



## LETTER FROM MR. MAYES, PRINCIPAL

Dear Manual/YPAS Families,

Do you remember when you applied to Manual? Do you remember the excitement of applying for the top school in the state of Kentucky? Do you remember thinking how by attending this school you would be separating yourself from the "the crowd" by selecting a school that would challenge you academically?

It's all about choices. It's that time of the year again where you have to decide about how far do I want to go? The classes you select will begin the journey toward your destiny. Choose to push yourself, test your limits and your abilities by selecting classes based on rigor and relevance not on the fact that one might be easier than the other.

Manual/ YPAS has an excellent educational program taught by a talented and dedicated faculty. Our school is committed to providing each student with an education in which rigor and relevance is the norm, creative thinking is encouraged, and ideas are critically analyzed and evaluated. High school is a special time. It is a time of academic and personal challenge as well as a time to make important decisions about future plans. One of our goals at Manual/YPAS is to serve and challenge all of our students. Carefully examine the course offerings listed inside this booklet. The courses you decide upon today will prepare you for opportunities tomorrow.

Manual/YPAS students benefit from the following:

- Each unique magnet offers a wide range of academic classes, including the largest number of Advanced Placement courses offered in the state, five foreign languages, and a variety of college preparatory electives.
- College enrollment during the day is possible for upperclassmen via the University of Louisville Crimson Scholars Program. In addition, students can take advantage of numerous dual credit offerings available through local universities and colleges.
- Manual/YPAS optimizes instructional time by following the "A/B" block schedule. This schedule offers four courses on "Red Day" and four different courses on "White Day" with classes meeting for 90 minutes. This allows instructors to delve further into material than the normal 55-minute block.

The opportunities available to the Manual/YPAS student are limitless. Students, I encourage you to meet with your parents and decide on courses that will challenge you both intellectually and socially. As always, our counselors will be available to answer any questions or concerns you may have during the process.

Go Crimson,  
Gerald Mayes  
Principal  
Manual/YPAS

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## **SCHEDULING INSTRUCTIONS**

This is a schedule booklet that has been developed to help you determine the best options in reaching your goals. It contains important information regarding the academic offerings at duPont Manual High School. This booklet will assist in creating the best possible learning plan for next school year. It is the goal of our school to provide each student with an opportunity to prepare for his/her further education, upon graduation from high school. Programs can be tailored to meet the needs and requests of each and every student. As you select and plan your high school career, pay close attention to high school graduation requirements as well as courses that most closely align with your magnet program, and career and personal interests. In addition to core courses, the school offers a wide variety of rich electives. These electives are open to all students, dependent upon any specific course prerequisites or what your individual schedule will accommodate. Read the guide thoroughly with your parents, and then create a schedule best suited for your interests and needs (remember to have alternates). Counselors, teachers, and administrators are available to answer all your questions and guide you.

1. Students and their parents must assume the responsibility for providing the school with a schedule designed to meet graduation requirements. If a schedule is not completed according to instructions and given to the counselor by the time and date established as a deadline, a schedule will be completed for you. This eliminates your choice of courses.
2. Students are responsible for meeting with their counselor and making up requirements previously failed.
3. All students are required to sign up for a full schedule (adjustments will be made later for UL courses or for student aides). Courses are based on one year's work (36 weeks) with a progress report at 6 and 12 weeks each semester. Students receive  $\frac{1}{2}$  credits for successful completion of a class each semester.
4. Current teachers of English, Math, Science, Social Studies, World Language and specialized electives will recommend appropriate courses and will sign your Student Course Request sheet where indicated. You must have your teacher's initials before submitting your request form.
5. Make sure you place an X and highlight eight (8) courses and then place an A1, A2, and an A3 for three alternate course choices. A parent/guardian must sign the Student Course Request sheet.

## HIGH SCHOOL GRADUATION REQUIREMENTS

In addition to the credit requirements, students must also meet the diploma requirements outlined in this section.

Content Area	Credits
<b>English</b> English I, II, III, IV. Language arts must be taken each year of high school.	4
<b>Mathematics</b> Each student will take a math course <b>every year</b> of high school and must successfully complete a 12 <sup>th</sup> grade math course. Students must have taken Algebra 1, Geometry, Algebra 2, and/or a more advanced math course.	3
<b>Science</b> Each required course shall incorporate lab-based, scientific investigation experiences and include the content strands of biological science, physical science, earth/space science & unifying concepts.	3
<b>Social Studies</b> The three course sequence must include geography, U.S. history, economics, government, geography or world civilizations (World History or European History).	3
<b>Health Education (.5)/Physical Education (.5)</b> Option: Students can also fulfill this requirement by taking Fundamentals of Dance (year-long course) at YPAS for their PE credit.	1
<b>History &amp; Appreciation of Visual &amp; Performing Arts</b> Students can also fulfill this requirement by completing 3-Visual Art courses, or 4-YPAS* courses in one concentration area. *SBDM is currently amending this policy – the number of YPAS courses may change for the 2016-17 school year.	1
<b>Electives</b> Electives must include the following: <ul style="list-style-type: none"> <li>▪ Academic/Career: A four-course sequence of electives connected to the student's academic or career interest goals.</li> <li>▪ World Language: Two credits are recommended.</li> <li>▪ Technology Competency: If a student did not demonstrate technology proficiency by the end of the 8<sup>th</sup> grade, they must demonstrate technology competence in one of the following ways:               <ul style="list-style-type: none"> <li>○ Any general computer course that includes the following: hardware, software, and digital literacy (Computer Applications); IC3 course; or MOS course.</li> <li>○ JCPS eSchool Technology Graduation Requirement course</li> <li>○ Test out (JCPS Online test)</li> </ul> </li> </ul>	7
<b>Total</b>	22

## Additional Graduation Requirements

### I. Transition Courses

If a student does not meet the college readiness benchmarks for English, reading, and/or mathematics as established by the Council of Postsecondary Education in 13 KAR 2:020, the student shall take the corresponding transitional course or intervention, which is monitored to address remediation needs before exiting high school. Monitoring involves an exit exam.

### II. Individual Learning Plan (ILP)

Each student shall complete an ILP that emphasize the following:

- Career exploration and plans
- Related postsecondary education options
- Educational needs, including courses that the student intends to take

## ACT BENCHMARKS

Students qualify for college readiness primarily by ACT sub scores. All students will take a state-mandated ACT in March of their junior year. Students may elect to take more ACT tests in an effort to improve their score. The ACT scores below qualify students for placement in credit bearing equivalent courses at Kentucky public colleges & universities. If a student does not meet the Kentucky ACT Benchmarks to be considered College & Career Ready, they will be placed in the Career Pathway course their junior year.

(ACT website: [www.actstudent.org](http://www.actstudent.org))

### KENTUCKY ACT BENCHMARKS

ACT Subject – Area	Score
English	18
Mathematics	19
Reading	20

The ACT College Readiness Benchmarks are the minimum ACT college readiness assessment scores required for students to have a high probability of success in credit-bearing college courses. The ACT Explore and ACT Plan are tests that gauge a student's progress in becoming ready for college. Please check with your school of choice for their college placement details.

ACT Subject – Area	ACT EXPLORE	ACT PLAN	ACT
English	13	15	18
Mathematics	17	19	22
Reading	26	18	22

# ACADEMIC STUDENT SUPPORT

## Extended School Services (ESS)

High school students are given the opportunity to receive ESS, as an intervention strategy throughout the year if students are attempting and failing a course that is needed for graduation. The intent of ESS instruction is to collaborate with the teacher and subject area goals of the regular classroom in which the student is having difficulty. The ESS program provides opportunities for the student to put learning in context to ensure that not only basic skills are acquired, but also comprehension is gained.

## Academic Learning Lab (Room 113)

Every student progresses in his/her learning and meets or exceeds proficiency in all subjects. The Academic Learning Lab offers academic support services to students in the form of group and/or individual tutoring through peer tutors. The lab aids students in becoming thoughtful, critical, and independent learners by offering assistance in mastering course content, developing and improving general study skills. The lab provides support tailored to each student's needs. The lab offers the following academic support programs: JCPS eSchool (credit recovery/initial credit); and Edgenuity (content support/credit recovery). The room has space for small groups to work on projects. Computers are available for research and additional school work. The lab helps reinforce positive learning habits.

## Academic Enrichment Program (AEMS)

This program focuses on ensuring that all students are college/career ready by graduation. Students will be chosen based on a standardized test results, and students not yet at the benchmark for reading and mathematics will be identified and invited to participate.

## Crimson Scholars Program

The University of Louisville offers qualified high school students the opportunity to earn college credit by attending classes on campus at the University. These students are called High School Visitors (HSV). Students enrolling in and completing a college course will obtain a college transcript. Students will be required to pay tuition (at a reduced fee).

More information at: <http://louisville.edu/admissions/apply/requirements/crimson-scholars-dual-credit-guide/view>

# COURSE LEVEL DESCRIPTIONS

<b>Comprehensive</b>	Comprehensive is designed for students wanting to earn a basic high school diploma.
<b>Honors Program (HNR)</b>	These are challenging, college preparatory courses designed for the college-bound student.
<b>Advance Program (ADV)</b>	This program is designed to provide accelerated instruction for academically gifted and talented students. The Mathematics, Science and Technology (MST) courses provide accelerated instruction.
<b>Dual Credit</b>	In dual credit courses, a student receives both high school and college credit at the same time.
<b>Advanced Placement (AP)</b>	The advanced placement courses provide the most rigorous curriculum at duPont Manual High School. AP Courses are developed and sanctioned by the College Board, requiring special teacher training and a prescribed and accelerated curriculum. Students enrolling in AP courses should be self-motivated, demonstrate strong reading and writing skills, and be willing to devote the time necessary for success.

# **CAREER PATHWAYS**

Students can complete a career major and receive a related industry certification/Kentucky Occupational Skills Standard Assessment (KOSSA) to be considered career ready. Students must complete four courses in one of the following career pathways and pass the KOSSA test.

<b>Career Pathway</b>	<b>Recommended Courses</b>
<b>Computer Science</b>	Digital Literacy Computational Thinking AP Computer Science Principles C++ (Robotics) AP Computer Science Special Topics in Computer Science
<b>Geographic Information Systems</b>	Digital Literacy Introduction to GIS GIS Software Tools and Applications (Not offered in 2016-17) Special Topics in GIS (Not offered in 2016-17)
<b>Web Development</b>	Digital Literacy Web Page Development Web Site Design and Production Computer Graphics (Not offered in 2016-17)
<b>Fashion &amp; Interior Design</b>	FACS Essentials (Life Skills) Fashion & Interior Design 1 Fashion & Interior Design 2 Special Topics in Fashion
<b>Consumer &amp; Family Management</b>	FACS Essentials (Life Skills) Relationship & Parenting Foods & Nutrition Computer Literacy

## ADVANCED PLACEMENT COURSES (32)

Typically a score of three or higher (on a scale of five) on the exam is considered “passing.” Many schools will grant college credit or placement for a passing score, check with your specific school for credit information. Exams are administered in May. A fee is associated with each exam taken. duPont Manual High School currently offers the following Advanced Placement courses:

Art History	Environmental Science	Physics – Part 2
Biology	European History	Physics C
Calculus AB	French Language	Psychology
Calculus BC	Comp. Government & Pol.	Spanish Language
Capstone: Research	U.S. Government & Pol.	Statistics
Capstone: Seminar	Human Geography	Studio Art 2-D
Chemistry	Latin Language Vergil	Studio Art 3-D
Computer Science - JAVA	Macroeconomics	Studio Art Drawing
Computer Science Principles	Microeconomics	United States History
English Language and Composition	Music Theory	World History
English Literature and Composition	Physics – Part 1	

### Learning What You Love In High School

As in so many situations, writing down your thoughts — just for yourself — is a good way to get started. Think about the things you love to do. Be specific about what it is you love about something and what your role is in it. Also, think about your personality and how you do things. Answer questions like these:

- Do I prefer to give a speech or write a speech?
- Would I rather be an actor or a director?
- Would I rather listen to music or play music?
- Do I plan out everything before I take on a project or dive right in?
- Am I outgoing or introspective?
- Would I rather think up something new or improve upon something that already exists?
- Do I prefer to be a leader or a team member?

Write down your answers and any other thoughts you have about your personality and interests. Then list the classes you’re taking now or have taken recently. Try to make connections between your notes about yourself and your classes. Which cover subjects or teach skills that relate to the things you love? Have any classes helped you recognize an interest you didn’t know you had? You can also list your talents. Are you good at math? Can you sing or act? Are you able to teach yourself computer languages? A list of your skills and talents may help you discover a career path. This list may also help you with choosing your high school classes.

# AP Capstone Curriculum

AP Capstone is an innovative diploma program that provides students with an opportunity to engage in rigorous scholarly practice of the core academic skills necessary for successful college completion. AP Capstone is built on the foundation of two courses — **AP Seminar** and **AP Research** — and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

Benefits:

- Fosters the **research**, argumentation, and communication skills that are at the core of college readiness and essential for lifelong learning
- Provides a setting to build on the knowledge and rigorous course work of AP in an **interdisciplinary** format
- Offers students a unique opportunity to **distinguish** themselves to colleges and universities

More information can be found at: <https://lp.collegeboard.org/ap-capstone>

## AP Capstone Curriculum

### AP Capstone Diploma™

Students who earn scores of 3 or higher in both of the AP Capstone courses and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™.

AP SEMINAR (Year 1)
Team Project & Presentation
Research-Based Essay & Presentation
End-of-Course Exam

  

AP RESEARCH (Year 2)
Research Process Documentation
Academic Thesis Paper
Presentation & Oral Defense

4 AP COURSES & EXAMS  
(Taken at any point throughout high school)

### AP Seminar and Research Certificate™

Students who earn scores of 3 or higher in both of the AP Capstone courses but not on the four additional AP Exams will receive the AP Seminar and Research Certificate™, signifying successful performance in those courses.

# HIGH SCHOOL CHECKLIST

## FRESHMAN YEAR

- ✓ Create a four year high school plan. Make sure you know what high school courses are required by colleges, and that you are on the right track. Map out when these courses should be taken. Familiarize yourself with the various levels of courses offered.
- ✓ Start thinking about careers. Identify interests – not just in academics but in all areas. This will help you focus on goals. Discuss career options with others, such as parents, counselor, teachers, recent college graduates who are working, professionals in the community, etc.
- ✓ Actively take part in an extracurricular activity (sport, school club, music or drama group, community volunteer activity). Remember that colleges would rather see real involvement in one activity than a loose connection to several activities.
- ✓ Meet your school counselor. Save for college.
- ✓ Summer enrichment.

## SOPHOMORE YEAR

- ✓ Meet with your school counselor again.
- ✓ Prepare for the PSAT and ACT PLAN. After taking these tests your sophomore year, you can then work on any disclosed academic weaknesses while there is still ample time to improve them.
- ✓ Attend college and career fairs
- ✓ Actively participate in a school activity or volunteer effort. These activities help students develop time-management skills and enrich their school experience.
- ✓ Tour college campuses. Even if there is no interest in attending the college you are visiting, it will help you learn what to look for in a college.
- ✓ Summer enrichment.

## JUNIOR YEAR

- ✓ Make lists of your abilities, social/cultural preferences, and personal qualities. List things you may want to study and do in college.
- ✓ Learn about colleges. Talk to friends, family, teachers, and recent grads now in college. List College features that interest you.
- ✓ Visit the counseling office or website to find out when college representatives will be visiting. Examine catalogs and guides in the College & Career Room.
- ✓ Make a file to manage your college search, testing, and application data. Start SAT and/or ACT test prep.
- ✓ Take college visits and attend college fairs.
- ✓ Begin a search for financial aid sources.
- ✓ Develop a list of 15 or 20 colleges that attract you. Look at their website for information about financial aid and academic programs that interest you. Check application dates – large universities may have early dates or rolling admissions.
- ✓ If you are an athlete planning to continue playing a sport in college, register with the NCAA Eligibility Center ([www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net)).
- ✓ Find a full-time or part-time job, or participate in a camp or summer college program.
- ✓ Create a résumé – a record of accomplishments, activities, and work experiences since you started high school.

## SENIOR YEAR

- ✓ Narrow your list of colleges to 5 to 10. Meet with your counselor about them and, if you've not yet done so, download college applications and financial aid forms. Plan to visit as many of these colleges as possible.
- ✓ Create a master list or calendar that includes: tests, college application due dates, financial aid forms/scholarship deadlines, and Manual's application processing deadlines.
- ✓ Ask for the counselor and /or teacher recommendations if you need them. Give counselors and teachers the proper forms at least two weeks before colleges require them.
- ✓ If you are submitting essays, write first drafts and have someone read them. If you have not had your test scores sent to the college to which you are applying, be sure to contact the College Board or ACT to have them sent.
- ✓ If you apply to colleges online, be sure to have your high school transcript sent – it goes to colleges separately.
- ✓ Keep active in school. If you are wait-listed, the college will want to know what you have accomplished between the time you applied and learned of its decision.
- ✓ You should receive acceptance letters and financial aid offers by mid-April. Colleges cannot require a deposit or commitment to attend before May 1.
- ✓ By that postmarked date, you must inform every college of your acceptance or rejection of the offer of admission and/or financial aid. (Questions? Talk to your counselor)

# JCPS ADVANCE PROGRAM

For those students who qualify through JCPS, the Advance Program offers the opportunity to follow a stimulating curriculum designed for the academically gifted. A minimum of 12 credits must be earned in Advance Program classes in at least three of the following areas- English, Math, Science, Social Studies, and World Language. Advanced Humanities is also required for the Advance Program. Advanced Placement classes also satisfy this requirement. A cumulative GPA of 3.0 (B) is required to remain in the program. Students must also fulfill all of the diploma requirements. Students need to take 3-years of the same world language, or two years of two different world languages. \*Note: Only a total of 12 advanced credits are REQUIRED.

Content Area	# of Credits	Typical Advanced Program Courses Taken to Fulfill Requirement*
English	4	ADV English 1, 2, 3, 4 AP English Language and Composition AP English Literature and Composition
Math	3	ADV Geometry, MST Geometry ADV Algebra 2, MST Algebra 2 ADV Precalculus, MST Precalculus AP Calculus AB or AP Calculus BC
Science	3	ADV Integrated Science, MST Integrated Science ADV Biology, MST Biology, AP Biology ADV Chemistry, MST Chemistry ADV Physics, AP Physics
Social Studies	3	AP Human Geography ADV World Civilization, AP World History, or AP Euro History ADV U.S. History or AP U.S. History AP Macro or Micro Economics AP Government & Politics
World Language	3	ADV Spanish 1, 2, 3, 4, and AP Spanish Language ADV French 1, 2, 3, 4, and AP French Language ADV German 1, 2, 3, 4 ADV Latin 1, 2, 3, 4, and AP Latin Vergil
Humanities	1	ADV History Arts ADV Spanish Humanities AP Art History 3-VA courses 4-YPAS* courses in one area (*SBDM is currently amending this policy – the number of YPAS courses may change for the 2016-17 school year.
Health/PE	1	Health (1/2 credit) Physical Education (1/2 credit) or Fundamentals of Dance (1 credit)
Electives	4	Varies
<b>TOTAL*</b>	<b>22</b>	

# **HIGH SCHOOL GRADING SYSTEM**

Score	Standard Score
A	90 – 100%
B	80 – 89%
C	75 – 79%
D	70 – 74%
U	Below 70%

Score	College Scale*
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
U	Below 60%

\*College-credit courses (Advanced Placement courses follow the college grading scale as listed above if approved by the superintendent/designee.

Both the weighted and unweighted GPA's will appear on the official transcript. JCPS does not individually rank senior students in each school. Schools are encouraged to identify ranking by percentile for colleges and universities (e.g. top 10%). Any student earning a weighted cumulative high school GPA of 4.0 or greater qualifies for Valedictorian.

## **GRADE REPORTING**

A 6-week Progress Report and a 12-week Progress Report are distributed during each semester. For our school, the 12-week Progress Report is not a separate grade from the 6-week Progress Report; it is a cumulative report of all work completed during the 12-week period. A final semester grade is a cumulative report of student progress for the half credit earned during the 18-week period and is record on the student's high school VISI (permanent) Record. If a student is exhibiting unsatisfactory performance or is experiencing changes in performance, parents/guardians must be notified by the teacher in a timely manner prior to distribution of the progress report or report card.

# KEES Scholarship Information – Get Paid for Good Grades!

The Kentucky Higher Education Assistance Authority (KHEAA) administers the Kentucky Educational Excellence Scholarship (KEES). KEES awards those students with an annual GPA of 2.5 or higher according to the table below. A bonus award is given to students earning KEES money for their highest ACT score.



## Earn money for your grades

During high school, you can earn money for college through the state's Kentucky Educational Excellence Scholarship (KEES) program. After each year of high school, KHEAA will notify you if you have earned a KEES award.

KHEAA will also post KEES awards online at the end of each school year. You will have to create a user ID and password to look at your data at [khea.com](http://khea.com) for the first time. If you don't find a record or if your data is incorrect, tell your school counselor.

You may qualify for KEES if you earn a 2.5 GPA or better at the end of a high school year. If you have a composite score of at least a 15 on the ACT or 710 on the SAT and have earned at least one award based on your GPA, you can also earn a bonus award. Bonus awards range from \$36 to \$500.

Students who graduate after three full years in a certified Kentucky high school will earn a KEES Early Graduate award to make up for the missing fourth year. The award amount is averaged from your previous three years of KEES earnings and will be added to your total scholarship.

You don't have to apply for your KEES award. It will be sent to your college when the school reports that you are enrolled. KEES awards are funded by Kentucky Lottery proceeds. For more information, see the KEES Frequently Asked Questions section on [khea.com](http://khea.com), call 800.928.8926, ext. 7395, or write [kees@khea.com](mailto:kees@khea.com).

### All Public High School Students

#### KEES Award Amounts

GPA	Bonus Amount	ACT Score	Bonus Amount
4.00	\$500	28 or above	\$500
3.90	\$475	27	\$464
3.80	\$450	26	\$428
3.75	\$437	25	\$393
3.70	\$425	24	\$357
3.60	\$400	23	\$321
3.50	\$375	22	\$286
3.40	\$350	21	\$250
3.30	\$325	20	\$214
3.25	\$312	19	\$179
3.20	\$300	18	\$143
3.10	\$275	17	\$107
3.00	\$250	16	\$71
2.90	\$225	15	\$36
2.80	\$200		
2.75	\$187		
2.70	\$175		
2.60	\$150		
2.50	\$125		

Amounts may  
change based on  
funding.

### Scholarship Websites

[www.fastweb.com](http://www.fastweb.com)

[www.scholarshiphelp.com](http://www.scholarshiphelp.com)

[www.finaid.org](http://www.finaid.org)

[www.studentscholarshipsearch.com](http://www.studentscholarshipsearch.com)

[www.khea.com](http://www.khea.com)

[www.findtuition.com](http://www.findtuition.com)

[www.collegenet.com](http://www.collegenet.com)

[www.scholarships.uncf.org](http://www.scholarships.uncf.org)

[www.collegeboard.com](http://www.collegeboard.com) (Big Future)

[www.scholarshipexperts.com](http://www.scholarshipexperts.com)



## NCAA Eligibility Requirements

Every college-bound student-athlete who is attending a NCAA Division I or II institution for the first time must be certified by the NCAA Eligibility Center. To view the latest rules and to register, go to [www.eligibilitycenter.org](http://www.eligibilitycenter.org) and click on the prospective Student Athletes link. To determine eligibility, the NCAA looks at your grades from your core classes and your test scores. See the web site for the latest requirements.

- $4 \times 4 = 16$ 
  - +4 – English courses (one per year)
  - +4 - Math course (one per year)
  - +4 – Science Course (one per year)
  - +4 - Social Science (and/or additional) courses (one per year)
- Grade Point Average: The NCAA Eligibility Center calculates your grade point average (GPA) based on the grades you earn in NCAA-approved core courses.
- Test Scores: You may take the ACT or SAT, but remember to list the NCAA Eligibility Center (#9999) as a score recipient whenever you take a test.

Division I	Division II
<ol style="list-style-type: none"><li>1. Complete 16 NCAA core courses<ul style="list-style-type: none"><li>▪ 4 years of English</li><li>▪ 3 years of Math</li><li>▪ 2 years of Natural/Physical Science</li><li>▪ 2 years of Social Science</li><li>▪ 1 additional year of English, math, or natural/physical science</li><li>▪ 4 additional years of English, math, natural/physical science, social science, or foreign language</li></ul></li><li>2. Complete 10 core course, including seven in English, math, or natural/physical science before the start of your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses for GPA improvement.</li><li>3. Earn at least a 2.3 GPA in your core courses</li><li>4. Earn an SAT combined score or ACT sum score that matches your core course GPA on Division I sliding-scale for students enrolling on or after August 1, 2016.</li></ol>	<p>Before August 1, 2018</p> <ol style="list-style-type: none"><li>1. Complete 16 high school core courses.</li><li>2. Earn at least a 2.0 GPA in your high school core courses.</li><li>3. Earn a combined SAT score of 820 or ACT sum score of 68.</li></ol> <p>After August 1, 2018</p> <ol style="list-style-type: none"><li>1. Complete 16 NCAA core courses</li><li>2. Earn at least a 2.2 GPA in your high school core courses.</li><li>3. Earn the SAT or ACT score that matches your core course GPA on the Division II sliding scale.<ul style="list-style-type: none"><li>▪ 3 years of English</li><li>▪ 2 years of Math</li><li>▪ 2 years of Natural/Physical Science</li><li>▪ 2 years of Social Science</li><li>▪ 3 additional year of English, math, or natural/physical science</li><li>▪ 4 additional years of English, math, natural/physical science, social science, or foreign language</li></ul></li></ol>

# **HIGH SCHOOL UNIVERSITY**

## **(Class of 2017 & 2018)**

The High School University (HSU) Magnet Program will provide rigorous liberal arts centered experience, which will allow students to explore various disciplines. The HSU program is designed to provide a strong preparatory curriculum for academically talented students who are motivated to prepare for their future. Purposeful flexibility in the students' elective-course time provides students with the opportunity to attend the University of Louisville classes and to meet the goals outlined in the Individual Learning Plan (ILP).

### **FRESHMAN YEAR**

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 1 or 2)
- HNR Geography or AP Human Geography
- Study Skills or Elective
- Elective

### **SOPHOMORE YEAR**

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 1, 2, or 3)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Study Skills or Elective
- Elective
- Elective

**JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 2, 3, or 4)
- U.S. History (HNR, ADV, or AP)
- Study Skills or Elective
- Elective
- Elective

**SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- History Arts\* (Regular, ADV, or Spanish), or AP Art History
- Study Skills or Elective
- Elective
- Elective
- Elective
- Elective

\*Students can also fulfill their History Arts requirement by completing three Visual Art courses or four YPAS courses in one concentration area (SBDM is currently amending this policy – the number of YPAS courses may change for the 2016-17 school year).

**Notes for HSU Students:**

1. Students will complete three (3) credits in one language other than English. Four (4) credits are highly recommended.
2. Students will complete one (1) credit in technology fluency. This requirement may be met by the Computer Applications course. Students who pass an industry certified technology test prior to taking the class may substitute a more advanced course.
3. Students will demonstrate that they are ready for intensive post-secondary study by successfully completing a total of four (4) credits of Advanced Placement (AP) or dual credit. If student circumstances dictate that a student is unable to complete the four (4) AP course requirements, then students may select an opt-out option. The student must still complete one (1) AP/Dual Credit course and then will demonstrate that they are academic and/or career ready by completing a career pathway approved by parents/guardians and the counselor.

# **HIGH SCHOOL UNIVERSITY (Class of 2019 & 2020)**

The High School University (HSU) Magnet Program will provide rigorous liberal arts centered experience, which will allow students to explore various disciplines. The HSU program is designed to provide a strong preparatory curriculum for academically talented students who are motivated to prepare for their future. Purposeful flexibility in the students' elective-course time provides students with the opportunity to attend the University of Louisville classes and to meet the goals outlined in the Individual Learning Plan (ILP).

## **FRESHMAN YEAR**

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 1 or 2)
- HNR Geography or AP Human Geography
- Study Skills or Elective
- Elective

## **SOPHOMORE YEAR**

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV - Level 1, 2, or 3)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Study Skills or Elective
- Elective
- Elective

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 2, 3, or 4)
- U.S. History (HNR, ADV, or AP)
- Elective (Major area class)**
- Elective (Major area class)**
- Study Skills or Elective

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- History Arts\* (Regular, ADV, or Spanish), or AP Art History
- Elective (Major area class)**
- Elective (Major area class)**
- Study Skills or Elective
- Elective
- Elective

\*Students can also fulfill their History Arts requirement by completing three Visual Art courses or four YPAS courses in one concentration area (SBDM is currently amending this policy – the number of YPAS courses may change for the 2016-17 school year). Limitless opportunities: Students may propose their own major crafted specifically to lay the foundation for future advanced post-secondary coursework if one of the existing major does not meet their needs.

#### **Notes for HSU Students:**

1. Complete 4 courses in a declared major. HSU students are encouraged to consider their future university studies.
2. Students must complete a minimum of three Advanced Placement (AP) and/or Dual Credit courses.
3. Students must complete at least three credits in one language other than English.
4. It is highly recommended that HSU students meet the following criteria:
  - a. Take four courses in each core area (math and English require four years, but students should also consider four courses in science and social studies)
  - b. Complete a technology course
  - c. Maximize their opportunities to take Advanced Placement and Dual Credit courses.

**High School University Scholar:** Students will be designated as HSU Scholar if they meet the following criteria:

1. Complete a minimum of four courses in each of the four core areas (English, math, science, & social studies)
2. Pass (both the class and the exam) for a minimum of four Advanced Placement classes
3. Maintain at least a 3.75 (unweighted) GPA.

## High School University Majors (Class of 2019 & 2020) – HSU is all about U!

Students must declare a major by the end of their sophomore year. Students must complete four elective courses in their area of interest. Students are encouraged to take AP Seminar to explore their area of interest. HSU majors are designed to lay a strong foundation for advanced studies at the university level.

### World Studies

Language level 4 and above (AP Latin, AP French, AP Spanish, Spanish Humanities)
Classes in 2 different world languages (i.e. student fulfills requirements in Spanish and then also takes a French class)
AP Comparative Government & Politics
AP World History
AP European History
AP Human Geography
Holocaust
Military History (Global Issues)
AP Seminar
AP Research
Courses in world language, peace studies, political science, anthropology, Asian Studies, or history at the University of Louisville.*

### Web Design

Web Page Development
Web Page Design
Digital Literacy
Computer Graphics (not offered in 2016/17)
AP Seminar
AP Research
AP Computer Science Principles
AP Computer Science: JAVA
Courses in computer science at the University of Louisville.*

### Fashion Merchandising and Interior Design

FACS Essentials (Life Skills)
Fashion & Interior Design 1
Fashion & Interior Design 2
AP Microeconomics
Economics
Visual Art 1
Folk Art & Crafts
Special Topics in Fashion Merchandising

### Life and Consumer Science

FACS Essentials (Life Skills)
Relationship & Parenting
Foods & Nutrition
ADV Foods & Nutrition
Digital Literacy
Economics

### Social Sciences

Statistics (Honors or AP)
AP Psychology
AP Macroeconomics or Economics
AP Microeconomics
AP Seminar
AP Research
Courses in psychology, sociology, economics, or statistics at the University of Louisville.*

<b>American Studies</b>
AP U.S. Government and Politics
African American History
Government and Politics (Political Science)
AP Seminar
AP Research
Courses in history, Latin American and Latino Studies, or pan-African Studies at the University of Louisville.*

<b>Humanities</b>
Completion of three (3) Visual Art courses
Completion of three (3) YPAS courses
AP Art History
Great Books
Photography 1 and 2
Creative Writing
Music Theory (regular or AP)
AP Seminar
AP Research
Courses in music, art, philosophy or literature at the University of Louisville.*

<b>Biopsychosocial Sciences</b>
Anatomy & Physiology (Honors or Advance)
AP Biology
AP Psychology
Foundations of Sports & Exercise
AP Seminar
AP Research
AP Environmental Science
Introduction to GIS
Courses in biology, exercise science, or sports administration at the University of Louisville.*

<b>Life Sciences</b>
Anatomy & Physiology (Honors or Advance)
AP Biology
AP Psychology
AP Chemistry
ADV Chemistry 2
AP Environmental Science
AP Seminar
AP Research
Introduction to GIS
Courses in chemistry, biology, or environmental science at the University of Louisville.*

<b>Information Technology</b>
AP Computer Science Principles
Programming (Introduction to Computer Science)
AP Computer Science: JAVA
Web Page Development
Web Site Design
Special Topics in Computer Science
Graphic Design
AP Seminar
AP Research
Introduction to GIS
Robotics (C++)
Courses in computer science at the University of Louisville.*

\*Subject to admission requirements at the University of Louisville. Tuition required.

# JOURNALISM & COMMUNICATION

The Journalism & Communication (J&C) Magnet is a unique, award-winning program for students interested in journalism, broadcasting, photography, graphic design, public relations, and advertising. Students sometimes pursue careers in media, education, business, politics, law, and other areas in which communication plays a vital role. This nationally award-winning four-year program allows students to take intensive journalism electives along with the traditional rigorous course content that Manual offers, including AP courses and other electives. The courses listed below indicate the courses that are required for a student to complete the J&C Academic Program.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education
- World Language (Spanish, French, German, or Latin–HNR or ADV–Level 1 or 2), or HNR Geography or AP Human Geography\*\*
- Journalism I: Introduction to Journalism & Communication (#42313111)**
- Digital Design (Listed as Eng Graphic Arts/#42338011)**
- Study Skills or Elective

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV - Level 1, 2, or 3)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Journalism 2: Journalistic Writing (#42323111)**
- J&C Elective \***
- Elective or Study Skills

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 2, 3, or 4)
- U.S. History (HNR, ADV, or AP)
- J&C Elective\***
- J&C Elective\***
- Study Skills or Elective

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- History Arts\*\*\* (Regular, ADV, or Spanish), or AP Art History
- Social Studies\*\* (Economics or Government – HNR, ADV, or AP)
- J&C Elective\***
- J&C Elective\***
- Study Skills or Elective
- Elective

\*J&C Electives include (see course descriptions for prerequisites and availability):

Broadcast Journalism 1 (produces “Manual AM” and listed as Broadcast Journalism 3 - #42331411), Broadcast 2 (produces “Manual AM” and listed as Broadcast Journalism 4 - #42341411), Multimedia (, produces Manualredeye.com and listed as Writing Comp/Desktop Publishing - #4237111), Newspaper (listed as Journalism 3 - #42333111), Oral Communication/Debate (#42351311), Photojournalism (#42350511), Yearbook (#42320711); Editorial Leadership (listed as Journalism 4 - #42343111), Media Internship (listed as Eng Intern Senior Sem #42333911), Web Page Development, Creative Writing, Film Studies (English Special Topics), and Statistics.

\*\*Students may take Economics or Government during their senior year instead.

\*\*\*Students can also fulfill their Humanities requirement by completing three Visual Art courses OR four YPAS courses in one concentration area (SBDM is currently amending this policy – the number of YPAS courses may change for the 2016-17 school year).

# **MATHEMATICS, SCIENCE, & TECHNOLOGY**

Mathematics, Science, and Technology (MST) follows a research-based curriculum for gifted students. The MST Program is designed to provide a rigorous curriculum that prepares students to be successful in any academic program (especially engineering, science, or math programs) at any college in the country. The biology, chemistry, and physics laboratories are computer-enhanced and contain specialized equipment that allows advanced studies in the life sciences, biotechnology, microbiology, optics, modern physics, robotics, computer programming, electronics, and computer-assisted design. MST students complete college-level research, mentored by university scientists and engineers. The courses listed below indicate the courses that are required for a student to complete the Math Science Technology Academic Program. This worksheet is the basis for developing a four year plan. Each student should complete a four year plan.

## **FRESHMAN YEAR**

- English 1 (HNR or ADV)
- MST Geometry/Trig (#42720391)**
- MST Integrated Science (#44010991)**
- AP Computer Science Principles**
- Health/Physical Education
- World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2)
- HNR Geography or AP Human Geography
- Study Skills or Elective

## **SOPHOMORE YEAR**

- English 2 (HNR, ADV, or AP Seminar)
- MST Algebra 2 (#42730391)**
- MST Chemistry (#44230991)**
- Programming 1 (Introduction to Comp. Science - #45639641)**
- World Language (Spanish, French, German, or Latin – HNR or ADV - Level 1, 2, or 3)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Study Skills or Elective
- Elective

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- MST Precalculus (#42740391)**
- MST Biology (#44120991)**
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 2, 3, or 4)
- U.S. History (HNR, ADV, or AP)
- Study Skills or Elective
- Elective
- Elective

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- AP Calculus BC (#42750461)**
- Physics**
- History Arts\* (Regular, ADV, or Spanish), or AP Art History
- Study Skills or Elective
- Elective
- Elective
- Elective

#### Important Notes for all MST Students:

1. AP Environmental Science, AP Chemistry, and/or AP Biology are electives for 11th or 12<sup>th</sup> grade.
2. Students must take a minimum of 2 Technology courses. AP Statistics is available as a math elective beginning in the 10th grade.
3. (Class of 2019 & beyond): All MST students will need to choose four (4) MST-related electives by graduation.

\*Students can also fulfill their Humanities requirement by completing three Visual Art courses OR four YPAS courses in one concentration area (SBDM is currently amending this policy – the number of YPAS courses may change for the 2016-17 school year).

# Visual Arts

Visual Arts (VA) is a unique program that provides artistically talented students with the opportunity to work in an exhibition gallery and nine professionally equipped studio areas. Facilities for design, drawing/painting, computer graphics, ceramics/sculpture, textiles, photography, drafting, and printmaking provide an excellent and diverse environment for outstanding experiences and instruction. Students experience visiting artists, teacher mentoring, and community internships. The courses listed below indicate the selection, sequence, and specific course numbers required for a student to complete the Visual Art Academic Program. This worksheet is the basis for developing a four year plan. Each student should complete a four-year plan with their parents.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education
- World Language (Spanish, French, German, or Latin–HNR or ADV–Level 1 or 2)
  - or -
  - HNR Geography or AP Human Geography\*
- Basic Design (#48112111)**
- Drawing/Painting 1 (#48112211)**
- Study Skills or Elective

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV - Level 1, 2, or 3)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Drawing/Painting 2 (#48122211)**
- Ceramics and Sculpture (#48122411)**
- Study Skills or Elective

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV – Level 2, 3, or 4)
- U.S. History (HNR, ADV, or AP)
- Studio Art 3 (Textiles/Printmaking - #48130211)**
- Drawing 3 (#48132211) or AP Drawing (#48144261)**
- Study Skills or Elective

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Social Studies\* (Economics or Government – HNR, ADV, or AP)
- Painting 3 (#48132111) or AP 2-D Design (#48144361)**
- Textiles (#48142511) or Printmaking 2 (#48142111), or AP 3-D (#48144461)**
- VA Art Elective\*\***
- Study Skills or Elective
- Elective

\*Students may take Economics or Government during their senior year.

\*\*Senior VA Required Elective Choices: (see course descriptions for prerequisites) – Textiles (#48142511), Printmaking 2 (#48142111), AP 3-D Design (#4814461), Photography 1 (#48120311), Photography 2 (#48130311), Computer Art/Graphic Design (#48132711), AP Art History (#48050961), or 3-D Art (#48122511).

NOTE 1: Students that have three years of the Arts have acquired a Specialization in the Visual Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.

## **YPAS COURSES OPEN TO MANUAL STUDENTS (NON-MAJOR)**

### **DANCE**

**Fundamentals of Dance I (48418911):** No prerequisite – one year of FOD fulfills the requirements for physical education graduation requirement.

**Total Body Conditioning/Fundamentals of Dance II (48429211):** Prerequisite – FOD 1

**Advanced Dance Techniques (48439011):** Prerequisite – FOD I or FOD II, teacher approval, audition

**Beginning Tap Dance I (48429111):** Prerequisite: - None (student must supply their own dance clothes and tap shoes)

**Intermediate Tap Dance II (48439111):** Prerequisite – Tap Dance I or teacher approval (student must supply their own dance clothes and tap shoes)

**Advanced Tap Dance III (48449111):** Prerequisite – Tap Dance I, Tap Dance II, or teacher approval (student must supply their own dance clothes and tap shoes)

### **INSTRUMENTAL MUSIC - BAND**

**Intermediate Band Skills Development (48310111):** Prerequisite – Audition

**Percussion Ensemble I, II, III, IV (48310311, etc.):** Prerequisite – Audition

**Chamber Ensemble I, II, III, IV (48310211, etc.):** Prerequisite – Audition

**Symphonic Band I, II, III, IV (48310411, etc.):** Prerequisite – Audition

**Wind Ensemble I, II, III, IV (48310511, etc.):** Prerequisite – Audition

**Jazz Improvisation I, II, III, IV (48320711, etc.):** Prerequisite – Teacher Approval

**Jazz Ensemble I, II, III, IV (48310611, etc.):** Prerequisite – Audition

**Marching Band/Pep Band I, II, III, IV (48310811, etc.):** Class meets after school during fall semester – receives .5 credits

### **INSTRUMENTAL MUSIC - ORCHESTRA**

**String Techniques I, II, III, IV (48311111, etc.):** Prerequisite – Audition

**Manual Concert Orchestra I, II, III, IV (48313311, etc.):** Prerequisite – Audition

**YPAS Philharmonia Orchestra I, II, III, IV (48311411, etc.):** Prerequisite – Audition

**YPAS Chamber String Orchestra I, II, III, IV (48311311, etc.):** Prerequisite – Audition

### **INSTRUMENTAL MUSIC – GUITAR**

**Guitar 1** Prerequisite: Audition

**Guitar 2** Prerequisite – Audition

**Guitar 3** Prerequisite – Audition

**Guitar 4** Prerequisite - Audition

### **INSTRUMENTAL MUSIC - PIANO**

**Piano Keyboard I (48314011):** Class is limited to 14 students – preference given to YPAS non-piano college music majors. Prerequisite – None

**Intermediate Piano I, II, III, IV (48315611, etc.):** Class is limited to 18 students – preference given to YPAS non-piano college music majors. Prerequisite – Audition

**Applied Piano I, II, III, IV (48316211, etc.):** Prerequisite – Audition

### **MUSICAL THEATRE**

**Musical Theater Laboratory II, III, IV (48521511, etc.):** Prerequisite – Audition: some training in either dance, vocal or instrumental music, and/or acting are encouraged.

**American Musical Theater II, III, IV (48521011, etc.):** Prerequisite – Audition or the preparatory Musical Theater Laboratory

### **THEATRE**

**Exploring Theater (48512211):** Prerequisite – None

**Fundamentals of Directing/Stage Production II, III, IV (48522511, etc.):** Prerequisite – Teacher Approval

**Playwriting I, II, III (48521211, etc.):** Prerequisite – Teacher Approval

### **VOCAL MUSIC (All prerequisite – Audition)**

**Vocal Development (48312111)**

**Ladies Ensemble I, II, III, IV (48312311, etc.)**

**Gentlemen's Ensemble I, II, III, IV (48312311, etc.)**

**Chamber Choir I, II, III, IV (48312411, etc.)**

**Concert Choir I, II, III, IV (48322511, etc.)**

### **MUSIC THEORY**

**Music Theory I (48347111):** Prerequisite – None – class is limited to 14 students

**AP Music Theory II (48357161):** Prerequisite – Music Theory I or Teacher Approval if you demonstrate equivalent skills.

# YPAS – INSTRUMENTAL MUSIC - BAND

The courses listed below are required for a student to complete the YPAS Instrumental Music - Band Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education or Fundamentals of Dance/Health
- HNR Geography or AP Human Geography\*
- Intermediate Band (brass/woodwind), Percussion Ensemble 1 (percussion)**
- Symphonic Band 1 (brass/woodwind/percussion), Wind Ensemble 1 (director approval)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, or Study Skills

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Symphonic Band 2, Percussion Ensemble 2 (percussion only)**
- Wind Ensemble 2, Chamber Ensemble 2, Percussion Ensemble 2 (percussion only)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1, 2 or 3)
- Elective: Study Skills

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Symphonic Band 3, Percussion Ensemble 3 (percussion only)**
- Wind Ensemble 3, Chamber Ensemble 3, Percussion Ensemble 3 (percussion only)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2, 3, or 4)
- Elective: Study Skills

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Symphonic Band 4, Percussion Ensemble 4 (percussion only)**
- Wind Ensemble 4, Percussion Ensemble 4 (percussion only)**
- Elective: Study Skills
- Elective
- Elective
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

#### Notes:

1. Students that have four years of Band have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. Placement in the Wind Ensemble must be approved by the band director. For percussion majors, the appropriate band ensemble will be determined by the band director.

# **YPAS – DANCE**

The courses listed below are required for a student to complete the YPAS Dance Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

## **FRESHMAN YEAR**

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- HNR Geography or AP Human Geography\*
- Ballet 1**
- Modern/Jazz 1**
- Elective: Dance Majors are not required to take PE, Health may be delayed until senior year
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, -- or – Study Skills

## **SOPHOMORE YEAR**

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Modern Jazz 2**
- Ballet 2**
- Dance Ensemble 2 (required for all sophomores)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1, 2 or 3)

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Modern Jazz 3**
- Ballet 3**
- Elective: Dance Ensemble 3\*\*\* (performance track) or Study Skills**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2, 3, or 4)

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Modern Jazz 4**
- Ballet 4**
- Elective: Dance Ensemble 4 \*\*\* (performance track)**
- Elective: Health/Student Aide
- Elective: Social Studies (if not taken freshman year), or Study Skills
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

#### Notes:

1. Students that have four years of Dance have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. Dance Ensemble is required for students starting in the sophomore year. Students and parents are encouraged to consult with the teachers in the dance department to explore the options available in the Dance Performance Track and the Dance Major Track. There will be a re-evaluation process at the end of each school year to determine placement and appropriate tracks that match individual student abilities and interests. Scheduling for the Dance Ensemble is by audition only and occurs during the freshman year. For more detailed information, please refer to the Dance Department Handbook online at <http://www.ypasdance.com/uploads/2/4/6/9/24696943/new-dance-handbook-2013-14-final.pdf>

# YPAS - DESIGN AND PRODUCTION

The courses listed below are required for a student to complete the YPAS Design and Production Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education or Fundamentals of Dance/Health
- HNR Geography or AP Human Geography\*
- Design & Production 1 and Stagecraft 1 (after school lab)**
- Design & Production 1 and Stagecraft 1 (after school lab)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, or – Study Skills is required for all D&P Majors.

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Design & Production 2 and Stagecraft 2 (after school lab)**
- Design & Production 2 and Stagecraft 2 (after school lab)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1, 2 or 3)
- Elective: Study Skills

**JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Design & Production 3 and Stagecraft 3 (after school lab)**
- Design & Production 3 and Stagecraft 3 (after school lab)**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2, 3, or 4)
- Elective: Study Skills

**SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Design & Production 4 and Stagecraft 4 (after school lab)**
- Design & Production 4 and Stagecraft 4 (after school lab)**
- Elective: Study Skills
- Elective
- Elective
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

Note: Students that have four years of Design and Production have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.

# YPAS – MUSICAL THEATRE

The courses listed below are required for a student to complete the YPAS Musical Theatre Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- HNR Geography or AP Human Geography\*
- World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2)
- Fundamentals of Dance for MT Majors (fulfills Physical Education graduation requirement)**
- Vocal Development for MT Majors**
- Exploring Theatre for MT Majors**

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- World Language (Spanish, French, German, or Latin – HNR or ADV Level 2 or 3)
- Musical Theatre Lab**
- Advanced Dance Techniques 1**
- Concert Choir 2, Chamber Choir 2, Men's/Ladies Ensemble 2 (audition)**

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- World Language (Spanish, French, German, or Latin – HNR or ADV Level 3, or 4) – or - U.S. History (HNR, ADV, or AP)
- American Musical Theater 3 (Voice and Music Theory)**
- American Musical Theater 3 (Theatre and Dance)**
- Concert Choir 3, Chamber Choir 3, Men's/Ladies Ensemble 3 (audition)**
- Beginning Tap 1**

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- U.S. History or elective if taken the junior year
- American Musical Theater 4 (Advanced Acting)**
- American Musical Theater 4 (Voice and Dance)**
- Either Concert Choir 4, Chamber Choir 4, Men's Ensemble 4, or Ladies Ensemble 4 (audition) Possibility of no vocal, depending on faculty recommendation – or – Advanced Dance Techniques 2**
- Health and Student Assistant \*\*\*
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

#### Notes:

1. Students that have four years of Musical Theatre have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. During the senior year the student may elect to take Health through Summer School, eSchool or Independent Study opening that class period to take Advanced Tap Dance 3.

## **YPAS – INSTRUMENTAL MUSIC - ORCHESTRA**

The courses listed below are required for a student to complete the YPAS Instrumental Music - Orchestra Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

### **FRESHMAN YEAR**

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education or Fundamentals of Dance/Health
- HNR Geography or AP Human Geography\*
- String Techniques**
- Philharmonia Orchestra 1, Manual Concert Orchestra 1**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, -- or – Study Skills

### **SOPHOMORE YEAR**

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Philharmonia Sectional 2 (Chamber Strings 2)**
- Philharmonia Orchestra 2, Manual Concert Orchestra 2**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1, 2 or 3)
- Elective: Study Skills

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Philharmonia Sectional 3 (Chamber Strings 3)**
- Philharmonia Orchestra 3, Manual Concert Orchestra 3**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2, 3, or 4)
- Elective: Study Skills

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Philharmonia Sectional 4 (Chamber Strings 4)**
- Philharmonia Orchestra 4, Manual Concert Orchestra 4**
- Elective: Study Skills
- Elective
- Elective
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

#### Notes:

1. Students that have four years of Orchestra have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. Depending on the level of technical and musical maturity, students may be placed in the Manual Concert Orchestra instead of the YPAS Philharmonia Orchestra. Placement is determined by the Orchestra Director.

# YPAS – INSTRUMENTAL MUSIC - PIANO

The courses listed below are required for a student to complete the YPAS Instrumental Music - Piano Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education or Fundamentals of Dance/Health
- HNR Geography or AP Human Geography\*
- Applied Piano 1**
- Applied Piano 2**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, or – Study Skills

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Applied Piano 1**
- Applied Piano 2**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2 or 3)
- Elective: Study Skills

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Applied Piano 3**
- Applied Piano 4**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 3 or 4)
- Elective: Music Theory 1, Study Skills

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Applied Piano 3**
- Applied Piano 4**
- Elective: Advanced Placement Music Theory
- Elective: Study Skills
- Elective
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

#### Notes:

1. Students that have four years of Piano have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. Piano majors are highly encouraged to add Music Theory 1 and/or Advanced Placement Music Theory as electives during their junior and senior years as electives become available in their schedules.

# YPAS - THEATRE

The courses listed below are required for a student to complete the YPAS Theatre Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education or Fundamentals of Dance/Health
- HNR Geography or AP Human Geography\*
- Theatre 1**
- Theatre 1**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, or – Study Skills

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Theatre 2**
- Theatre 2**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2 or 3)
- Elective: Study Skills

**JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Theatre 3**
- Theatre 3**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 3 or 4)
- Elective: Study Skills

**SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Theatre 4**
- Theatre 4**
- Elective: Study Skills
- Elective
- Elective
- Elective

\* Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

**Notes:**

1. Students that have four years of Theatre have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. Theatre majors will be encouraged to add elective courses in Fundamentals of Dance, Directing/Stage Production, Playwriting, American Musical theatre, and/or Music Theatre Lab as warranted by their advancing skills and the availability of elective opportunities in their schedule.

# YPAS ~ VOCAL MUSIC

The courses listed below are required for a student to complete the YPAS Vocal Music Magnet Program. Each student should complete a four year plan. This worksheet is the basis for developing a four year plan. Electives may be chosen from a wide range of possible course offerings and are not limited to those listed in this document.

## FRESHMAN YEAR

- English 1 (HNR or ADV)
- Algebra I, HNR Algebra 1, or ADV Geometry
- Integrated Science (HNR or ADV)
- Health/Physical Education or Fundamentals of Dance/Health
- HNR Geography or AP Human Geography\*
- Vocal Development 1**
- Men's/Ladies Ensemble 1**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 1 or 2 if you have had three full years of language in middle school, or – Study Skills

## SOPHOMORE YEAR

- English 2 (HNR, ADV, or AP Seminar)
- Geometry or Algebra II (Regular, HNR, or ADV)
- Biology (Regular, HNR, or ADV)
- World Civilization (HNR or ADV), AP World History, or AP Euro History
- Concert Choir 2 or Chamber Choir 2 (by audition)**
- Men's/Ladies Ensemble 2**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 2 or 3)
- Elective: Study Skills

#### **JUNIOR YEAR**

- English 3 (HNR, ADV, or AP English Language)
- Algebra II (Regular, HNR, or ADV) or Pre-Calculus (HNR or ADV)
- Chemistry (HNR or ADV)
- U.S. History (HNR, ADV, or AP)
- Concert Choir 3 or Chamber Choir 3 (by audition)**
- Men's/Ladies Ensemble 3**
- Elective: World Language (Spanish, French, German, or Latin – HNR or ADV Level 3 or 4)
- Elective: Study Skills

#### **SENIOR YEAR**

- English 4 (HNR, ADV, AP English Literature)
- College Algebra, Pre-Calculus (HNR or ADV), Calculus or Statistics (HNR or AP)
- Concert Choir 4 or Chamber Choir 4 \*\*(by audition)**
- Men's/Ladies Ensemble 4**
- Elective: Study Skills
- Elective
- Elective
- Elective

\*Students may take an Economics (including AP Macro or Micro) or Government and Politics Class their senior year instead of taking Honors Geography or AP Human Geography their freshman year.

\*\*Students in Chamber Choir must be in concurrently enrolled in one additional Vocal Ensemble courses.

#### Notes:

1. Students that have four years of vocal music have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities class their senior year.
2. This four-year curriculum plan is based on the continued growth and advancement of both vocal/rehearsal skills and classroom etiquette. The appropriate vocal ensemble placement must be approved by the Choral Director.

# Course Listings 2016-2017

HNR – Honors Course Level

ADV – Advanced Program Course Level

MST – Math, Science & Technology Course Level

AP – Advanced Placement Course Level

Course #	Course Name	Typical Grade Level
42300011	Study Skills (no credit)	9-12
45000011	Student Assistant (Senior Aide – no credit)	12
45238441	Peer Tutor (credit)	11-12
45214311	Career Pathways	9-12

English		
42310131	Honors English 1	9
42310191	ADV English 1	9
42320131	HNR English 2	10
42320191	ADV English 2	10
42326161	AP Seminar (English 2 credit)	10
42330131	HNR English 3	11
42330191	ADV English 3	11
42351161	AP English Language and Composition	11
42340131	HNR English 4	12
42340191	ADV English 4	12
42340193	ADV English 4 (Dual Credit - UL)	12
42352161	AP English Literature and Composition	12
42351311	Oral Communications/Debate	10-12
42343011	Great Books	11-12
42310711	Creative Writing	10-12

Mathematics		
42710211	Algebra I	9
42710231	HNR Algebra I	9
42720291	Accelerated (ADV) Geometry	9
42720211	Geometry	10
42720231	HNR Geometry	10
42730291	ADV Algebra 2	10
42730211	Algebra 2	11
42730231	HNR Algebra 2	11
42740291	Accelerated (ADV) Pre-calculus	11
42740011	College Algebra	12
42740231	HNR Pre-calculus	12
42750231	HNR Calculus	12
42750361	AP Calculus AB	12
42750461	AP Calculus BC	12
42750111	Probability & Statistics	10-12
42750161	AP Statistics	10-12
42743491	ADV Linear Algebra	11-12
42741011	Math Concepts	11-12

Course #	Course Name	Typical Grade Level
<b>Science</b>		
44010031	HNR Integrated Science	9
44010091	ADV Integrated Science	9
44120131	HNR Biology 1	10
44120191	ADV Biology 1	10
44130491	ADV Biology 2	11-12
44030061	AP Environmental Science	11-12
44230331	HNR Chemistry 1	11
44230391	ADV Chemistry 1	11
44130461	AP Biology	11-12
44140031	HNR Anatomy & Phys.	11-12
44140091	ADV Anatomy & Phys.	12
44240191	ADV Chemistry 2	11-12
44240161	AP Chemistry	11-12
44340491	ADV Physics 1	11-12
44350361	AP Physics 1 – Algebra Based	11-12
44350411	AP Physics 2 – Algebra Based	12
44350461	AP Physics C	12
	AP Research	11-12
<b>Social Studies</b>		
42220031	HNR Geography	9
42241361	AP Human Geography	9
42220131	HNR World Civilization	10
42220191	ADV World Civilization	10
42220261	AP World History	10
42241261	AP European History	10-12
42230031	HNR United States History	11
42230091	ADV United States History	11
42230061	AP United States History	11
42230461	AP U.S. Government/ Comp Government & Pol.	11-12
42231461	AP U.S. Government & Politics	11-12
42240311	Government & Politics (Political Science)	11-12
42240231	HNR Psychology	11-12
42240261	AP Psychology	11-12
42240511	Economics	11-12
42242761	AP Macroeconomics	10-12
42242661	AP Microeconomics	11-12
42240811	The Holocaust	11-12
42241411	African American History	11-12
<b>Health/Physical Education</b>		
48910111	Health Education (.5 credit)	9
48810011	Physical Education (.5 credit)	9
48840011	Foundations of Sport & Exercise	10-12
48830011	Conditioning	11-12
48820011	Physical Education 2	12
48418011	Fundamentals of Dance	9-12

Course #	Course Name	Typical Grade Level
<b>Humanities</b>		
48040011	History Arts (HAVPA)	10-12
48040091	ADV History Arts	12
48144161	AP Art History	12
42470181	ADV Human. in Spanish	12
<b>World Language</b>		
42406131	HNR French 1	9
42406191	ADV French 1	9
42406231	HNR French 2	9-10
42406291	ADV French 2	9-10
42406331	HNR French 3	10-11
42406391	ADV French 3	10-11
42406431	HNR French 4	11-12
42406491	ADV French 4	11-12
42406661	AP French Language	12
42407131	HNR German 1	9
42407191	ADV German 1	9
42407231	HNR German 2	10
42407291	ADV German 2	10
42407331	HNR German 3	11
42407391	ADV German 3	11
42407431	HNR German 4	12
42407491	ADV German 4	12
42412191	ADV Latin 1	9
42412291	ADV Latin 2	10
42412331	HNR Latin 3	11
42412391	ADV Latin 3	11
42412491	ADV Latin 4	12
42412661	AP Latin Vergil	12
42419131	HNR Spanish 1	9
42419191	ADV Spanish 1	9
42419231	HNR Spanish 2	9-10
42419291	ADV Spanish 2	9-10
42419331	HNR Spanish 3	10-11
42419391	ADV Spanish 3	10-11
42419393	ADV Spanish 3 (Dual Credit - Campbellsville)	10-11
42419431	HNR Spanish 4	11-12
42419491	ADV Spanish 4	11-12
42419661	AP Spanish Language	12
42419531	Conversation Spanish 5	12
42401111	American Sign Language 1	9-12
42401211	American Sign Language 2	10-12

Course #	Course Name	Typical Grade Level
<b>Consumer Science</b>		
45111341	FACS Essentials (Life Skills)	9-10
45111541	Fashion & Interior Design 1	9-12
45112041	Fashion & Interior Design 2	10-12
45123341	Foods & Nutrition	9-12
45113141	Advanced Foods & Nutrition	10-12
45030041	Special Topics in Fashion	11-12
45128241	Relationships & Parenting	11-12
<b>Journalism &amp; Communication</b>		
42313111	Journalism 1	9
42338011	Digital Design (Eng. Graph Art/ Desktop Pub)	9
42351311	Oral Communications/Debate	10-12
42323111	Journalism 2	10
42310711	Creative Writing	10-12
42310713	Creative Writing – Literary Magazine	10-12
42331411	Broadcast Journalism 1	11-12
42341411	Broadcast Journalism 2	11-12
42320711	Yearbook 1, 2, & 3 (Creative Writ/Yearbook)	11-12
42333111	Newspaper (Journalism 3)	11-12
42343111	Editorial Leadership (Journalism 4)	11-12
42350511	Photojournalism	11-12
42327111	Multi Media (Writ Comp/Desktop)	11-12
42350211	Film Studies (English Special Topics)	11-12
42333911	Media Internship (English Intern Sr)	11-12
<b>Mathematics, Science &amp; Technology</b>		
42720391	MST Geometry/Algebra 2	9
44010991	MST Integrated Science	9
42730391	MST Algebra 2	10
44230991	MST Chemistry	10
42740391	MST Pre-calculus	11
44120991	MST Biology	11
42750461	AP Calculus BC	12
42743391	MST Discrete Math	12
42743491	ADV Linear Algebra	11-12
44130461	AP Biology	11-12
44240161	AP Chemistry	11-12
44030061	AP Environmental Science	11-12
44350361	AP Physics 1	11-12
44350661	AP Physics 2	12
44350461	AP Physics C	12
	AP Computer Science Principles	9
45639911	Programming 1 (Introduction to Computer Science)	10-12
45631141	Web Page Development	10-12
45025741	Web Site Design	11-12
45640341	AP Computer Science - JAVA	11-12
45641341	Special Topics: Computer Science	11-12

Course #	Course Name	Typical Grade Level
<b>Mathematics, Science &amp; Technology</b>		
45634041	Robotics (C++)	11-12
45614041	Introduction to GIS	10-12
44531211	ADV Science Independent Research	11-12
	AP Research	11-12
<b>Visual Art</b>		
48112111	Basic Design	9
48112211	Drawing & Painting 1	9
48110011	Visual Art 1	9-12
48112911	Folkart & Crafts	10-12
48122211	Drawing & Painting 2	10
48122411	Ceramics & Sculpture 1	10
48120011	Visual Art 2	10-12
48132711	Comp. Art/Graphic Design	11-12
48122511	3-D Art	10-12
48132211	Drawing 3	11
48130211	Studio Art 3	11
48144261	AP Studio Drawing	11
48120311	Photography 1	11-12
48130011	Visual Art 3	11-12
48130311	Photography 2	12
48132111	Painting 3	12
48140011	Visual Art 4	12
48142111	Printmaking 2	12
48142511	Textiles	12
48144161	AP Art History	12
48144361	AP Studio 2-D Design	12
48144461	AP Studio 3-D Design	12

Course #	Course Name	Typical Grade Level
<b>Youth Performing Art School - Dance</b>		
48417011	Ballet 1	9
48427011	Ballet 2	10
48437011	Ballet 3	11
48447011	Ballet 4	12
48417111	Modern Jazz 1	9
48427111	Modern Jazz 2	10
48437111	Modern Jazz 3	11
48447111	Modern Jazz 4	12
48418011	Fundamentals of Dance	9-12
48418013	Fundamentals of Dance (MT Majors)	9-12
48439011	ADV Dance Techniques	9-12
48439013	ADV Dance Techniques 1 (MT Majors)	9-12
48449011	ADV Dance Techniques 2 (MT Majors)	12
48429211	Body Conditioning Performing Arts	9-12
48428011	Dance Ensemble 1	10
48438011	Dance Ensemble 2	11
48448011	Dance Ensemble 3	12
48429111	Dance/Tap 1	9-10
48439111	Dance/Tap 2	10-12
48449111	Dance/Tap 3	11-12
<b>Youth Performing Art School - Music</b>		
48310011	Intermediate Band 1	9
48310211	Chamber Ensemble 1	9
48320211	Chamber Ensemble 2	10
48330211	Chamber Ensemble 3	11
48340211	Chamber Ensemble 4	12
48310311	Percussion Ensemble 1	9
48320311	Percussion Ensemble 2	10
48330311	Percussion Ensemble 3	11
48340311	Percussion Ensemble 4	12
48310411	Symphonic Band 1	9
48320411	Symphonic Band 2	10
48330411	Symphonic Band 3	11
48340411	Symphonic Band 4	12
48310511	Wind Ensemble 1	9
48320511	Wind Ensemble 2	10
48330511	Wind Ensemble 3	11
48340511	Wind Ensemble 4	12
48310711	Jazz Improvisation 1	9
48320711	Jazz Improvisation 2	10
48330711	Jazz Improvisation 3	11
48340711	Jazz Improvisation 4	12
48310811	Marching Band 1	9
48320811	Marching Band 2	10
48330811	Marching Band 3	11
48340811	Marching Band 4	12
48311111	Philharmonia Prep 1 (Stg. Tech.)	9

Course #	Course Name	Typical Grade Level
<b>Youth Performing Art School - Music</b>		
48321111	Philharmonia Prep 2 (Stg. Tech)	10
48331111	Philharmonia Prep 3 (Stg. Tech)	11
48341111	Philharmonia Prep 4 (Stg. Tech)	12
48311311	Philharmonia Sec 1 (Cham. Orch.)	9
48321311	Philharmonia Sec 2 (Cham. Orch.)	10
48331311	Philharmonia Sec 3 (Cham. Orch.)	11
48341311	Philharmonia Sec 4 (Cham. Orch.)	12
48311411	Philharmonia Orchestra 1	9
48321411	Philharmonia Orchestra 2	10
48331411	Philharmonia Orchestra 3	11
48341411	Philharmonia Orchestra 4	12
48313311	Orchestra Strings 1 ADV	9
48323311	Orchestra Strings 2 ADV	10
48333311	Orchestra Strings 3 ADV	11
48343311	Orchestra Strings 4 ADV	12
48311711	Conducting	11-12
48312111	Vocal Development 1	9
48312111	Vocal Development 2	10
48332111	Vocal Development 3 (pedagogy)	11
48342111	Vocal Development 4 (Opera Workshop)	11-12
48312211	Ladies Ensemble 1	9
48322211	Ladies Ensemble 2	10
48332211	Ladies Ensemble 3	11
48342211	Ladies Ensemble 4	12
48312311	Men's Ensemble 1	9
48322311	Men's Ensemble 2	10
48332311	Men's Ensemble 3	11
48342311	Men's Ensemble 4	12
48312411	Chamber Choir 1	9
48322411	Chamber Choir 2	10
48332411	Chamber Choir 3	11
48342411	Chamber Choir 4	12
48312511	Concert Choir 1	9
48322511	Concert Choir 2	10
48332511	Concert Choir 3	11
48342511	Concert Choir 4	12
48318911	Guitar 1	9-12
48329011	Guitar 2	10-12
48339011	Guitar 3	11-12
48349011	Guitar 4	12
48316111	Piano Keyboard 1	9-12
48315611	Intermediate Piano	9-12
48316211	Applied Piano 1	9
48326211	Applied Piano 2	10
48336211	Applied Piano 3	11
48346211	Applied Piano 4	12
48347111	Music Theory 1	10-12
48357161	AP Music Theory	11-12

Course #	Course Name	Typical Grade Level
<b>Youth Performing Art School – Theater/Design &amp; Production</b>		
48512211	Exploring Theater	9-12
48512213	Exploring Theater (MT Majors)	9-12
48510211	Theater 1	9
48520211	Theater 2	10
48530211	Theater 3	11
48540211	Theater 4	12
48522511	Stage Production 2 (Directing)	10
48532511	Stage Production 3 (Directing)	11
48542511	Stage Production 4 (Adv. Performance)	12
48521211	Playwriting 1	10-12
48531211	Playwriting 2	11-12
48541211	Playwriting 3	12
48521511	Music Theater Lab 2	10
48531511	Music Theater Lab 3	11
48541511	Music Theater Lab 4	12
48521011	American Music Theater 2*	10
48531011	American Music Theater 3*	11
48541011	American Music Theater 4*	12
48510311	Design Production 1*	9
48520311	Design Production 2*	10
48530311	Design Production 3*	11
48540311	Design Production 4*	12
48510511	Stagecraft 1 **	9
48520511	Stagecraft 2**	10
48530511	Stagecraft 3**	11
48540511	Stagecraft 4**	12
	*Courses are double blocked. ** Courses meet after school. MT=Musical Theatre Majors	

## COURSE DESCRIPTIONS

ENGLISH	
<b>Honors Freshman English (#42310131)</b> Prerequisite(s): None HNR Freshman English blends the strands of reading, writing, speaking, listening, and observing as communication tools. The content has been structured so that students build on their background from previous grades to increase their competence in all areas of communication. The course presents a wide range of reading experiences including short stories, novels, poetry, and drama. The course also requires students to use the writing process and criteria for composing and assessing effective writing. Assignments in E1H2 are structured to call upon the student's speaking, listening, and observing skills as they communicate information for a variety of authentic purposes.	Grade level: 9
<b>Advance Program Freshman English (#42310191)</b> Prerequisite(s): Strong Performance in Middle School English ADV Freshman English blends the strands of reading, writing, speaking, listening, observing, and using technology as a communication tool. The content is structured so that students build on their background from the primary, intermediate, and middle grades. The course is designed to provide a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. Students are required to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas.	Grade level: 9
<b>Honors Sophomore English (#42320131)</b> Prerequisite(s): Freshmen English HNR Sophomore English is a literature and composition course seeks to enhance the student's understanding, effective use, and enjoyment of language. The purpose of this course is to prepare students to read, write, and think analytically and creatively as they will be required to do so in college and the professional world. Our reading will focus on literature through chronological and thematic units. This course will require students to use the writing process assignments, work collaboratively with peers, and work independently.	Grade level: 10
<b>Advance Program Sophomore English (#42320191)</b> Prerequisite(s): Strong performance in Freshman English ADV Sophomore English continues to build the reading, writing, speaking, listening, observing, and using of technology that was started during the freshman year. The course is designed to provide a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. Students are required to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. A strong focus is placed on the informational form for the purpose of recognizing, using, and analyzing: author's purpose, organization patterns, text features, and persuasive techniques. Students continue to use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Students are asked to make text to self, text to text, and text to world connections for the purpose of formulating and explaining opinions. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas.	Grade level: 10

<p><b>Advanced Placement Seminar (English 2 credit)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite: Advanced Program Freshman English and Advanced Placement Human Geography  NOTE: Freshmen must apply and be accepted into the AP Seminar.  AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.</p>
<p><b>Honors Junior English (#42330131)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Freshmen and Sophomore English  HNR Junior English continues to help students progress in their mastery of the mechanics of the English language as well as to help students develop an appreciation for various types of literature. During the junior year, American literature is emphasized.</p>
<p><b>Advance Program Junior English (#42330191)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Junior standing  ADV Junior English is designed to prepare students for both the collegiate level of analytical and research reading/writing as well as to relate writing topics for real world application. Students will also strive to connect the components of American Literature, of both fiction and nonfiction, to the abstract concept of the "American Dream." Students demonstrate their academic writing in a formal MLA formatted research piece as well as in other styles and genres. These other writing styles include transactive, expository, personal, and literary. This course will give students the opportunity to communicate orally through presentations or group work, analyze several different texts for real world application as well as for aesthetic purposes, and to use technology to enhance their reading comprehension and writing skills. Technology is frequently used, implemented, and needed to succeed in this course. Students focus on vocabulary skills that enhance both writing and oral communication, and this course is designed to prepare students for the standardized tests that are required from most collegiate level schools.</p>
<p><b>Advanced Placement English Language and Composition (#42351161)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Junior standing and instructor recommendation.  AP English Language and Composition corresponds to the college composition course; therefore, it is an advanced writing course that includes the study of rhetoric and argument. This focus requires the use of nonfiction, especially essays and speeches. This course allows students to write in several forms—narrative, analytical, expository, argumentative—or many different subjects from personal experiences to public policies, from imaginative literature to popular culture. This course will also teach students to read primary and secondary source material carefully, to synthesize material from these texts in their own compositions, and to cite source material using conventions recommended by professional organizations. The main goal is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will write in both informal and formal contexts to gain authority and learn to take risks in writing. Both reading and writing make students aware of the interactions among the author, the audience, the subject, conventions of the genre, and rhetorical devices including syntax, diction, voice, and tone. (adapted from the College Board Course Description) Since Instructor recommendation is a requirement for this course, an assumption is made that students have already developed a command of Standard English grammar and mechanics. Ideally, students in this course should have excellent reading and writing skills. Those who struggle with the fundamentals of grammar, with developing ideas, or with advanced-level reading will have difficulty succeeding in the course. In addition to these skills, the ability to think abstractly, interpret, and read beyond the surface or for mere plot summary are keys to success.</p> <p style="text-align: center;">Note: College level curriculum taught in a high school setting</p>

<p><b>Honors Senior English (#42340131)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Freshmen, Sophomore, and Junior English  HNR Senior English continues to help students progress in their mastery of the mechanics of the English language as well as to help students develop an appreciation for various types of literature. During the senior year, English literature is emphasized.</p>
<p><b>Advance Program Senior English (#42340191)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite: Senior standing  ADV Senior English is a literature and composition course that seeks to enhance the student's understanding, effective use, and enjoyment of language. The purpose of this course is to prepare students to read, write and think analytically and creatively as they will be required to do in college and the professional world. Literature study will focus on British and world literature. Students will produce a writing portfolio required for graduation. This course will require students to use the writing process in writing assignments, work collaboratively with peers, and work independently.</p>
<p><b>University of Louisville Dual Credit: Advanced Senior English (#42340191)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Senior standing, instructor approval  Dual Credit Senior English follows the same content and format as Advanced Program Senior English, but, in addition, students in this class will also enroll in and complete the coursework for English 101 through the University of Louisville. English 101 is a basic composition course with a focus on argumentative writing. The UofL course is tuition based. Students successfully completing the course will receive 3 hours credit on a UofL transcript. Students enrolling in this class must meet the University of Louisville's academic requirements and must be prepared to enroll in the UofL course. The class will be taught at Manual's campus by a Manual faculty member who meets the university's requirements for teaching the course. Students who qualify for free/reduced lunch/fee waiver will not be required to pay the application fee for UofL, tuition, or book costs.</p>
<p><b>Advanced Placement English Literature and Composition (#42352161)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Senior standing and instructor recommendation  AP English Literature is a college-level English class that focuses on preparing students for the opportunity to earn college credit by taking the Advanced Placement Examination in English Literature and Composition, sponsored by the College Board. Advanced Placement Literature and Composition is a college-level English class that focuses mostly on critical analysis of literature, includes poetry, plays, novels, short stories and essays written at various times in various cultures, with an emphasis on literature written originally in English. Through the close reading of these selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their reader. Students will develop expository, analytical, and argumentative essays, as well as creative writings. Through these various writings, students will develop their ability to respond to and explain clearly what they understand about literary works and why they interpret them as they do. Students are expected to justify their written interpretations of literary works through references to details and patterns found in the text, addressing figurative language, imagery, symbolism, tone, character, action, argument and various techniques and strategies authors employ to evoke responses from readers. (Advanced Placement Course Description, The College Board, May 1998). This rigorous course requires that students have a strong background in reading and analytical writing. They should recognize that the class requires extensive, thoughtful reading and discussion of challenging literature, and critical analyses. They would be expected to already know how to carefully and cogently support a thesis with evidence from various texts, while also demonstrating a mastery of mechanics, syntax and grammar. Note: College level curriculum taught in a high school setting. It is recommended that students interested in this course take the Advanced Placement Language and Composition course during their junior year.</p>

<p><b>Oral Communications/Debate (#42351311)</b> <span style="float: right;">Grade level: 10 - 12</span>  Prerequisite(s): None  Students will learn the fundamentals of public speaking, create and perform several different kinds of speeches, and become versed in persuasive speaking and debating. Oral Communications/Debate covers a variety of experiences that develop basic concepts of the oral communication process. The class includes communication theory as well as speech preparation and delivery. The goals of the course are to develop and improve argumentative and critical-thinking skills in communication settings. Topics include analysis of discourse, development of sound oral reasoning, proper methods of refutation, and the facilitation of argumentation in group situations. Through participation in various types of in-class debates and forums on current topics, students research topics, discover issues, and formulate propositions as they apply to social and personal decision-making.  Note: J&amp;C students have first priority; open to all magnets as space permits. Elective course.</p>
<p><b>Great Books (#42343011)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): None  Based on the Great Books Foundation vision of book discussion groups in which passionate readers could meet and talk about enduring issues and ideas, the course explores a wide variety of genres using a focused theme. The class reads closely the selections presented then discusses them through the Shared Inquiry method. Students will learn to develop interpretive questions, discuss, debate, and share what they find in their readings. The course also requires analytical writing and projects based on texts. Texts often range from classical literature and historic documents to contemporary literary works. Note: Elective course.</p>
<p><b>Creative Writing (#42310711)</b> <span style="float: right;">Grade level: 10 - 12</span>  Prerequisite(s): Freshman English  Creative Writing is designed for both the skilled and determined beginning writer as we explore the realm of writing for the aesthetic purpose of creating pieces of fiction, flash fiction, monologues, plays, and poetry in many forms. Students explore writing in different environments, from personal perspectives, and character perspectives based on different given prompts. Finished projects include: a working college writing portfolio, group presentation over different literary magazines/reviews, a personal poetry book, a collection of flash fiction pieces, a short story, and a school-wide publication of One Blue Wall (the school literary magazine). In producing this magazine, students will develop the skills in peer revision, the writing process, and oral communication. Students will collect pieces of writing from all over Manual High School, and they will then edit, revise, and contact each author as they create a published collection of different creative writing pieces. Note: Must meet ACT requirement for University of Louisville for Dual Credit.</p>

<p><b>MATHEMATICS</b></p> <p><b>Algebra 1 (#42710211)</b> <span style="float: right;">Grade level: 9</span>  Prerequisite(s): None  Algebra 1 includes the study of matrices, linear equations, linear inequalities, linear functions, polynomials, and quadratic functions. Successful completion of this sequence prepares students for Geometry.</p>
<p><b>Honors Algebra 1 (#42710231)</b> <span style="float: right;">Grade level: 9</span>  Prerequisite(s): None  HNR Algebra 1 includes the study of matrices, linear equations, linear inequalities, linear functions, systems of equations and inequalities, probability, polynomials, quadratic functions, and other functions including piecewise and absolute value.</p>
<p><b>Accelerated (Advance Program) Geometry (#42720291)</b> <span style="float: right;">Grade level: 9</span>  Prerequisite(s): Advanced Program or Honors Algebra I  ADV Geometry includes the study of line and angle relationships, polygons, triangles, logic, proof, transformations, circles, areas, volume, Pythagorean Theorem, similarity and right triangle trigonometry. Additionally several algebra topics are addressed: solving multi-step one-variable equations, systems of equations, and quadratic equations.</p>

<b>Geometry (#42720211)</b> Prerequisite(s): Algebra I Geometry includes the study of triangles, polygons, transformations, similarity, right triangle trigonometry, surface area, and volume. Successful completion of this course prepares a student for further work in Algebra II.	Grade level: 10
<b>Honors Geometry (#42720231)</b> Prerequisite(s): Honors Algebra I HNR Geometry includes the study of line and angle relationships, polygons, triangles, transformations, circles, areas, volume, Pythagorean Theorem, similarity, and right triangle trigonometry. Successful completion of this course prepares a student for further work in algebra, usually Honors Algebra II.	Grade level: 10
<b>Advance Program Algebra 2 (#42730291)</b> Prerequisite(s): Advanced Program Algebra I and Advanced Program Geometry ADV Algebra 2 includes the study of probability, systems of equations and inequalities, polynomial expressions and operations, exponential and logarithmic functions, quadratics, data analysis, sequences (explicit and recursive rules) and series, radical expressions and equations, rational expressions and equations, and trigonometric functions.	Grade level: 10
<b>Algebra 2 (#42730211)</b> Prerequisite(s): Algebra I and Geometry Algebra 2 includes the study of functions including piecewise and absolute value, systems, exponential functions, sequences and series, probability, and statistics.	Grade level: 11
<b>Honors Algebra 2 (#42730231)</b> Prerequisite(s): Honors Algebra I and Honors Geometry HNR Algebra 2 provides a rigorous preparation for Honors Pre-Calculus. This course includes the study of probability, systems of equation and inequalities, polynomial expressions and operations, exponential and logarithmic functions, quadratics, data analysis, sequences and series, radical and rational expressions.	Grade level: 11
<b>Accelerated (Advance Program) Pre-calculus (#42740291)</b> Prerequisite(s): Algebra I, Geometry, and Algebra II ADV Pre-calculus includes the study of functions, polynomial functions, rational functions, radical functions, exponential equations and functions, logarithmic equations and functions, trigonometric functions, polar coordinates, vectors, and conics. Successful completion of this course provides the student with the necessary Prerequisites for Advanced Placement Calculus.	Grade level: 11
<b>College Algebra (#42740031)</b> Prerequisite(s): Honors Algebra II HNR College Algebra includes a review of linear equations and linear functions and an in-depth study of polynomial expressions/functions, quadratic equations/functions, rational expressions/functions, radical expressions, equations, and functions with radicals, exponential and logarithmic equations and functions, conics, matrices, introduction to linear programming, and non-linear systems.	Grade level: 12
<b>Honors Pre-Calculus (#42740231)</b> Prerequisite(s): Algebra I, Geometry, and Algebra II HNR Pre-calculus includes the study of functions, polynomial functions, rational equations and functions, radical equations and functions, exponential equations and functions, logarithmic equations and functions trigonometric functions, polar coordinates, vectors, and conics.	Grade level: 12
<b>Honors Calculus (#42750231)</b> Prerequisite(s): Algebra I, Geometry, Algebra II HNR Calculus includes the study of limit and continuity concepts, derivative as a slope and as a rate of change, applications of derivatives, integrals, and applications of integrals.	Grade level: 12

<b>Advanced Placement AB Calculus (#42750361)</b> <span style="float: right;">Grade level: 12</span> Prerequisite(s): Successful completion of Advanced Program Pre-Calculus or MST Precalculus/Calculus This course includes a study of functions, graphs, limits, derivatives as points and functions, second derivatives, and applications of derivatives, integrals, and applications of integrals, Fundamental Theorem of Calculus, techniques and applications of antidifferentiation. Note: College level curriculum taught in a high school setting
<b>Advanced Placement Calculus BC (#42750461)</b> <span style="float: right;">Grade level: 12</span> Prerequisite: MST Pre-Calculus/Calculus Topics of study include conceptual understanding of definite integrals, Riemann sums, the fundamental theorem of calculus, integration methods, differential equations, applications of definite integrals (area between curves, volume of solids, arc length, and surface area), convergence of infinite series, power series, Taylor/Maclaurin polynomials, parametric curves, polar functions. Note: College level curriculum taught in a high school setting. Note: College level curriculum taught in a high school setting
<b>Probability and Statistics (#42750111)</b> <span style="float: right;">Grade level: 10-12</span> Prerequisite: Algebra 2 This class is an elective upper division math course for high school students; it is not meant to be equivalent to an AP statistics course. It is designed to give students an idea of what statistics, as a discipline studies, can tell us about problems we face as well as the limitations statistics has versus our desire for certainty. This course is the study of statistics using a non-theoretical approach without formal proofs, explaining concepts intuitively and supporting them with abundant examples. The applications span a broad range of topics certain to appeal to the interests of students of diverse backgrounds and include problems in business, sports, health, architecture, education, entertainment, political science, psychology, history, criminal justice, the environment, transportation, physical sciences, demographics, and travel and leisure.
<b>Advanced Placement Statistics (#42750161)</b> <span style="float: right;">Grade level: 10-12</span> Prerequisite(s): Advanced Algebra II, Advanced Program Algebra II, or MST Geometry AP Statistics follows the College Board curriculum. This course includes graphical representations of data, measures of central tendency and variability, probability and probability distribution, normal distribution, inference for distributions, proportions, tables, and regressions. Note: College level curriculum taught in a high school setting
<b>Advanced Program Linear Algebra (#42743491)</b> <span style="float: right;">Grade level: 11-12</span> Prerequisite(s): Calculus This course, we will be studying topics in Linear Algebra, and time permitting, material from multivariable Calculus. This course plans to cover matrix theory and linear algebra, emphasizing topics useful in other disciplines. Linear algebra is a branch of mathematics that studies systems of linear equations and the properties of matrices. The concepts of linear algebra are extremely useful in physics, economics and social sciences, natural sciences, and engineering. The following is a list of topics we will be covering this year: Systems of Linear Equations, Row Reduction and Echelon Forms, Vector and Matrix Equations, Linear Transformations, Matrices, Subspaces, Vector Spaces, Eigenvectors and Eigenvalues, Orthogonality, and Symmetric Matrices and Quadratic Forms.
<b>Mathematic Concepts (#42741011)</b> <span style="float: right;">Grade level: 11-12</span> Prerequisite: Algebra 2 This course is designed for students who need additional time and help with mathematical strategies. This course uses hands-on activities and experiments with graphing calculators to support the study of the concepts addressed in the relevant statements in the Kentucky Core Academic Standards for a high school. This course can be individualized to enhance a student's college or career readiness. This course could serve as a mathematics elective for high school graduation, but not as one of the 3 required mathematics credits for high school graduation: Algebra 1, Geometry or Algebra 2.

<b>SCIENCE</b>	
<b>Honors Integrated Science (#44010031)</b>	Grade level: 9
Prerequisite(s): None HNR Integrated Science is an inquiry based interdisciplinary course that emphasizes topics in conceptual physical and earth science within a laboratory setting.	
<b>Advance Program Integrated Science (#44010091)</b>	Grade level: 9
Prerequisite(s): None ADV Integrated Science is an inquiry based interdisciplinary course that emphasizes topics in conceptual physical and earth science within a laboratory setting. In addition, each student is given the opportunity to learn from detailed laboratory exercises, special projects, and research. Science, technology, and societal issues are integrated throughout the course.	
<b>Honors Biology I (#44120131)</b>	Grade level: 10
Prerequisite(s): None HNR Biology I uses the same content as Biology I, but enriches and extends the curriculum by adding more complicated laboratory exercises, extensive reading and writing assignments, community involvement and independent student homework assignments.	
<b>Advance Program Biology I (#44120191)</b>	Grade level: 10
Prerequisite(s): None AP Biology I uses the same content as Biology I, but enriches and extends the curriculum by adding more complicated laboratory exercises, extensive reading and writing assignments, community involvement and independent student homework assignments. In addition, research and special projects are incorporated. Science, technology, and societal issues are integrated throughout the course.	
<b>Advance Program Biology 2 (#44130491)</b>	Grade level: 11-12
Prerequisite(s): Biology 1 Advanced Program Biology II is an extensive study of molecular biology, evolution and ecology. Laboratory experiences emphasize extended use of lab equipment, inquiry-based procedures, collaborative projects and research based experiments. This course is an extensive analytical study of biological science that incorporates environmental science, biochemistry, cellular biology, microbiology, comparative anatomy and physiology, and genetics using inquiry based laboratory techniques and scientific practices.	
<b>Advanced Placement Environmental Science (#44030061)</b>	Grade level: 11- 12
Prerequisite(s): Integrated Science (or Chemistry), Biology AP Environmental Science is a course in which high school students have the opportunity to earn college credit while they are still in high school. This course follows the College Board curriculum and is designed to provide students with the scientific principles, concepts, and methodologies required to understand the cycles in nature, interrelationships of the natural world, and to identify and analyze environmental problems. Note: College level curriculum taught in a high school setting	
<b>Honors Chemistry I (#44230331)</b>	Grade level: 11
Prerequisite(s): None HNR Chemistry I includes the study of atomic structure and theory, the chemical properties of matter, chemical reactions, and energy changes. Laboratory exercises, extensive reading and writing assignments, community involvement and independent student homework assignments are part of the course.	
<b>Advance Program Chemistry I (#44230391)</b>	Grade level: 11
Prerequisite(s): ADV Integrated Science and ADV Algebra 2 ADV Chemistry I includes the study of atomic structure and theory, the chemical properties of matter, chemical reactions, and energy changes. In addition, the student is given the opportunity to learn from detailed laboratory exercises, special projects, and research. Science, technology, and societal issues are integrated throughout the course.	

<b>Advanced Placement Biology (#44130461)</b> Prerequisite(s): Successful completion of Biology 1 and Chemistry 1 (concurrent) AP Biology II follows the College Board curriculum and covers topics regularly covered in a college biology course for majors. Note: College level curriculum taught in a high school setting.	Grade level: 11 - 12
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<b>Honors Anatomy and Physiology (#44140031)</b> Prerequisite(s): None HNR Anatomy and Physiology is an in-depth study of the human body's nine major systems' structural and functional components using inquiry-based laboratory experiences and activities, such as dissections of comparative organs. Note: Elective Course	Grade level: 11 - 12
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<b>Advance Program Anatomy and Physiology (#44140091)</b> Prerequisite(s): None This course is an extensive study of the human body's nine major systems' structural and functional components using inquiry-based laboratory experiences and activities such as dissections of comparative organs. The curriculum covers basic science and broad biomedical subjects including maternal/fetal medicine, heart disease, adolescent medicine, cancer, environmental medicine, neurological disorders as well as patient history and physical exams. By partnering with the University of Louisville, our students will be able to sample the medical school curriculum and foster a lasting interest in the health sciences.	Grade level 11 - 12
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<b>Advance Program Chemistry 2 (#44240191)</b> Prerequisite(s): Successful completion of Chemistry 1 ADV Chemistry 2 is an extensive study of organic chemistry, thermodynamics, kinetics, equilibrium, and other selected topics using inquiry-based laboratory techniques and scientific practices. Students are encouraged to work both collaboratively and independently to enhance their understanding of scientific research as it relates to chemical concepts.	Grade level: 11 - 12
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<b>Advanced Placement Chemistry (#44240161)</b> Prerequisite(s): Successful completion of Chemistry 1 AP Chemistry II follows the College Board curriculum and covers material that would normally be covered in a college introductory chemistry course. Note: College level curriculum taught in a high school setting	Grade level: 11 - 12
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<b>Advance Program Physics I (#44340491)</b> Prerequisite(s): None ADV Physics I includes the study of the laws of motion and forces, the laws of conservation of energy, and the interactions of energy with matter. Laboratory exercises, extensive reading and writing assignments, community involvement, research, special projects, and independent homework assignments are part of the course. Science, technology, and societal issues are integrated throughout the course. Note: Elective Course	Grade level: 11 - 12
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<b>Advanced Placement Physics 1 (#44350361)</b> Prerequisite(s): Advanced or MST Pre-Calculus AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.	Grade level: 11 - 12
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<b>Advanced Placement Physics 2 (#44350411)</b> Prerequisite: AP Physics Part 1 and students should have taken or concurrently taking Precalculus. AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Note: College level curriculum taught in a high school setting	Grade level: 12
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<b>Advanced Placement Physics C (#44350461)</b> <span style="float: right;">Grade level: 12</span> Prerequisite: Students should have taken or concurrently taking Calculus. AP Physics C Mechanics is equivalent to a one semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's law of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. AP Physics C: Electricity & Magnetism is one semester that explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.
<b>Advanced Placement Research</b> <span style="float: right;">Grade level: 11-12</span> Prerequisite(s): Successfully completed Advanced Placement Seminar AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.
<b>SOCIAL STUDIES</b>
<b>Honors Geography (#42220031)</b> <span style="float: right;">Grade level: 9</span> Prerequisite(s): None This course will prepare students to become knowledgeable citizens of a diverse, global society. The class begins with an introduction to geography, in which students will learn the five themes of geography, the features that define the earth, how to study peoples and cultures of the earth, and how to use various geographic tools. Students will use the skills they have learned to apply to regional areas of the world. Each area will also be addressed in terms of its culture, which includes studies of population patterns, history and government, cultures/lifestyles, and current issues.
<b>Advanced Placement Human Geography (#42241361)</b> <span style="float: right;">Grade level: 9</span> Prerequisite(s): None Advanced Placement Human Geography is a two-semester course that analyzes the relationship between people and space. The specific units examined during the course include population geography, cultural geography, political geography, agricultural and rural geography, economic geography, and urban geography. Students are expected to take the Advanced Placement exam at the end of the course and may potentially earn college placement or credit based upon exam performance. Due to an emphasis on study skills and habits, Advanced Placement Human Geography is highly recommended for students planning to take other advanced placement courses during high school. Note: The course provides a good base for other Advanced Placement Social Studies courses. College level curriculum taught in a high school setting.
<b>Honors World Civilizations (#42220131)</b> <span style="float: right;">Grade level: 10</span> Prerequisite(s): None This course is a survey course, which focuses primarily on the historical and cultural development of major civilizations since 1500. The major religious, economic, and political revolutions receive intensive study. Emphasis is placed on the use of critical thinking skills to evaluate key issues in world history and the student is expected to extend his/her readings well beyond the textbook. Historical documents and conflicting interpretations are examined in order to analyze landmark events and historical conditions.
<b>Advance Program World Civilizations (#42220191)</b> <span style="float: right;">Grade level: 10</span> Prerequisite(s): None This is a survey course, which focuses primarily on the historical and cultural development of major civilizations since 1500. The major religious, economic, and political revolutions receive intensive study. Emphasis is placed on the use of critical thinking skills to evaluate key issues in world history and the student is expected to extend his/her readings well beyond the textbook. Historical documents and conflicting interpretations are examined in order to analyze landmark events and historical conditions. Note: An in depth research project is part of the course.

<p><b>Advanced Placement World History (#42220261)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite(s): Sophomore standing and Instructor recommendation.  This course follows the College Board curriculum. This course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, form a foundation for modern history, and focuses primarily on human history from 1000 A.D. to the present. Historical understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. Research and analytical writing are required. Note: College level curriculum taught in a high school setting</p>
<p><b>Advanced Placement European History (#42241261)</b> <span style="float: right;">Grade level: 10 - 12</span>  Prerequisite(s): Sophomore standing and Instructor recommendation.  This course follows the College Board curriculum. This study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the modern world. The student develops an understanding of the principal themes in modern European history, and develops the ability to analyze historical evidence and express historical understanding in writing. Note: College level curriculum taught in a high school setting. Course maybe taken as an elective during 11<sup>th</sup> or 12<sup>th</sup>.</p>
<p><b>Honors United States History (#42230031)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): None  This course completes the study of U.S. history that was introduced in the eighth-grade U.S. history class and focuses on the development of the United States since 1865. The course requires higher levels of learning, more opportunities for critical thinking and analysis of historical data, and more rigorous reading assignments. Research is part of the course evaluation, organization, and presentation.</p>
<p><b>Advance Program United States History #42230091)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): None  This is a survey course the closely examines the political, economic, and social conditions of each era. While the whole of United States history is covered, particular attention is given to the period from 1865 to the present. Emphasis is placed on the use of critical thinking skills to evaluate key issues in United States history, and the student is expected to extend his/her readings well beyond the textbook. Historical documents and conflicting interpretations are examined in order to analyze landmark events and historical conditions.</p>
<p><b>Advanced Placement United States History (#42230061)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Junior standing and Instructor recommendation.  This course follows the College Board curriculum. This course is designed to allow students to examine United States history from the first European explorations of the Americas to the present. The course includes rigorous reading assignments, and requires students to analyze and interpret primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence of historical events. Research and analytical writing are required. Note: College level curriculum taught in a high school setting</p>
<p><b>Advanced Placement Comparative Government and Politics/ Advanced Placement U.S. Government and Politics (#42230461)</b> <span style="float: right;">Grade level: 11- 12</span>  Prerequisite(s): Junior standing and Instructor recommendation. It is highly recommended that students taking the course have completed U.S. History.  This course follows the College Board curriculum. In the first semester the course includes an in-depth study of U.S. Government and Politics. The course covers various institutions, groups and ideas that constitute U.S. government, deeply analyzing these concepts and taking into account a variety of theoretical perspectives and beliefs. Topics such as Constitutional underpinnings, political beliefs and behaviors, institutions of national government, public policy, and civil rights and liberties will be discussed. In the second semester the course critically analyzes and compares different governmental and political structures from throughout the world. The course covers the governments of six core countries (the United Kingdom, Mexico, Nigeria, Iran, Russia and China) and develops an understanding of the sources of power, institutions, political history, and cultural makeup of each of these countries. Note: College level curriculum taught in a high school setting. Students will prepare for the AP U.S. Government and Politics Exam during one semester and AP Comparative Government and Politics Exam the other semester.</p>

<p><b>Advanced Placement U.S. Government and Politics (#42231461)</b> Grade level: 11 - 12  Prerequisite(s): Junior standing and Instructor recommendation. It is highly recommended that students taking the course have completed U.S. History. This course follows the College Board curriculum. This course gives the student an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Topics such as Constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties, institutions of national government, public policy, and civil rights and civil liberties will be discussed. Note: College level curriculum taught in a high school setting</p>	
<p><b>Government and Politics (Political Science - #42240311)</b> Grade level: 11 - 12  Prerequisite(s): None  This course introduces the student to both theoretical political science and to practical politics. Emphasis is placed on the skills and concepts used by the political scientist and on the processes involved in practicing political decision-making.</p>	
<p><b>Honors Psychology (#42240231)</b> Grade level: 11 - 12  Prerequisite(s): None  This course is a scientific study of behavior. It introduces selected topics of psychological study and the skills and methods of psychological experimentation. The course emphasizes biological and environmental influences, intelligence and learning, personality, and behavior patterns. Note: Elective course.</p>	
<p><b>Advanced Placement Psychology (#42240261)</b> Grade level: 11 - 12  Prerequisite(s): Instructor recommendation.  This course follows the College Board curriculum. This course is designed to introduce students to the systematic scientific study of the behavior of mental processes of human beings and animals. Students are exposed to psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. The methods psychologists' use in their science and practice are examined. Note: College level curriculum taught in a high school setting</p>	
<p><b>Economics (#42240511)</b> Grade level: 11 - 12  Prerequisite(s): None  This course introduces students to decision-making based on economic principles. In addition to personal finance concepts, key topics include supply and demand, banking, small businesses/entrepreneurship, and the role of the government in the economy.</p>	
<p><b>Advanced Placement Macroeconomics (#42242761)</b> Grade level: 11 - 12  Prerequisite(s): Instructor recommendation.  This course follows the College Board curriculum. This course is designed to give the student a thorough understanding of the principles of economics that apply to an economic system as a whole. Topics covered include: basic economic concepts, measurement of economic performance, national income, price determination and international economics of growth.  Note: College level curriculum taught in a high school setting</p>	
<p><b>Advanced Placement Microeconomics (#42242661)</b> Grade level: 11 - 12  Prerequisite(s): Instructor recommendation.  This course follows the College Board curriculum. This course is designed to give the student a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. Topics covered include: basic economic concepts, the nature and function of product markets, factor markets, efficiency, equity and the role of government.  Note: College level curriculum taught in a high school setting</p>	

<p><b>The Holocaust (#42240811)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): None.  This is a course designed to study this particular event in history in detail and substance, and to research and compare similar events of the past in which inhumane treatment of groups of people has occurred. The course examines the German culture of the early 20<sup>th</sup> century to see how social, political, and economic conditions, as well as world events, led to an environment in which the Holocaust could take place. Current issues along with strategies for reducing hate and promoting tolerance are examined. Note: Elective course.</p>		
<p><b>African American History (#42241411)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite(s): None  African American History focuses on an in-depth study of Africans and African Americans, including their history, culture, contributions, and current status in the United States. Emphasis is placed upon the geographic origin of African people and the economic and political forces that brought them to America.</p>		
<p><b>HEALTH/PHYSICAL EDUCATION</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"> <p><b>Health Education I (#48910111)</b>  Prerequisite(s): None  Health Education I consists of instruction in the following health areas: personal wellness, behavior choices, communicable and non-communicable diseases, mental and emotional health, self management and coping strategies, nutrition, safety and first aid. Note: Graduation requirement</p> </td> <td style="width: 20%; text-align: right; padding: 5px;"> Grade level: 9 </td> </tr> </table>	<p><b>Health Education I (#48910111)</b>  Prerequisite(s): None  Health Education I consists of instruction in the following health areas: personal wellness, behavior choices, communicable and non-communicable diseases, mental and emotional health, self management and coping strategies, nutrition, safety and first aid. Note: Graduation requirement</p>	Grade level: 9
<p><b>Health Education I (#48910111)</b>  Prerequisite(s): None  Health Education I consists of instruction in the following health areas: personal wellness, behavior choices, communicable and non-communicable diseases, mental and emotional health, self management and coping strategies, nutrition, safety and first aid. Note: Graduation requirement</p>	Grade level: 9	
<p><b>Physical Education I (#48810011)</b> <span style="float: right;">Grade Level: 9</span>  Prerequisite(s): None  Physical Education I involves the teaching of lifetime leisure sports, individual sports, and team sports. Skills learned will be reinforced and advanced skills will be introduced. This course focuses on physical fitness and its evaluation and maintenance. The student develops a personalized fitness program based on his/her fitness goals. Content includes refining selected motor skills with emphasis on lifetime recreational activities to develop and maintain a healthy lifestyle. Note: Graduation requirement</p>		
<p><b>Foundations Sport &amp; Exercise (#48840011)</b> <span style="float: right;">Grade Level: 10 – 12</span>  Prerequisite(s): Instructor approval  This course gives students who are involved in athletics a chance to condition in the off season and learn about different aspects of sports such as officiating, nutrition, rules, athletic training, and careers associated with athletics.</p>		
<p><b>Conditioning (#48830011)</b> <span style="float: right;">Grade level: 11 -12</span>  Prerequisite(s): Foundations of Sport &amp; Exercise and Instructor Approval  Strength and Conditioning is designed for students who desire to increase muscle strength and mass. The class emphasis is on building strength, endurance, and power. Students will design individual workout plans, chart progress, test max levels, and revise and modify accordingly throughout the year. Some aerobic conditioning will be involved. Class size is limited for safety concerns.</p>		
<p><b>Physical Education II (#48820011)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Instructor Approval  Physical Education II is designed for students who desire to develop advanced skills in selected games and sports including physical fitness. It emphasizes physical fitness and the refinement of skills, rules, techniques, and strategies for individual and team sports.</p>		
<p><b>Fundamentals of Dance I (#48418911)</b> <span style="float: right;">Grade level: 9 - 12</span>  Prerequisite(s): None  Fundamentals of Dance I instruct students in basic dance movement skills to increase body awareness, enhance self-image, improve physical fitness, and develop personal expression potential. Students will learn fundamental techniques in 6 week periods of study in yoga, ballroom and folk, modern dance/dance history, aerobics and conditioning, African dance and culture, jazz, dance composition and improvisation. Students should expect to challenge themselves physically every class. Students are graded on dress code for dance, class participation, effort, and attitude. Note: Open to all Manual/YPAS students. <u>Fulfills required physical education credit.</u></p>		

<b>HUMANITIES</b>		
<b>History and Appreciation of Visual and Performing Arts (#48020011)</b>		Grade level: 10-12
Prerequisite(s): None History and Appreciation of Visual and Performing Arts include the disciplines of visual art, music, dance, drama and literature. Students become aware of how time, place, and society influence the arts. The course of study enables students to respond to all art forms through describing, analyzing, interpreting and evaluating.		
<b>Advance Program History and Appreciation of Visual and Performing Arts (#48040091)</b>		Grade level: 12
Prerequisite(s): None ADV History and Appreciation of Visual and Performing Arts are an interdisciplinary course surveying the development of human culture from the ancient world to the present. The class will examine the nature of various disciplines including literature, mythology, philosophy, religion, theatre, visual arts, music, and dance. The class introduces the student to the major achievements of human cultures and to the skills and methodologies needed to study those achievements. It emphasizes higher-level thinking skills, rigorous readings, use of community resources, and nurtures individual growth and independent thought. Note: This course will satisfy the Advanced Program Humanities requirement.		
<b>Advanced Placement Art History (#48050961)</b>		Grade level: 12
Prerequisite(s): None, See Art department chair with questions. AP Art History is designed to allow students to examine major forms of artistic expression from the past to the present in a variety of cultures. Students will learn to look at works of art critically and to express what they have seen or experienced. This follows the College Board AP Art History Curriculum and students are expected to take the exam in the spring for college credit. Note: College level curriculum taught in a high school setting. This course will satisfy the Advanced Program Humanities requirement		
<b>Advanced Program Humanities in Spanish (#42470181)</b>		Grade level: 12
Prerequisite(s): Successful completion of Spanish 1-3 ADV Humanities in Spanish is a course presenting the core content of the Advanced Program Humanities course, but contextualized and taught in the target language of Spanish. The course is designed to fulfill two course credits for Manual seniors. The first provides a required Carnegie credit unit for Humanities. The second may provide an Advanced Spanish 4 credit after the successful completion of a national norm-referenced proficiency test. Humanities core content topics will range across the spectrum of the history and appreciation of the visual and performing arts, with areas including the nature and elements of various artistic forms, significant artistic Ages and Movements, and an exposure to the artistic production of various world cultures. Content may be augmented with additional topics pertaining to target language cultures and with local performing arts opportunities such as those available at the Youth Performing Arts School. The course will present as much content as possible directly in the target language, including readings, lectures, primary resources and some events. While the course will focus on worldwide artistic production, works in the targeted language will be introduced and studied to better connect the two disciplines. Note: This course will satisfy the Advanced Program Humanities requirement.		
<b>WORLD LANGUAGE</b>		
<b>Honors French I (#42406131)</b>		Grade level: 9
Prerequisite(s): None This course is an introduction to the language and cultures of the French-speaking world. The course emphasizes the student's initial development of the interpersonal, interpretative, and presentational modes of communication and an understanding of other people's worldviews, their way of life, and their patterns of behavior. Emphasis is placed on proficient communication in the language.		
<b>Advanced Program French I (#42406191)</b>		Grade level: 9
Prerequisite(s): None This course is an introduction to the language and cultures of the French-speaking world. The course emphasizes the student's initial development of the interpersonal, interpretative, and presentational modes of communication and an understanding of other people's worldviews, their way of life, and their patterns of behavior. Emphasis is placed on developmental mastery of the three modes of communication including readings such as short stories or poetry.		

<p><b>Honors French II (#42406231)</b> <span style="float: right;">Grade level: 9 - 10</span></p> <p>Prerequisite(s): French I or demonstrated mastery</p> <p>This course is part of the continuing sequence of study begun in French I. The course offers students opportunities to improve in the three modes of communication and increase their knowledge and understanding of the relationship of cultural products, practices, and perspectives of the French-speaking world.</p>
<p><b>Advance Program French II (#42406291)</b> <span style="float: right;">Grade level: 9 - 10</span></p> <p>Prerequisite(s): Advanced Program French I or demonstrated mastery</p> <p>This course continues to develop all five language skills: listening, speaking, reading, writing and culture. The course is a follow up on the grammar taught in the previous years, with an attention given to the two major past tenses of the indicative (passé-composé and imparfait), the study of the "SI" clauses and an introduction to the subjunctive mood. Units provide guided speaking practice and free conversation opportunities; oral presentations are part of the assessment process. Writing development is a part of each unit. The French classes are part of an exchange program with Macon, France every other year. It is a great opportunity for the students to be immersed and experience the French culture.</p>
<p><b>Honors French III (#42406331)</b> <span style="float: right;">Grade level: 10 - 11</span></p> <p>Prerequisite(s): French I and French II</p> <p>This course continues with the development of the three modes of communication with the introduction of specialized vocabulary and advanced language structures. Students will expand cultural knowledge and learn to interpret the varied products of French-speaking civilizations, such as music, films, newspapers, literary texts, architecture, and inventions, in terms of underlying cultural values and attitudes.</p>
<p><b>Advance Program French III (#42406391)</b> <span style="float: right;">Grade level: 10 - 11</span></p> <p>Prerequisite(s): Advanced Program French I and French II</p> <p>This course continues to develop all five language skills: listening, speaking, reading, writing and culture. The course is a follow up on the grammar taught in the previous years, with an attention given to the two major past tenses of the indicative (passé-composé and imparfait), the study of the "SI" clauses and an introduction to the subjunctive mood. Units provide guided speaking practice and free conversation opportunities; oral presentations are part of the assessment process. The French classes are part of an exchange program with Macon, France every other year. It is a great opportunity for the students to be immersed in and experience the French culture.</p>
<p><b>Honors French IV /Honors Conversational French (#42406431)</b> <span style="float: right;">Grade level: 11 - 12</span></p> <p>Prerequisite(s): French I, French II, and French III</p> <p>This course continues with the development of the three modes of communication via the study of the history and literature of French-speaking peoples. Students will explore the interrelationship of ideas and values in order to explain "why" and to anticipate "how" particular cultures will respond to events, problems, and questions. Emphasis is placed on proficient communication in the language.</p>
<p><b>Advance Program French IV (#42406491)</b> <span style="float: right;">Grade level: 11 - 12</span></p> <p>Prerequisite(s): Successful completion of Advanced Program French I, French II, and French III.</p> <p>This course builds advanced conversational skills through a variety of language strategies with emphasis on conveying meaning and performing tasks. Assessment is through vocabulary tests and situational simulations. Expansion of vocabulary provided the means to obtain information, express feelings and emotions and exchange opinions. Units of study introduce vocabulary, speaking strategies and culture. The class is conducted for the most part in French; consequently, oral participation is a must. The French classes are part of an exchange program with Macon, France. It is a great opportunity for the students to be immersed in the French culture.</p>

<p><b>Advanced Placement French Language (#42406661)</b> Grade level: 12</p> <p>Prerequisite(s): Successful completion of prior Advanced Program French courses (French I-IV)</p> <p>AP French Language prepares the students for the AP test in May. It is an intensive course which develops the four skills: writing, reading, listening, and speaking. The culture is incorporated in the reading passages. The class is conducted entirely in French and students must respond in French. The class is also part of an exchange program with Macon France to give the students an opportunity to experience the French culture.</p>
<p><b>Honors German I (#42407131)</b> Grade level: 9</p> <p>Prerequisite(s): None</p> <p>This course is an introduction to the language and cultures of the German-speaking world. The course emphasizes the student's initial development of the interpersonal, interpretative, and presentational modes of communication and an understanding of other people's worldviews, their way of life, and their patterns of behavior. Emphasis is placed on proficient communication in the language.</p>
<p><b>Advance Program German I (#42407191)</b> Grade level: 9</p> <p>Prerequisite(s): None</p> <p>This course is an introduction to the language and cultures of the German-speaking world. The course emphasizes the student's initial development of the interpersonal, interpretative, and presentational modes of communication and an understanding of other people's worldviews, their way of life, and their patterns of behavior. Emphasis is placed on developmental mastery of the three modes of communication including readings such as short stories or poetry.</p>
<p><b>Honors German II (#42407231)</b> Grade level: 10</p> <p>Prerequisite(s): German I</p> <p>This course is part of the continuing sequence of study begun in Beginning German. The course offers students opportunities to improve in the three modes of communication and increase their knowledge and understanding of the relationship of cultural products, practices, and perspectives of the German-speaking world.</p>
<p><b>Advance Program German II (#42407291)</b> Grade level: 10</p> <p>Prerequisite(s): Advanced German I</p> <p>This course is part of the continuing sequence of study begun in German I. The course offers students opportunities to improve in the three modes of communication and increase their knowledge and understanding of the relationship of cultural products, practices, and perspectives of the German-speaking world.</p>
<p><b>Honors German III (#42407331)</b> Grade level: 11</p> <p>Prerequisite(s): German I and II</p> <p>This course continues with the development of the three modes of communication with the introduction of specialized vocabulary and advanced language structures. Students will expand cultural knowledge and learn to interpret the varied products of German-speaking civilizations, such as music, films, newspapers, literary texts, architecture, and inventions, in terms of underlying cultural values and attitudes.</p>
<p><b>Advance Program German III (#42407391)</b> Grade level: 11</p> <p>Prerequisite(s): Advanced German I and II</p> <p>This course continues with the development of the three modes of communication with the introduction of specialized vocabulary and advanced language structures. Students will expand cultural knowledge and learn to interpret the varied products of German-speaking civilizations, such as music, films, newspapers, literary texts, architecture, and inventions, in terms of underlying cultural values and attitudes. The Advanced Program course also probes selected German-speaking writers who depict the changing face of German-speaking societies and an awareness of their diverse cultural identity.</p>

<p><b>Honors German IV (#42407431)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): German I, German II, and German III  This course continues with the development of the three modes of communication via the study of the history and literature of German-speaking peoples. Students will explore the interrelationship of ideas and values in order to explain "why" and to anticipate "how" particular cultures will respond to events, problems, and questions. Emphasis is placed on proficient communication in the language.</p>
<p><b>Advance Program German IV (#42407491)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Advanced German I, German II, and German III  This course continues with the development of the three modes of communication via the study of the history and literature of German-speaking peoples. Students will explore the interrelationship of ideas and values in order to explain "why" and to anticipate "how" particular cultures will respond to events, problems, and questions. Emphasis will be placed on the presentation of information, concepts, and ideas in spoken and written form.</p>
<p><b>Advance Program Latin I (#42412191)</b> <span style="float: right;">Grade level: 9</span>  Prerequisite(s): None  This course provides the opportunities for the student to learn to read and write fundamental Latin, to master approximately 400-500 Latin vocabulary words presented in the text, to learn basic forms and syntax of the Latin language in a cumulative fashion, and to discern English derivatives of assigned vocabularies, thereby increasing the student's English vocabulary. The course introduces the student to Roman geography, Roman culture, history, and mythology. The Advanced Program Latin I student is required to do independent study designed to broaden his/her understanding of Roman civilization and to increase the relevance of Latin to modern life.</p>
<p><b>Advance Program Latin II (#42412291)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite(s): Advanced Program Latin I  This course continues the study of fundamental Latin grammar as well as more complex syntax including the subjunctive mood and clauses, infinitives and indirect discourse, and participles. The student continues to develop Latin reading skills particularly through the translation of Caesar's <u>Commentaries on the Gallic War</u>. Major Roman authors are introduced. The Advanced Program Latin II student is required to do independent study and translations to increase comprehension and familiarity with different genres.</p>
<p><b>Honors Latin III (#42412331)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Latin I and Latin II  This course is a reading course focusing on the writings of Sallust, Cicero, and Ovid. A study of composition develops greater sophistication in the handling of Latin grammar and includes the scansion of Latin poetry.</p>
<p><b>Advance Program Latin III (#42412391)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Advanced Latin I and Latin II  This course increases the student's ability to translate, comprehend, and appreciate more difficult Roman prose. The writings of Cicero and Sallust are the emphases of this course. The Advanced Program Latin III student is required to do independent study and translations to increase comprehension and familiarity with authors from the Silver Age of Latin Literature.</p>
<p><b>Advance Program Latin IV (#42412491)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Advanced Latin I, Latin II, and Latin III  Latin IV continues the development of an appreciation of Latin poetry. Through the reading of Virgil's AENEID (Books I, II, IV and VI), the student becomes aware of the author's skill in the creation of mood and the effect of the poetic meter. Background material includes the study of the Augustan Age, as well as the subject matter of the remaining books of the AENEID.</p>

<p><b>Advanced Placement Latin Literature (#42412761)</b> Grade level: 12</p> <p>Prerequisite(s): Advanced Program Latin I, II, and III</p> <p>AP Latin is a grammar and reading based course which covers material in both Caesar's <i>de bello Gallico</i> and Vergil's <i>Aeneid</i>. Students will be expected to translate both prepared and unprepared material as well as write essays in English about the Latin which they have read. Upon completion of the course, students will be prepared for the AP Latin exam.</p> <p>Note: College level curriculum taught in a high school setting</p>
<p><b>Honors Spanish I (#42419131)</b> Grade level: 9</p> <p>Prerequisite(s): None</p> <p>This course is an introduction to the language and cultures of the Spanish-speaking world. The course emphasizes the student's initial development of the interpersonal, interpretative, and presentational modes of communication and an understanding of other people's worldviews, their way of life, and their patterns of behavior. Emphasis is placed on proficient communication in the language.</p>
<p><b>Advance Program Spanish I (#42419191)</b> Grade level: 9</p> <p>Prerequisite(s): None</p> <p>This course is an introduction to the language and cultures of the Spanish-speaking world. The course emphasizes the student's initial development of the interpersonal, interpretative, and presentational modes of communication and an understanding of other people's worldviews, their way of life, and their patterns of behavior. Emphasis is placed on developmental mastery of the three modes of communication including readings such as short stories or poetry.</p>
<p><b>Honors Spanish II (#42419231)</b> Grade level: 9 - 10</p> <p>Prerequisite(s): Spanish I or demonstrated proficiency.</p> <p>This course is part of the continuing sequence of study begun in Beginning Spanish. The course offers students opportunities to improve in the three modes of communication and increase their knowledge and understanding of the relationship of cultural products, practices, and perspectives of the Spanish-speaking world.</p>
<p><b>Advance Program Spanish II (#42419291)</b> Grade level: 9 - 10</p> <p>Prerequisite(s): Advanced Spanish I or demonstrated proficiency.</p> <p>This course is part of the continuing sequence of study begun in Beginning Spanish. The course offers students opportunities to improve in the three modes of communication and increase their knowledge and understanding of the relationship of cultural products, practices, and perspectives of the Spanish-speaking world. Students begin to learn to interpret various cultural products, practices, and perspectives of Spanish-speaking peoples.</p>
<p><b>Honors Spanish III (#42419331)</b> Grade level: 10</p> <p>- 11</p> <p>Prerequisite(s): Spanish I and Spanish II or native speaker</p> <p>This course continues with the development of the three modes of communication with the introduction of specialized vocabulary and advanced language structures. Students will expand cultural knowledge and learn to interpret the varied products of Spanish-speaking civilizations, such as music, films, newspapers, literary texts, architecture, and inventions, in terms of underlying cultural values and attitudes.</p>
<p><b>Advance Program Spanish III (#42419391)</b> Grade level: 10 - 11</p> <p>Prerequisite(s): Advance Spanish I and Spanish II</p> <p>This course continues with the development of the three modes of communication with the introduction of specialized vocabulary and advanced language structures. Students will expand cultural knowledge and learn to interpret the varied products of Spanish-speaking civilizations, such as music, films, newspapers, literary texts, architecture, and inventions, in terms of underlying cultural values and attitudes. The Advanced Program course also probes selected Spanish-speaking writers who depict the changing face of Spanish-speaking societies and an awareness of Spain's own diverse cultural identity. Advanced Program Spanish III is offered as a dual credit course with Campbellsville University.</p>

<b>Advance Program Spanish IV (#42419491)</b> Prerequisite(s): Advanced Spanish I, II, and III This course continues with the development of the three modes of communication via the study of the history and literature of Spanish-speaking peoples. Students will explore the interrelationship of ideas and values in order to explain "why" and to anticipate "how" particular cultures will respond to events, problems, and questions. Emphasis will be placed on the presentation of information, concepts, and ideas in spoken and written form. Students will write and perform various skits, mini-oral, in both presentational and interpersonal modes. Project- Spanish in the Real World interaction in the Hispanic community, with a focus on community service.	Grade level: 11 - 12
<b>Advanced Placement Spanish Language (#42419661)</b> Prerequisite(s): Instructor recommendation and Advanced Spanish I, II, III, IV This is a course designed for the later years of secondary school study at Manual. Students will develop Spanish usage and skills in appropriate cultural contexts using a variety of authentic materials. The greater purpose of the course is to develop more authentic proficiency, with a secondary and important goal of achieving a score of 3 or higher on the newly-designed AP Spanish Language test. The Spanish Language exam relies heavily on the use of authentic sources-newspaper and magazine articles, radio reports, TV news features, and literary selections to assess language skills. The course will involve a variety of activities intended to improve both general and correct proficient language production. Those taking the course are required to take the AP Spanish Language exam. Note: College level curriculum taught in a high school setting	Grade level: 12
<b>Conversational Spanish/Honors Spanish V (#42419531)</b> Prerequisite(s): Spanish I-IV This course allows students to refine the three modes of communication via a continued, richer study of the history and culture of Spanish-speaking peoples. This course will help students analyze the social, economic, geographic, and historical factors that affect cultural products and practices in various Spanish-speaking countries. The emphasis is on proficient communication in the language. Note: Includes a service learning component.	Grade level: 12
<b>American Sign Language I (#42401111)</b> Prerequisite(s): None. This course is designed for students to learn the basics of American Sign Language, the visual-spatial language used by deaf people in the United States and most provinces of Canada. In addition to language, deaf culture will also be introduced, since language and culture are inseparable. By the end of the course, students will be equipped with the basic communication strategies necessary to interact with the deaf. Note: Elective.	Grade level: 9 - 12
<b>American Sign Language II (#42401211)</b> Prerequisite(s): American Sign Language I. This course expands the skills acquired in American Sign Language I. The focus of the course is on increasing receptive and expressive American Sign Language skills, enhancing communication with deaf students, and on becoming familiar with issues related to deafness.	Grade level: 10 - 12

<b>CONSUMER SCIENCE</b>	
<b>FACS – Essentials (used to be known as Life Skills) (#45111341)</b> Prerequisite(s): none Life Skills introduces students to Family and Consumer Sciences through short units of instruction. The units relate to growth and development of the adolescent, clothing needs, consumer skills, goal setting and decision making, nutritional needs, and the significance of home and interpersonal relationships. Career awareness is part of each unit. Leadership development will be provided through the Family, Career and Community Leaders of America.	Grade level: 9
<b>Fashion &amp; Interior Design I (#45111541)</b> Prerequisite(s): None Fashion Design I provides opportunities for students to develop career competencies in the fashion and/or interiors industry by applying information related to social, economic, and media influences. Students apply knowledge of design principles and processes through skill performance activities, such as sewing. Work related issues will be explored and leadership development will be provided through Family, Career and Community Leaders of America.	Grade level: 9 -12

<p><b>Fashion &amp; Interior Design 2 (#45112041)</b> <span style="float: right;">Grade level: 10 -12</span>  Prerequisite(s): Fashion Design I  Fashion Design II provides opportunities for students to develop career competencies in the fashion and/or interiors industry. Practical problems include advanced textile construction techniques, and/or the use of technological resources. Entrepreneurial opportunities will be explored. Application of skills will occur in a variety of work sites. Leadership development will be provided through the Family, Career, and Community Leaders of America.</p>
<p><b>Foods &amp; Nutrition (#45123341)</b> <span style="float: right;">Grade level: 9 - 12</span>  Prerequisite(s): None  This course is designed to assist students in making critical decisions about food. Laboratory instruction is included. Attitude towards food, nutrition facts, food safety, and preparation skills are addressed.</p>
<p><b>Advanced Foods &amp; Nutrition (Foods 2) (#45113141)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisites: Foods &amp; Nutrition  This course is designed as a continuation of Foods I to assist students in principles related to food preparation. Specific content addressed will include planning, serving, food presentation, special diets, and nutrition for the lifespan, serving, and food planning for entertainment services.</p>
<p><b>Special Topics in Fashion Merchandising (#45128541)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): Approval from Consumer Science department chair  Fashion Merchandising is a specialized course that provides instruction in marketing of apparel and accessories. This course is based upon the business and marketing core that includes communication skills, economics, operations, professional development, promotion, selling, distribution, and product/service management. The instruction includes fashion and marketing basics. The use of design and color, promotions, visual merchandising, and career opportunities are also discussed.</p>
<p><b>Relationships &amp; Parenting (#45128241)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): None  Relationships &amp; Parenting is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly, and exploring career opportunities in care giving. This course helps students develop self-understanding, understand others better, improve interpersonal skills both within and outside the family, be more considerate of other person's needs and property, and maintain mental and emotional wellness. Family Life education comprises a portion of this course, including dating and marital relationships. Preparations for and the achievement of a successful marriage are emphasized. Leadership development will be provided through the Family, Career and Community Leaders of America. NOTE: Recommended for upperclassman due to the content discussed.</p>

JOURNALISM & COMMUNICATION	
<p><b>Journalism I: Intro to Journalism &amp; Communication - Listed as Journalism 1, (#42313111)</b> <span style="float: right;">Grade Level: 9</span>  This course provides an overview of the mass communications field with an emphasis on journalism and news media. The course examines the various forms of mass media, advertising/public relations, journalism ethics, the mass media's influence on society, and relevant legal issues, among many other topics. Prerequisites: None. Availability: This is a requirement for freshman J&amp;C students. Open to other magnets as space permits.</p>	
<p><b>Digital Design - Listed as Eng Graph Arts/Desktop, (#42338011)</b> <span style="float: right;">Grade Level: 9</span>  Students will learn the elements and principles of design and learn to apply them using various software tools, including Adobe InDesign, Adobe Photoshop, and Adobe Illustrator. Students will practice headline and caption writing, as well as learn advertising strategies. Students will experiment with multimedia tools such as video editing software as time permits. This course prepares students for upper-level J&amp;C courses such as Yearbook and Newspaper, but also introduces students to software used in Broadcast Journalism and Multimedia. Prerequisites: None. Availability: This is a requirement for freshman J&amp;C students. Open to other magnets as space permits.</p>	

<b>Oral Communication/Debate - Listed as Oral Communication/Debate, (#42351311)</b> Grade level: 10-12 Students will learn the fundamentals of public speaking, create and perform several different kinds of speeches, and become versed in persuasive speaking and debating. Prerequisites: None. Availability: J&C students have first priority; open to all magnets as space permits. This class is a prerequisite for Broadcast Journalism.
<b>Journalism 2: Journalistic Writing - (#42323111)</b> Grade level: 10 This course is a prerequisite for yearbook, newspaper, multimedia, and broadcasting. It may be taken concurrently with those classes. Students learn how to write news, features, and editorials. They also learn how to develop a sense of what is newsworthy, an understanding of journalism ethics and the responsibilities of journalists and the publications and news outlets for which they write. Students also learn copy editing and broadcast writing skills. Prerequisite: Journalism 1/Intro to Mass Communications. Availability: This is a requirement for sophomore J&C students. Open to other magnets as space permits.
<b>Creative Writing/Literary Magazine (One Blue Wall) (#42310711)</b> Grade level: 10-12 Creative Writing is designed for both the skilled and determined beginning writer as we explore the realm of writing for the aesthetic purpose of creating pieces of fiction, flash fiction, monologues, plays, and poetry in many forms. Students explore writing in different environments, from personal perspectives, and character perspectives based on different given prompts. Finished projects include: a working college writing portfolio, group presentation over different literary magazines/reviews, a personal poetry book, a collection of flash fiction pieces, a short story, and a school-wide publication of One Blue Wall (the school literary magazine). In producing this magazine, students will develop the skills in peer revision, the writing process, and oral communication. Students will collect pieces of writing from all over Manual High School, and they will then edit, revise, and contact each author as they create a published collection of different creative writing pieces. Note: Must meet ACT requirement for University of Louisville for Dual Credit if interested in the Dual Credit option. Availability: Sophomores and above. J&C students have priority, but open to all magnets.
<b>Broadcast Journalism I - Listed as Broadcast Journalism 3, (#42331411)</b> Grade level: 11-12 The basics of video editing and broadcast journalism are introduced in this class. During the second semester, students will produce news stories to be aired on Manual's weekly TV show Manual AM using digital video cameras and Adobe Premiere Pro editing software. Prerequisites: Journalism 1, Journalism 2 (can be concurrently enrolled), Oral Communication and Debate (can be concurrently enrolled). Availability: Open to J&C students only. Class size limited to 15 due to equipment availability.
<b>Broadcast Journalism II - Listed as Broadcast Journalism 4, (#42341411)</b> Grade level: 11-12 During the first semester, the seniors in this class will produce news stories to be aired on Manual's weekly TV show Manual AM. During the second semester, students will focus on creating short documentaries about local issues. Availability: Open to J&C students only. Prerequisite: Broadcast 1. Class size limited to 15 due to equipment availability.
<b>Yearbook I, II and III - (#42320711)</b> Grade level: 11-12 Yearbook is both an elective course and extracurricular activity for high achieving; self-motivated students who seek to continue the yearbook's national award-winning achievements. Students must go through an application and interview procedure, and once accepted, they can apply for a variety of positions from business manager to editor-in-chief. It operates as a real business that gives students practical experience in print media and marketing. Students compose, construct, and edit all elements of the book, including writing copy, taking photos, and designing pages. In addition, students perform clerical operations, sell advertising, conduct interviews, and poll students. Extensive after-school time is required from each student; the minimum is four hours a week after school on Wednesdays. Students attend a summer retreat and boot camp, as well as weekly summer planning meetings. Prerequisites: Desktop Publishing, Journalism 2 (can be concurrently enrolled). Availability: J&C students only. Exceptions can be made for people with qualifying experience on a case-by-case basis, as determined by the adviser.

<p><b>Newspaper I, II, &amp; III - Listed as Journalism 3, (#42333111)</b> Grade level: 11-12            Students in this course will produce Manual's award-winning student newspaper, The Crimson Record, monthly. Production requires students to be responsible for all aspects of the newspaper, including interviewing, writing copy, taking photos, selling advertising, designing layout, and performing public relations and marketing duties. After school-time is required, with flexible scheduling. Students must go through an application and interview procedure, and once accepted, will be invited or will apply for various staff positions. Prerequisites: Desktop Publishing, Journalism 2 (can be concurrently enrolled). Qualifying experience may be substituted for prerequisites at instructor's discretion. Must be sophomore level and above.</p>
<p><b>Editorial Leadership - Journalism 4, (#42343111)</b> Grade level: 11-12            Description: Taking students beyond the day-to-day responsibilities of publishing and producing, the course offers support to student publication leaders while emphasizing the skills necessary to be successful editors. The students will develop knowledge in interpersonal skills, newsroom management, oral and written communication, issues of etiquette, responsible reporting and journalism ethics, critical thinking, and advanced problem solving. Students will participate in editing workshops based on the Associated Press style guides, role-play difficult staff scenarios, read selected texts on editorship and leadership, keep a reflection journal, schedule regular advising appointments with the teacher, develop a plan to address individual areas of growth, and participate in regular guided small group discussion to seek resolution to the complex problems that arise with their staffs. Most periods will offer long periods of staff work time to complete publication deadlines. Prerequisite: Concurrent enrollment required in Yearbook, Broadcast, Newspaper, Multimedia, or Creative Writing, along with an editorial or managerial position and permission from the course instructor.</p>
<p><b>Photojournalism I and II (#42350511)</b> Grade level: 11-12            This course focuses on learning how to shoot with single lens reflex (SLR) digital cameras, learning composition and how to use the camera's creative modes (manipulating shutter speed, ISO, and aperture). Using Canon Rebel SLRs and an array of lenses, students shoot sports, news, feature, and portraiture photography. Student work is featured in the yearbook, newspaper, and the online student publication. Second year student's focus on independent photography projects. Having your own SLR camera is a plus but not required. Up to eight students will intern with the Kentucky Derby Festival in the spring. Prerequisites: None. Availability: Reserved for J&amp;C magnet juniors and seniors with staff positions. Class size is limited.</p>
<p><b>Multimedia - Listed as Wrt Comp/Dktp Pub, (#42327111)</b> Grade level: 11-12            Students will get hands-on experience in reporting and producing stories for the twenty-first century media environment. Students write and adapt stories for an online audience at <a href="http://manualredeye.com">manualredeye.com</a> using non-linear storytelling methods, utilizing professional multimedia software. Projects and activities will include: blogging, audio slideshows, podcasting, and assembling video, audio, still pictures, text, and graphics together in a complete multimedia package for web publishing. Prerequisites: Desktop Publishing, Journalism II (can be concurrently enrolled). Availability: Open to sophomore level and higher. Upperclass J&amp;C students have priority. In particular, students with computer programming/web development experience for webmaster and technical support positions can bypass prerequisites with adviser approval.</p>
<p><b>Film Studies – Listed as English Special Topics #42350211)</b> Grade level: 11-12            Students will learn the methods of viewing a film critically while fostering an ability to appreciate and analyze various films from different eras and genres. While the course will focus primarily on American film, students will encounter films from other cultures, namely European. Students will analyze films, review them with a critical eye, and write extensively about the films they watch, compare films from different cultures, eras, and genres. Also students will engage in regular Socratic-style discussion with other class members on a regular basis. Open to juniors and seniors from all magnets.</p>
<p><b>Media Internship - Listed as ENG INTERN SR SEM #42333911</b> Grade level: 11-12            The Media Internship is an opportunity for students to practice their skills in the outside world. The adviser helps to pair students skilled in writing, videography, design, oral and written communication, web design, and/or photography, based on the employers' needs and hours of availability. Through the internship, students can earn high school credit as well as work experience and references. Students are monitored by a site supervisor and are evaluated by the supervisor, the adviser, and themselves. The adviser performs occasional site visits to see the student at work and observe the work environment. Each internship begins with a meeting with the employer, the adviser, and the student, to determine responsibilities and evaluative methods. There is no expectation of payment for an internship. This course is open to J&amp;C juniors and seniors only with approval from instructor.</p>

**MATHEMATICS, SCIENCE & TECHNOLOGY****MST Advance Program Geometry/Algebra 2 (#42730391)**

Grade level: 9

Prerequisite: Admission to MST, Placement test

This course is an enriched Algebra II curriculum with an in-depth study of equations and functions. It is designed for students who have completed Grade 8 Algebra I and Advanced Geometry. In addition, this course includes the study of step functions, natural logarithms, determinants, and conic sections. This course is taught in a more mathematically rigorous manner and at an accelerated pace.

**MST Advance Program Integrated Science (#44010991)**

Grade level: 9

Prerequisite: Admission to MST

The MST program at Manual High School is grounded in two main underlying concepts: rigor and research. The goal of this class is to give first year MST students the foundations they will need to be successful in these areas throughout their tenure in the MST program. They will also learn the introductory framework and fundamental laboratory skills for later science courses (biology, chemistry, earth/space science). The MST science courses and upper level science electives are more rigorous than typical science courses and it will be assumed that students will have learned the basic concepts and skills for these courses in this first year class.

**MST Advance Program Algebra 2 (#42720391)**

Grade level: 10

Prerequisite: Successful completion of MST Algebra II

This course provides students with opportunities to make conjectures about geometric situations and prove in both formal and informal ways to form a logical conclusion of their hypothesis. This course is meant to employ integrating synthetic, transformational and coordinate approaches, justify relationships and properties and investigate geometric situations. Heavy emphasis is placed on advanced algebra, the theory of functions, trigonometry and statistics.

**MST Advance Program Chemistry (#44230991)**

Grade level: 10

Prerequisite(s): MST Geometry/Trigonometry

This course, following a theme of research and problem solving, explores topics such as equations, equilibrium kinetics, thermodynamic relationships, chemical calculations and descriptive particles. Students in this course will design and carry out an original research project.

**MST Advance Program Pre-Calculus/Calculus (#42740391)**

Grade level: 11

Prerequisite(s): MST Geometry/Algebra II and MST Algebra II/Trigonometry

This course explores topics such as advanced theory of functions with an emphasis on graphing techniques, algebraic theory, advanced geometry and trigonometry, limits and an introduction to differential calculus.

**MST Advance Program Biology (#44120991)**

Grade level: 11

Prerequisite(s): Admission to MST

This course is a college-level course. Topics include concepts in biochemistry, cellular structure and function, cellular reproduction, photosynthesis, respiration, genetics, classification, metabolic physiology, and ecology. Students are also required to design, carry out and complete a research project in a science, math, or technology field of the student's choosing.

**Advanced Placement Calculus B/C (#42750461)**

Grade level: 12

Prerequisite: MST Pre-Calculus/Calculus

Topics of study include conceptual understanding of definite integrals, Riemann sums, the fundamental theorem of calculus, integration methods, differential equations, applications of definite integrals (area between curves, volume of solids, arc length, and surface area), convergence of infinite series, power series, Taylor/Maclaurin polynomials, parametric curves, polar functions. Note: College level curriculum taught in a high school setting.

Note: College level curriculum taught in a high school setting

<p><b>MST Discrete Math (#42743391)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite: Calculus  MST Discrete Mathematics includes advanced business and computer applications, using a variety of discrete topics and strategies such as set theory, mathematical induction, graph theory, permutations and combinations, etc. Supports Math/Science/Technology magnet program and provides a course of students who have exhausted school math offerings and need to meet the state requirement that they take a math course during all years of high school.</p>
<p><b>Advance Program Linear Algebra (#42743491)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Calculus  This course, we will be studying topics in Linear Algebra, and time permitting, material from multivariable Calculus. This course plans to cover matrix theory and linear algebra, emphasizing topics useful in other disciplines. Linear algebra is a branch of mathematics that studies systems of linear equations and the properties of matrices. The concepts of linear algebra are extremely useful in physics, economics and social sciences, natural sciences, and engineering. The following is a list of topics we will be covering this year: Systems of Linear Equations, Row Reduction and Echelon Forms, Vector and Matrix Equations, Linear Transformations, Matrices, Subspaces, Vector Spaces, Eigenvectors and Eigenvalues, Orthogonality, and Symmetric Matrices and Quadratic Forms.</p>
<p><b>Advanced Placement Biology (#44130461)</b> <span style="float: right;">Grade level: 11 -12</span>  Prerequisite(s): Successful completion of Biology 1  AP Biology II follows the College Board curriculum and covers topics regularly covered in a college biology course for majors. Note: College level curriculum taught in a high school setting</p>
<p><b>Advanced Placement Chemistry (#44240161)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): Successful completion of Chemistry 1  AP Chemistry II follows the College Board curriculum and covers material that would normally be covered in a college introductory chemistry course. Note: College level curriculum taught in a high school setting</p>
<p><b>Advanced Placement Environmental Science (#44030061)</b> <span style="float: right;">Grade level: 11- 12</span>  Prerequisite(s): Integrated Science (or Chemistry), Biology  AP Environmental Science is a course in which high school students have the opportunity to earn college credit while they are still in high school. This course follows the College Board curriculum and is designed to provide students with the scientific principles, concepts, and methodologies required to understand the cycles in nature, interrelationships of the natural world, and to identify and analyze environmental problems.  Note: College level curriculum taught in a high school setting</p>
<p><b>Advanced Placement Physics 1 (#44350361)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): Advanced or MST Pre-Calculus  AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.</p>
<p><b>Advanced Placement Physics 2 (#44350411)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite: AP Physics Part 1.  AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.  Note: College level curriculum taught in a high school setting</p>

<p><b>Advanced Placement Physics C (#44350461)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite: Students should have taken or concurrently taking Calculus.  AP Physics C Mechanics is equivalent to a one semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's law of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. AP Physics C: Electricity &amp; Magnetism is one semester that explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.</p>
<p><b>Advanced Placement Computer Science Principles</b> <span style="float: right;">Grade level: 9</span>  AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field.</p>
<p><b>Programming (Introduction to Computer Science - #45639911)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite(s): Computer applications, Algebra I  This course covers the concepts basic to computer science: data representation and encapsulation, substitution, composition of functions, iteration, recursion, and algorithmic analysis. Students begin with no knowledge of programming and learn to write programs using a modern, high-level programming language. Emphasis is placed on the development of problem solving skills.</p>
<p><b>Web Page Development (#45631141)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisite(s): Computer applications  Web Page Design using HTML will be introduced. Creating web documents using a simple text editor will be the main focus. How to use a simple web editor will also be covered. Features such as layout, tables, images, forms, frames and the incorporation of sound and video will be explored. Developing site specifications and methods to increase the appeal and effectiveness of web sites are included. How to prepare web documents appropriate for use in business and professional web sites will be covered. Also, this course introduces CSS and emphasizes W3C web design and accessibility standards.</p>
<p><b>Web Site Design (#45025741)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite(s): Web Page Development  Students learn to use web page development software to create or change web pages, inserting text content, graphics, and interactive modules. They also learn to use research software tools to help design the look, feel, and navigation of a web page. Web page updates and work with the hardware associated with the web page are also emphasized.</p>
<p><b>Advanced Placement Computer Science - JAVA (#45640761)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): Computer applications, Intro to Computer Programming  This course follows the College Board AP Computer Science curriculum and covers the basic concepts common to the first-year sequence in most college computer science majors. The course focuses on concepts of object-oriented programming, including inheritance and modularization. In addition, students learn about common data structures, including heaps, stacks, queues, linked lists, binary search trees, and hash maps.  Note: College level curriculum taught in a high school setting</p>
<p><b>Special Topics in Computer Science (#45641341)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): AP Computer Science (May be taken concurrently), Instructor Approval  Special Topics in Computer Science covers topics in programming, user interface design, and operating systems beyond those covered in the Introduction to Computer Programming and AP Computer Science courses. Students choose projects to complete that involve research, self-study, and team development, with emphasis on developing projects for particular users that are applicable in the real world.</p>

<p><b>Robotics (C++ #45634041)</b> Grade level: 11-12  Prerequisite(s): Web Page Development, Programming, and Instructor Approval  Using robots as a programming target, students will learn to program in C, implement electronic circuits, and address the challenges of writing code that interacts with the physical world. Robotics can only be offered for a maximum of two sections due to limited hardware resources. Using previously acquired HTML/CSS skills students will learn to create web applications using PHP and MySQL. Students will also learn the fundamentals of system administration.</p>
<p><b>Introduction to GIS (Geographical Information Systems) (#45614041)</b> Grade level: 10-12  Prerequisite(s): Computer applications  This is an introductory course designed to provide basic theories and concepts of geographical information systems including basic GIS capabilities, data collection, data types, GPS, and basic mapping concepts. Introduces GIS software using industry-specific applications and technology to provide a conceptual base to build expertise in GIS.</p>
<p><b>Advance Program Science Independent Research</b> Grade level: 11-12  Prerequisite(s): Instructor Approval  This course involves students in both qualitative and quantitative research. The course provides interested students an opportunity for studies within the science field. Student researchers utilize the Internet, keep detailed journals and meet individually with instructors.</p>
<p><b>Advanced Placement Research</b> Grade level: 11-12  Prerequisite(s): Successful completion of Advanced Placement Seminar  AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.</p>

<p><b>VISUAL ART</b></p>
<p><b>Basic Design (#48112111)</b> Grade level: 9  Prerequisite(s): Admission to VA  This course is an introductory yearlong intensive study of the elements and principles of design and their use through classroom projects. Students explore a variety of media, both 2D and 3D, while mastering the use of technical art materials. Students learn to respond to their work as well as that of others. Note: Visual Arts Magnet required first year course.</p>
<p><b>Drawing and Painting I (#48112211)</b> Grade level: 9  Prerequisite(s): Admission to VA  This course is a yearlong course for freshman offering an introductory drawing course that provides experiences in line, value, and space using a variety of media and subjects. The painting portion gives the students an opportunity to solve color and painting problems in tempera, watercolor, and mixed media techniques. An examination of historical artwork gallery visits and visiting artists will correspond to assignments. Note: Visual Arts Magnet required first year course.</p>
<p><b>Visual Art I (#48110011)</b> Grade level: 9  Prerequisite: Successful completion of middle school art or permission of local school art department  This course is the foundation course in art for the high school student. In the course, the student receives instruction in the studio areas—design, drawing, painting, printmaking, ceramics, sculpture, and textiles—that increase basic art skills developed in the middle school art program. The course provides experiences to increase student knowledge and ability through art history, analysis of form, aesthetics, cultural heritage, and art production. The student is introduced to career options in the visual arts. Visual Art I prepares the student for Visual Art II, Folk art and Craft, and 3D Art courses.</p>

<p><b>Folk Art and Craft (#48112911)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisite(s): Visual Art 1 or Instructor Approval  This course is a foundation course in the study of craft techniques and materials. A variety of crafts will be explored including an introduction of defining "crafts" as opposed to "fine arts". Creativity, self-exploration and responding through the arts will be encouraged. An examination of historical and global artwork, gallery visits and visiting artists will correspond to assignments.</p>
<p><b>Drawing and Painting II (#48122211)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite(s): Drawing and Painting I  This is a yearlong course for sophomores offering continued study in drawing techniques, providing experiences in line, value, and space using a variety of media and subjects. The painting portion of the course provides students opportunities to solve color and painting problems in tempera, watercolor, mixed media, acrylic and oil painting techniques. An examination of historical artwork, gallery visits and visiting artists will correspond to assignments. Note: Visual Arts Magnet required 2<sup>nd</sup> year course.</p>
<p><b>Ceramics and Sculpture I (#48122411)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite(s): Basic Design  This course is a yearlong course offering one semester of ceramics and one semester of sculpture. Students in ceramics construct hand built and wheel turned pieces that are glazed and fired. Sculpture students explore additions, subtraction, modeled and cast construction techniques. Note: Visual Arts Magnet required 2<sup>nd</sup> year course.</p>
<p><b>Visual Art 2 (#48120011)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisite: Successful completion of Visual Art I or Instructor recommendation  This is a course in which the student is involved in challenging studio problems in the arts and crafts areas and in art history, art criticism, and aesthetic material related to full development of the talent/interest of the individual. In Visual Art II the student begins to select work for a portfolio to be used for career or technical pursuits. Students explore further career options in the visual arts.</p>
<p><b>Computer Art/Graphic Design (#48132711)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite(s): Instructor approval  This is a yearlong course using software packages and graphics computers and printers to produce computer-generated art forms. The course is divided into sections: two-dimensional graphic images as completed art forms; two-dimensional graphics images for commercial art; and use of computer as preparation tool for other art media.</p>
<p><b>Three Dimensional Art (#48122511)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisite(s): Visual Art 1 or Instructor Approval  This is a course that examines different types of three-dimensional art. Students work in clay, sculpture, and other three dimensional techniques and processes, exploring a variety of media, while mastering the use of technical art materials. During the class, students will respond to their own artworks, and that of others. An examination of historical artwork will correspond to assignments.</p>
<p><b>Drawing III (#48132211)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): Drawing/Painting II  This is a yearlong course offering continued study in two-dimensional media with assignments planned by the Instructor and student for individual students and projects assigned to the entire class. Assignments are prepared for use in a senior art portfolio. Students explore landscapes, portraits, still-life, and abstractions with a variety of media and subjects. An examination of historical artwork, gallery visits and visiting artists will correspond to assignments. Note: Visual Arts Magnet course</p>

<p><b>Studio Art 3/Textiles and Printmaking I (#48130211)</b> <span style="float: right;">Grade level: 11</span>  Prerequisite(s): Ceramics and Sculpture I and Drawing/Painting II  This is a yearlong course offering one semester of textiles and one semester of printmaking. The textiles semester introduces the student to surface design and fiber construction. Students explore mixed media, stitchery, and batik techniques. Students in printmaking explore relief, intaglio, and surface media for one semester. The students are encouraged to link their art experience and skill in a cross-curricular manner. Students are exposed to historical and cultural importance of the usage in this media throughout the term. Note: Visual Arts Magnet required 3<sup>rd</sup> year course.</p>
<p><b>Advanced Placement Studio Art Drawing (#48144261)</b> <span style="float: right;">Grade Level: 11</span>  Prerequisite(s): Successful completion of Drawing/Painting II and Instructor approval.  This course emphasizes the quality of student work, the student's concentration on a particular visual interest or problem and the student's need for breadth of experience in the formal, technical and expressive means of the artist. Student portfolios are required for completion and should be submitted to the College Board for college credit. Six original art works are sent along with 20+ works in slide form. Note: Visual Arts Magnet 3<sup>rd</sup> year course.</p>
<p><b>Photography I (#48120311)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): None  This is an introductory course in which the student is introduced to basic camera and photographic darkroom techniques. During the year the student learns to plan and produce photographic images that reflect an understanding of laboratory processes emphasizing usage of elements and principles of design. Students explore photography job opportunities. Note: Successful completion of middle school art or departmental approval; recommend successful completion of Visual Art I.</p>
<p><b>Visual Art 3 (#48130011)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite: Successful completion of Visual Art II or Instructor recommendation.  This course is an advanced course in art in which the student works on Instructor-planned and individually selected problems to develop art and craft. Experiences in art history, cultural heritage, analysis of form, aesthetics—which complement the studio experience—are integral parts of the course. The student in Visual Art III is expected to keep a portfolio of artwork that reflects developing technical skills.</p>
<p><b>Photography 2 (#48130311)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Successful completion of Photo I and Instructor approval  This is a course in which the student refines the skills related to the production of images that reflect an understanding of composition, lighting, camera, and darkroom processes and techniques. The Photography II student is expected to begin to develop a portfolio of photographic images. Experiences that increase understanding and knowledge of the history, criticism, and aesthetic quality of photographic images should also be included.</p>
<p><b>Painting 3 (#48132111)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Drawing III or AP Drawing Portfolio  This is a yearlong course offering continued study in two-dimensional media with assignments planned by the Instructor and student for individual students and projects assigned to the entire class. Assignments are prepared for use in a senior art portfolio. Students explore landscapes, portraits, still-life, and abstractions with a variety of media and subjects. An examination of historical artwork, gallery visits and visiting artists will correspond to assignments. Note: Visual Arts Magnet course</p>
<p><b>Visual Art 4 (#48140011)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Successful completion of Visual Art III or Instructor recommendation.  This is the advanced course in art in which the student works on student-/Instructor-planned and individually selected problems to develop art and craft products that reflect the interest and talent of the individual. Experiences in art history, cultural heritage, analysis of form, aesthetics—which complement the studio experience—are integral parts of the course. The student in Visual Art IV is expected to complete a portfolio of artwork that reflects refined skills and post-high school direction.</p>

<p><b>Printmaking 2 (#48142111)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Textiles and Printmaking I  This is a yearlong course exploring in depth experiences in the four basic methods of graphic images: relief, lithography, intaglio, and silk screen. Experimental techniques in making printed images are introduced. During the class, students will respond to their own artworks, and that of others. The student and Instructor collaborate in choosing assignments. The class projects are individually selected to the student's needs. Note: Visual Arts Magnet course</p>
<p><b>Textiles (#48142511)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Textiles and Printmaking  This is a yearlong course extending the Textiles I experience in surface design and fiber construction. The student and Instructor collaborate in choosing assignments. Products reflect individual interests, talents, and facets of textile exploration. Students learn to respond to products of their own and others in written and oral critiques. A study of the historical, cultural, and geographical aspects of textiles is included. Textiles II products enhance student's senior visual art portfolio. Note: Visual Arts Magnet Course</p>
<p><b>Advanced Placement Studio 2-D Design Portfolio (#48144361)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Successful completion of AP Studio Drawing course and Instructor approval.  This course follows the curriculum established by the College Board in preparing a portfolio of artwork that may include works in a variety of art forms that emphasizes quality, depth and breadth in 2-D design problems. Student portfolios are required for completion and should be submitted to the College Board for college credit. Six original art works are sent along with 20+ works in slide form. Note: Visual Arts Magnet 4<sup>th</sup> year course.  College level curriculum taught in a high school setting</p>
<p><b>Advanced Studio 3-D Design Portfolio (#48144461)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): completion of Visual Art I and above, 3D Art, Instructor Approval  This course follows the curriculum established by the College Board in preparing a portfolio of artwork that may include works in a variety of art forms that emphasizes quality, depth and breadth in 3-D design problems. All work is submitted in slide form. Student portfolios are required for completion and should be submitted to the College Board for college credit. Note: Visual Arts Magnet Course</p>

<b>YOUTH PERFORMING ART SCHOOL - DANCE</b>
<p><b>Ballet 1, 2, 3, &amp; 4 (#48417011, #48427011, #48437011, #48447011)</b> <span style="float: right;">Grade level: 9 -12</span>  Prerequisite(s): audition  Introduces and develops fundamentals through advanced ballet technique and terminology over a four year period. Students must be Dance Majors in the YPAS Dance Department. Assessment is based on work habits, attitude, effort, adherence to departmental rules and regulations, and technical and artistic progress. Professionalism is stressed. The introduction of pointe work is the gradual development of comprehensive training and will be permitted at the discretion of the faculty.</p>
<p><b>Modern/Jazz Level 1, 2, 3, &amp; 4 (#48417111, #48427111, #48437111, #48447111)</b> <span style="float: right;">Grade level: 9 -12</span>  Prerequisite(s): audition  These courses offer, over a four year period, instruction in fundamental through advanced modern dance technique emphasizing the progression, awareness, and development of the body in motion, space, time, and energy. Students must audition and be accepted into the YPAS Dance Majors program. Assessment is based on work habits, attitude, effort, adherence to departmental rules and regulations, and technical and artistic progress. Professionalism is stressed.</p>

<p><b>Fundamentals of Dance I (#48418911)</b> <span style="float: right;">Grade level: 9-12</span>  Prerequisite(s): None  This course instructs students in basic dance movement skills to increase body awareness, enhance self-image, improve physical fitness and develop personal expression potential. Students will learn fundamental techniques in 6 week periods of study in Yoga, Ballroom and Folk, modern dance/dance history, Aerobics and Conditioning, African dance and culture, Jazz, dance composition and improvisation. Students should expect to challenge themselves physically every class. Students are graded on dress code for dance, class participation, effort and attitude. Note: Open to all Manual/YPAS students. <u>This course fulfills the required physical education credit for graduation.</u></p>
<p><b>Fundamentals of Dance I for Musical Theatre Majors (#48418913)</b> <span style="float: right;">Grade level: 9 - 12</span>  Prerequisite(s): Successful audition into the Musical Theatre Program  This course instructs students in basic dance movement skills to increase body awareness, enhance self-image, improve physical fitness and develop personal expression potential. Students will learn fundamental techniques in 6 week periods of study in Yoga, Ballroom and Folk, modern dance/dance history, Aerobics and Conditioning, African dance and culture, Jazz, dance composition and improvisation. Students should expect to challenge themselves physically every class. Students are graded on dress code for dance, class participation, effort and attitude. Note: Open to all Manual/YPAS students. <u>This course fulfills the required physical education credit for graduation.</u></p>
<p><b>Advanced Dance Techniques for Non-Majors (#48439013)</b> <span style="float: right;">Grade level: 9-12</span>  Prerequisite(s): FOD I or any FOD II elective, Instructor approval, and audition.  This course is designed for the student of any Manual or YPAS major. This class is a next step class for students fulfilling the FOD I class, any of the FOD II classes or taking other dance classes outside of Manual/YPAS, who want a more technically challenging dance elective. The class will focus on jazz, modern and ballet technique. Students should expect to dress out in proper dance attire and dance shoes and physically challenge themselves in each class. Students are graded on attendance, dress code for dance class, class participation, effort, attitude and progress. Note: Open to all Manual/ YPAS students. There are separate levels for majors and non-majors.</p>
<p><b>Advanced Dance Techniques 1 for Dance Majors (#48439011)</b> <span style="float: right;">Grade level: 9-12</span>  Prerequisite(s): FOD I or any FOD II elective, Instructor approval, and audition.  This course is designed for the student of any Manual or YPAS major. This class is a next step class for students fulfilling the FOD I class, any of the FOD II classes or taking other dance classes outside of Manual/YPAS, who want a more technically challenging dance elective. The class will focus on jazz, modern and ballet technique. Students should expect to dress out in proper dance attire and dance shoes and physically challenge themselves in each class. Students are graded on attendance, dress code for dance class, class participation, effort, attitude and progress. Note: Open to all Manual/ YPAS students. There are separate levels for majors and non-majors.</p>
<p><b>Advanced Dance Techniques 2 for Dance Majors (#48449021)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Advanced Dance Techniques 1 or Instructor Approval  The course continues to reinforce the concepts of proper body alignment from the ground up that result in the further development of aesthetic body lines, mastery of movement technique and dynamic expression using the whole body. The class will focus on Ballet, Jazz, Modern, Rhythmic and esoteric theatrical styles, as well as vocalization, musicality and character work inherent within the vernacular of American Musical Theatre. The students will be introduced to the original choreographic styles of such masters as Jerome Robbins, Michael Bennett, Bob Fosse, Donald McKayle, Gower Champion, Tommy Tune, Susan Stroman and numerous others. The student will gain an historical perspective of the evolution of Western artistic dance along with an appreciation of the inter-relatedness of Music, Art, Choreography and Theatre. It is a technique driven course with emphasis on developing each student's physical and performance skills.</p>
<p><b>Body Conditioning Performing Arts - (#48429211)</b> <span style="float: right;">Grade level: 9-12</span>  Prerequisite(s): None  This course focuses on strengthening and conditioning the body through high and low impact aerobics, hand weights, resistance bands and stability ball work. Students should expect to physically challenge themselves in each class. Students are graded on dress code for dance, class participation, effort and attitude. Note: Open to all Manual / YPAS students.</p>

<p><b>Dance Ensemble 2, 3, &amp; 4 (#48428011, #48438011, #48448011)</b> Grade level: 10 -12  Prerequisite(s): Enrollment is open only to sophomores, juniors, and senior YPAS dance majors by audition. Students selected for the Dance Ensemble must sign a contract giving a commitment to all dance ensemble rehearsals and performances both during and after school hours. Dance Ensemble II, III, IV are designed to develop skills in teaching, performing, and choreography. Enrollment is open only to sophomore, junior, and senior YPAS dance majors who choose the Dance Ensemble Performance Track. All rehearsals for Dance Concert, Dance Ensemble touring company performances, and any other performing venues are done in this class.</p>
<p><b>Beginning Tap Dance I (#48429111)</b> Grade level: 9-10  Prerequisite(s): None  Materials required: Dance clothes and Tap shoes.  No previous dance experience required. Students learn the use of the whole body within the genre of the American Jazz/Tap tradition including body alignment, strength and flexibility, endurance, coordination, use of the natural breath, and musicality/rhythm expressed through total body movement. In addition, students will learn the fundamental vocabulary of dance, understand the fundamental principles of choreography, learn the basic elements of improvisational dance, and study the historical/cultural context of American Jazz/Tap Dance. Throughout the course the elements of dance performance, class decorum, rehearsal techniques, stage presence, and responsibility/commitment to fellow performers are emphasized. Students will also be required to participate in several performances that demonstrate their skill development throughout the year.</p>
<p><b>Intermediate Tap Dance 2 (#48439111)</b> Grade level: 10 -11  Prerequisite(s): Tap Dance I or Instructor approval.  Materials: Dance clothes and Tap shoes  Students learn intermediate level techniques of whole body movement: body alignment, strength and flexibility, endurance, coordination, breathing. In addition, students learn: intermediate level vocabulary of American Jazz/Tap; more advanced skills of improvisational tap dance; a cappella rhythm games and more complex polyrhythmic steps as well as how to create their own basic Tap choreography using Space, Time, Force, Form and Theme and Development. The course emphasizes the historical development of American Jazz/Tap and teaches a variety of styles from the earliest to current day masters. Students will learn to perform diverse Tap routines throughout the year and will be required to perform them in informal settings.</p>
<p><b>Advanced Tap Dance 3 (#48449111)</b> Grade level: 11 -12  Prerequisite(s): Tap Dance I, Tap Dance II, or Instructor approval.  Materials: Dance clothes and Tap shoes  Students learn advanced techniques of whole body movement: body alignment, strength and flexibility, endurance, coordination, breathing and virtuosity. In addition, students learn advanced vocabulary of American Jazz/Tap, develop a sense of personal style, master advanced skills of improvisational tap dance, and learn to create spontaneous Tap choreography arising from improvisational exercises and collaboration with and without musical accompaniment. Throughout the course students study the historical development of American Jazz/Tap in conjunction with other dance forms. Students will create and perform a dance of their own original tap choreography in informal settings.</p>
<p><b>YOUTH PERFORMING ART SCHOOL - MUSIC</b></p> <p><b>Intermediate Band Skills Development (#48310111)</b> Grade level: 9  Prerequisite(s): audition.  This course emphasizes the learning of music fundamentals while building the advanced sight-reading skills necessary to learn literature of high artistic merit in a short period of time. Students will focus on technical development and the practical application of musical knowledge while strengthening natural talents and retraining any poor habits. The mastery of all scales the full range of the instrument, memorization of numerous rhythm patterns, advanced articulation skills, and tone quality refinement will be stressed with each individual musician. Also addressed will be topics dealing with the development and use of vibrato, knowledge of professional performers and repertoire for each instrument, introduction to basic music history and theory concepts, and, the development of a musical terminology vocabulary. This course, taught in this manner, is available only at the Youth Performing Arts School.</p>

<p><b>Chamber Ensemble 1, 2, 3, &amp; 4 (#48310211, #48320211, #48330211, #48340211)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>These courses offer the student an opportunity to explore their solo and small ensemble repertoire more extensively. It also provides an environment which fosters individual growth in confidence, independence, personality, productive interaction with peers, collaborative skills, personal responsibility to a group, aesthetics, ear training, responsive listening skills, interpretive skills, giving and receiving criticism, and the historical perspectives of the literature for their instrument. Emphasis is placed on developing mature rehearsal and time management skills while allowing the freedom for students to work up and develop performance presentations on their own with guidance from the instructor. This class also serves as a pool of students who are assigned to the brass and woodwind sections of the YPAS Philharmonia Full Orchestra. If assigned to the full orchestra, students will follow the curriculum for orchestra instead of the chamber ensemble curriculum.</p>
<p><b>Percussion Ensemble/Intermediate Percussion 1, 2, 3, &amp; 4 (#48310311, #48320311, #48330311, #48340311)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>These courses emphasize continued technical training, rehearsal, and performance of literature for percussion ensemble. Emphasis is placed on the reading, study, and performance of quality literature and transcriptions while continuing to reinforce those technical and personal skills gained from private lessons and intermediate skills development. The student will gain familiarity with the standard percussion ensemble literature, and, over a four-year period, be exposed to many of the major works of the percussion ensemble repertoire. Students will practice the application of performance skills by performing a solo senior recital. Outside rehearsal time will be required at certain times during the year in preparation for special performances at regional and national music education conferences and festivals. Freshmen percussionists will learn the curriculum of the intermediate skills development class concurrently with ensemble skills development. Students will perform in at least one school concert during the year and perhaps present a concert at a regional or national music conference.</p>
<p><b>Symphonic Band 1, 2, 3, &amp; 4 (#48310411, #48320411, #48330411, #48340411)</b> Grade level: 9 - 12</p> <p>Prerequisite(s): audition</p> <p>These courses emphasize continued technical training, rehearsal, and performance of literature written for the large wind and percussion ensemble. Emphasis is placed on the reading, study, and performance of quality original band literature and transcriptions of high artistic merit while continuing to reinforce those technical and personal skills gained from study in the intermediate band. The student will gain familiarity with the standard band literature, and, over a period of four years, be exposed to most of the major works of the concert band repertoire. The student will perform in at least four school concerts and two regional and national music festivals during the year.</p>
<p><b>Wind Ensemble 1, 2, 3, &amp; 4 (#48310511, #48320511, #48330511, #48340511)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>These courses provide the necessary program, climate, and structure to motivate the advanced wind and percussion student to achieve according to their unique learning patterns and to encourage maximum progress for the individual. This course places great emphasis on the reading and performance of high level and more sophisticated band literature comparable to that which would be studied at the university level. As compared with Symphonic Band, this course differs in the following ways: (1) greater emphasis on scale development (2) greater responsibility of the individual performer to perfect their part (3) more difficult literature either technically, intellectually, musically, or combinations of the above (4) the formation of small chamber ensembles in the form of quartets and quintets which rehearse on a regular basis (5) active participation in the pit orchestra for musicals and ballets (6) more stringent monitoring of solo and small ensemble repertoire development (7) performance in a public senior recital (8) students serve as a pool of performers from which to perform works with unusual instrumentation different from the regular band instrumentation. The student will perform in at least four school concerts and two regional and national music festivals during the year.</p>
<p><b>Jazz Improvisation 1, 2, 3, &amp; 4 (#48310711, #48320711, #48330711, #48340711)</b> Grade level: 10 -12</p> <p>Prerequisite(s): Instructor interview and Permission</p> <p>These courses have the primary goal of providing students with a thorough technical, conceptual, and historical grasp of jazz improvisation through a comprehensive curricular structure. The student will study the necessary and appropriate scales and chords to use when improvising on a given set of chord changes. They will also study the proper stylistic interpretations by visually and aurally analyzing the solos of great jazz masters. Emphasis is placed on the technical aspects of chord/scale knowledge, typical patterns used by jazz masters, creativity, and instrumental technique to develop the ability to solo in all styles. The course will reach back to the roots of jazz to help students master techniques vital to jazz and commercial music.</p>

<p><b>Marching/Pep Band 1, 2, 3, &amp; 4 (#48310811, #48320811, #48330811, #48340811)</b> Grade level: 9 -12</p> <p>Prerequisite(s): Instructor Approval</p> <p>Note: Offered for one-half credit during the fall semester only.</p> <p>Marching/Pep Band I, II, III, IV are a fifth period course offered to students who want to participate in a non-competitive marching band that meets after school two days a week immediately after school. Although, the band is non-competitive, there will be opportunities to perform in exhibition at marching band competitions throughout Kentucky and Indiana. The "Crimson Sound" marching band will perform two different themed shows that are both "Crowd Pleasing" and extremely challenging musically. Musical selections will vary from Broadway, Funk, Jazz, Television/Movie Themes, and Classical genres. Many of the concepts and philosophies used by the band are based on what many college marching bands incorporate into their marching band programs. The grade for this class is determined by attendance to rehearsals and performances. Students must attend a two-week band camp and other rehearsals during late July and early August.</p> <p>Note: Students involved in director approved academic camps such as Interlochen, Governor School for the Arts, and the Governor Scholar's program may be excused from conflicting camp rehearsals. Students must also attend approximately six home football games (including the first playoff game) and participate in all scheduled parades and competitions on weekends. Every other year there is a trip to perform in Orlando, Florida or other similar venue. There is an additional fee for this class to fund band camp expenses, specialized instructional staff, arrangements, and drill design, bus transportation to events, equipment, and uniforms. Note: There will be many fundraising opportunities to pay for these fees thanks to the Manual Band Boosters Association.</p>	
<p><b>YPAS String Techniques 1, 2, 3, &amp; 4 (#48311111, #48321111, #48331111, #48341111)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>YPAS String Techniques I, II, III, IV are designed for YPAS orchestra majors and double majors in their first year of the program. The class will focus on orchestral repertoire and knowledge, style of different eras of music as it applies to string technique, sight reading, listening skills, understanding and interpreting scores, chamber music, and fundamental music theory and history. The course will additionally focus on developing strong string technique through a sequence of scales, etudes, orchestral and chamber literature. Performances include a chamber music recital, usually held in March.</p>	
<p><b>YPAS Chamber String Orchestra 1, 2, 3, &amp; 4 (#48311311, #48321311, #48331311, #48341311)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition and/or Instructor Approval</p> <p>YPAS Chamber String Orchestra I, II, III, IV are designed for YPAS orchestra majors and double majors who are in their second year of the program and beyond. The class will focus on broadening students' knowledge and experience in the orchestral repertoire, highly advanced string technique, sight reading, listening skills, understanding and interpreting scores, chamber music, and advanced music theory and history. Performances include a joint concert with the Philharmonia in the fall and a chamber music recital in the spring. The Chamber Orchestra also serves as the pit orchestra for YPAS musicals.</p>	
<p><b>YPAS Philharmonia Orchestra 1, 2, 3, &amp; 4 (#48311411, #48321411, #48331411, #48341411)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>YPAS Philharmonia Orchestra I, II, III, and IV are for YPAS orchestra majors and double majors, as well as very advanced Manual orchestra students. The class will also feature some of the advanced woodwind, brass, and percussion students at YPAS on some of the performances. The main performing orchestra at YPAS, the Philharmonia has a distinguished reputation as being one of the finest high school orchestras in the nation. Performances have included appearances at the Midwest Band and Orchestra Clinic, Music Educators National Conference (MENC) and American String Instructors Association (ASTA) conventions, Carnegie Hall, the Orchestra America National Festival, and the National Public Radio show, "From the Top". The focus of this class will be on advanced string technique, superior intonation and rhythm, bow technique, mature interpretation and style, ensemble and listening skills, and advanced concepts of orchestral sound and color, as well as advanced music theory and history. A variety of string and full orchestra literature will be studied and performed. Performances will include on-campus and off-site concerts, an adjudicated performance at the KMEA Orchestra Festival in March, and other possible collaborations. There will be additional rehearsals, sectionals, and master classes scheduled from time to time after school, and students are expected to attend as part of their participation and/or concert grade.</p>	

<p><b>Manual Concert Orchestra 1, 2, 3, &amp; 4 (#48313311, #48323311, #48333311, #48343311)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>Manual Concert Orchestra I, II, III, IV is for advanced Manual string students and some YPAS string majors. The focus of this class is on more advanced string technique (bow strokes, position work, etc.), intonation, rhythm, style and interpretation, and tone quality and expression, with an emphasis on orchestral knowledge, skills, and repertoire, and a continued growth in music theory and history. A variety of string orchestra music will be studied and performed. Performances will include concerts near the end of each semester, as well as an adjudicated performance at the KMEA Orchestra Festival in March. Concert Orchestra may occasionally combine with Philharmonia and/or Sinfonia, as well as other YPAS ensembles such as the chorus or band.</p>
<p><b>Conducting (#48311711)</b> Grade level: 11 - 12</p> <p>Prerequisite: YPAS Band, Orchestra, Piano, or Vocal Junior or Senior Level and Instructor Approval</p> <p>This conducting course will be designed for junior and senior level YPAS majors (in the areas of instrumental music, vocal music, and piano) to learn conducting technique, rehearsal technique, group dynamics/psychology, score study, and to build a solid foundation of music history and theory as it relates to the repertoire studied and to successfully conduct an orchestra, band or chorus.</p>
<p><b>Vocal Development 1, 2, 3, &amp; 4 (#48312111, #48312111, #48332111, #48342111)</b> Grade level: 9 – 12</p> <p>Prerequisite(s): Successful audition into the vocal program.</p> <p>This course is an entry-level instruction in music fundamentals, music reading, vocal technique, and repertoire. Maximum individual instruction time is provided. Art songs and specially selected ensemble literature are used. Some out-of-school rehearsals and performance time are required.</p>
<p><b>Ladies Ensemble 1, 2, 3, &amp; 4 (#48312211, #48322211, #48332211, #48342211)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>These courses explore SA, SSA, and SSAA choral literature of various periods and styles with a student group that demonstrates proficiency in reading music. Instruction emphasizes advanced choral techniques of accurate intonation, tone production, diction, and interpretation. Satisfactory completion of the course requires participation at performances.</p>
<p><b>Men's Ensemble 1, 2, 3, &amp; 4 (#48312311, #48322311, #48332311, #48342311)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>These courses explore TB, TTB, and TTBB choral literature of various periods and styles with a student group that demonstrates proficiency in reading music. Instruction emphasizes advanced choral techniques of accurate intonation, tone production, diction, and interpretation. Satisfactory completion of the course requires participation at performances.</p>
<p><b>Chamber Choir 1, 2, 3, &amp; 4 (#48312411, #48322411, #48332411, #48342411)</b> Grade level: 10 -12</p> <p>Prerequisite(s): audition and/or Instructor Approval</p> <p>These courses are designed to develop in the student the highest degree of accomplishment of vocal performance; to inspire extraordinary dedication to the art form so that the student may realize his/her potential as a young artist; to provide mastery of skills necessary to become a professional musician; and to prepare the student for college auditions.</p>
<p><b>Concert Choir 1, 2, 3, &amp; 4 (#48312511, #48322511, #48332511, #48342511)</b> Grade level: 9 -12</p> <p>Prerequisite(s): audition</p> <p>These courses explore choral literature of various periods and styles with a student group that demonstrates proficiency in reading music. Instruction emphasizes advanced choral techniques of accurate intonation, tone production, diction, and interpretation. Satisfactory completion of the course requires participation at performances.</p>

<p><b>Guitar 1, 2, 3, &amp; 4 (#48318911, #48329011, #48339011, #48349011)</b> <span style="float: right;">Grade level: 9 -12</span></p> <p>Prerequisite(s): audition</p> <p>This course provides an environment for students from beginning to intermediate levels to improve their guitar playing in any style. Through sound, methodical, daily practice, regular class attendance, and well-practiced assignments, students will master the basic concepts of the guitar. Using a variety of styles, the class will address chord accompaniment patterns, ensemble playing, and customized plans to develop the individual student's guitar knowledge and appreciation. Class guitar is designed to establish a firm and comprehensive knowledge of the guitar as an accompanying instrument. This course may enhance any pre-existing ability on the guitar, while providing essential rudiments for further study as a guitar performance major. Learning outcomes include the ability to read single line melodies and acquiring a repertoire of chords. These chords will be used with strumming techniques (Plectrum Style) as well as with various right hand finger patterns (Classical/Finger Style) as song accompaniments in a variety of styles. Class Guitar II includes a significant solo and ensemble repertoire component derived from the Western Art Music and Classical Guitar traditions. In addition, students will continue to develop their technique and musicianship through structured and disciplined practice. Students will learn to read polyphonic music, develop ensemble skills, and perform in both large and small ensembles and as a soloist. Students must provide their own acoustic guitar with new steel or nylon strings, a metronome, tuner or tuning fork, manuscript paper, foot-stool, guitar strap or support, picks, required texts, and pencils.</p>	
<p><b>Piano Keyboard I (#48316111)</b> <span style="float: right;">Grade level: 9 -12</span></p> <p>Prerequisite(s): None</p> <p>This course introduces the study of basic keyboarding skills that will help the students to experience music in a meaningful way. In addition, students learn to use the concepts and techniques of music theory and relate those to their keyboard training. Students will also harmonic, melodic, and rhythmic concepts, and they will learn all the basic fundamentals at the piano. This course is designed to meet the needs of a high school student who wants to experience music and have fun with the instrument.</p>	
<p><b>Intermediate Piano</b> <span style="float: right;">Grade level: 9-12</span></p> <p>Prerequisite(s): Keyboard Lab/audition/Instructor approval</p> <p>Intermediate Piano I, II, III, IV are courses that provide continuing instruction for students who have completed beginning Keyboard Lab. This class will also allow for placement of other Manual/YPAS students who have had some previous piano experience. Content will include basic keyboard theory (scales, chords, etc.), solo repertoire, introduction to music history, and performance skills. Assessment of content knowledge and mastery of keyboard skills will take the form of keyboard assignments, written and oral exams, and other special projects as assigned. Students will establish individual baseline skill levels and grading will be determined according to individual progress and effort.</p>	
<p><b>Applied Piano 1 (#48316211)</b> <span style="float: right;">Grade level: 9- 10</span></p> <p>Prerequisite(s): audition</p> <p>This course offers entry-level instruction in piano technique, practice habits, organizational skills, keyboard theory, sight-reading, and performance. Students are expected to develop a personal discipline, including maintenance of a regular practice schedule.</p>	
<p><b>Applied Piano 2 (#48326211)</b> <span style="float: right;">Grade level: 9 - 10</span></p> <p>Prerequisite(s): Applied Piano I</p> <p>This course reinforces and continues the development of technical skills, keyboard theory, sight-reading, and recital performance. Basic analysis of musical form and style will be introduced and practically applied.</p>	
<p><b>Applied Piano 3 &amp; 4 (#48336211, #48346211)</b> <span style="float: right;">Grade level: 11-12</span></p> <p>Prerequisite(s): Piano I and II</p> <p>Applied Piano III and IV offers expansion, refinement, and practical application of previously acquired skills, with emphasis on the study and performance of piano literature of all major historical periods. Opportunities for accompanying and large ensemble (orchestra, band, wind ensemble, pit orchestra) participation will be available based on Instructor recommendation.</p>	

<p><b>Music Theory I (#48347111)</b> <span style="float: right;">Grade level: 10 -12</span>  Prerequisite(s): None  This course introduces the study of basic music theory and traditional harmony that the students studied will need in order to advance to AP Music Theory II. In addition, students learn to use the concepts and techniques of the composers from the seventeenth through the nineteenth centuries in their own compositions. Students will also study sight singing, harmonic, melodic, and rhythmic dictation, and they will learn basic fundamentals at the piano. This course is designed to meet the needs of the serious high school musician who will want to continue his musical career at the college level. The students will receive instruction in four related areas including: written harmony, keyboard harmony, sight singing, and ear training.</p>
<p><b>Advanced Placement Music Theory (#48357161)</b> <span style="float: right;">Grade level: 11 - 12</span>  Prerequisite(s): Music Theory I class or being able to demonstrate equivalent skills in an interview with the AP Music Theory Instructor. Note: College level curriculum taught in a high school setting.  This course is designed to meet the needs of students considering music for serious study after high school and includes instruction in four related areas: (1) written harmony (2) keyboard harmony (3) ear training (4) sight singing. This course concentrates on the learning techniques of the classic European composers of the seventeenth to nineteenth centuries. The class includes a comprehensive survey of the harmonic materials used in these historical periods. Also, practical application of these materials takes the form of daily homework assignments solving traditional figured bass four part writing exercises, basic arranging, and, analysis techniques. Additional exercises in ear training concentrate on the areas of melodic, harmonic, and rhythmic dictations and analysis. Sight singing exercises correlate with the written and ear training material extending into the use of both major and minor key centers and elementary chromaticism. Near the end of the second semester, students will produce an original composition in the 18th century style using the techniques learned from the class. They will compose, arrange, and record their composition as a culminating project. At the conclusion of the course, students will take the Advanced Placement Music Theory examination for an additional fee. According to the final score and whether a particular college accepts advanced placement credit, the student may be allowed to bypass Theory I and/or Theory II classes in college. Since the AP test in Music Theory was introduced by the Advanced Placement College Board, 100% of all YPAS students that have taken the test have passed - most often with the highest scores. Note: It is recommended that students wait until their senior year to take this course so they do not lose their skills prior to entrance to college.</p>
<p><b>YOUTH PERFORMING ART SCHOOL - THEATER/DESIGN &amp; PRODUCTION</b></p> <p><b>Exploring Theatre (#48512211)</b> <span style="float: right;">Grade level: 9 -12</span>  Prerequisite(s): None  This course is an introductory course designed to increase students' understanding, appreciation, and critical perceptions of the theatre. Course content is based on the idea that a love for and knowledge of the theatre--whether as an active participant, a reader of good plays, or simply as a member of a theatre audience--is a significant means of enriching an individual's life. Lectures, discussions, and other course activities will center, generally, on three areas: (1) the significance of theatre; (2) aspects of theatre production; and (3) the history, structure and forms of drama. Every effort will be made to develop these topics primarily in terms of their importance to the individual audience member's understanding; however, there will also be a performance component to this course and active participation in class discussions is required. The student will be asked to step out of his/her comfort zone and participate in the class as an actor, director, designer and/or playwright.</p>
<p><b>Exploring Theatre for Musical Theatre Majors (#48512213)</b> <span style="float: right;">Grade level: 9</span>  Prerequisite(s): Successful audition into the Musical Theatre Program  This course is an introductory course designed to increase students' understanding, appreciation, and critical perceptions of the theatre. Course content is based on the idea that a love for and knowledge of the theatre--whether as an active participant, a reader of good plays, or simply as a member of a theatre audience--is a significant means of enriching an individual's life. Lectures, discussions, and other course activities will center, generally, on three areas: (1) the significance of theatre; (2) aspects of theatre production; and (3) the history, structure and forms of drama. Every effort will be made to develop these topics primarily in terms of their importance to the individual audience member's understanding; however, there will also be a performance component to this course and active participation in class discussions is required. The student will be asked to step out of his/her comfort zone and participate in the class as an actor, director, designer and/or playwright.</p>

<p><b>Theatre I (#48510211)</b> <span style="float: right;">Grade level: 9</span>  Prerequisite(s): audition  This course is an introductory theatre course designed to familiarize the student with all aspects of theatre. The course will explore and strengthen areas essential to proper actor development including physical/vocal relaxation, strength and flexibility, alignment, focus/concentration, imagination, and observation. In addition, the International Phonetic Alphabet (IPA) will be introduced. At the introductory level, IPA helps to eliminate obtrusive dialect traits and to achieve Standard American Pronunciation. Additionally, students will study the history of theatre.</p>
<p><b>Theatre 2 (#48520211)</b> <span style="float: right;">Grade level: 10</span>  Prerequisite(s): Theatre I  This course focuses on actor movement and vocal training. The course builds on previously learned skills and introduces additional vocal and movement techniques essential to actor training and development. We will explore and strengthen physical/vocal relaxation, strength and flexibility, focus/concentration, observation, and characterization. In addition, the second part of the International Phonetic Alphabet (IPA) will be taught in order to help eliminate obtrusive dialect traits, achieve Standard American Pronunciation and provide the student with the necessary tools to achieve authentic, intelligible and consistent speech. Resume preparation and audition techniques will be explored as time permits.</p>
<p><b>Theatre 3 &amp; 4 (#48530211, #48540211)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite(s): Theatre I and II  This course builds upon previously learned movement and vocal techniques necessary for the art of acting. This course component focuses primarily on acting in Modern Realism (including modern realistic comedy) and Anti-Realistic Theatre. Exploration of acting in modern realism will include but not be limited to the following playwrights: Ibsen, Chekhov, Miller, Norman, O'Neill and Simon. There will also be a section on the analysis of Shakespeare's King Lear using Stanislavski based techniques. These courses include self-discovery and explore and develop areas essential to good acting including physical/vocal relaxation, strength and flexibility, concentration, imagination, observation, justification, and spontaneity.</p>
<p><b>Fundamentals of Directing/Stage Production 2, 3, &amp; 4 (#48522511, #48532511, #48542511)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisite(s): Instructor Approval  Note: The class requirements include direction of a one-act play and two New Works pieces to be performed in the spring. These are practical courses designed to introduce students to the basic concepts and practices of directing drama and comedy within the style of Realism. Class content will include but not be limited to the following: readings from the assigned text and selected articles from Theatrical Publications, lectures/discussions focused on the history of the director in theatre, dramatic imagination, commanding image, creative process, rehearsal process, stage management, the design team, script selection and play script interpretation. In addition, professional directors will be invited to the class to discuss their process. Rehearsals will be a weekly, if not a daily, part of class. Lab exercises on professional attitude, behavior, trust, give and take, and the proper running of technical and dress. Each student is responsible for directing at least one New Works piece in the spring semester. Students repeating the course will be considered for Advanced Directing/Stage Production. Taught simultaneously, this more advanced approach to the class is designed to review and build upon learned material from the Directing Fundamentals course and to increase the student's understanding of directing a variety of different forms of dramatic literature. The class will include analysis and direction of Classical Greek, Renaissance, Commedia, French Neo-Classical, Contemporary and/or Avant-garde theatre styles.</p>
<p><b>Playwriting I (#48521211)</b> <span style="float: right;">Grade level: 10-12</span>  Prerequisite(s): Instructor approval.  This course requires each student to learn the following basic principals: a standard format acceptable to a professional playhouse, essentials for a play's beginning, middle, and end, discovery of what issues each student values that should speak to an audience and, exploration of their own life for writing ideas. Each student shall attempt several writing prompts that they make into short ten-minute plays using no more than three characters. Each student will grow with a regular read-through of his/her writings and choose one of their plays to be presented in the annual New Works Festival in the spring.</p>

<p><b>Playwriting 2 (#48531211)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite(s): Playwriting I  In this class students prepare plays that have more complex characters and events. Plays composed may be as long as twenty minutes in length. The student playwright will have several conferences with the Instructor to discuss the progress of their work. Students will choose one of their plays to be produced at the annual New Works Festival. Students will also be encouraged to submit entries into several writing contests.</p>
<p><b>Playwriting 3 (#48541211)</b> <span style="float: right;">Grade level: 12</span>  Prerequisite(s): Playwriting I &amp; II  In this class researched plays are particularly encouraged. Students may propose more of their playwriting projects. Plays written can be up to thirty minutes in length. Students are encouraged to enter several writing contests. Students will also analyze the playwriting style of two or three playwrights and attempt writing in that style.</p>
<p><b>Musical Theatre Lab 2, 3, &amp; 4 (#48521511, #48531511, #48541511)</b> <span style="float: right;">Grade level: 10 -12</span>  Pre-requisite(s): Some training in Dance, Vocal or Instrumental Music and/or Acting is encouraged. Required course for sophomore Musical Theatre Majors. Also open to all non-majors by audition.  The course follows an integrated development of fundamental skills for the performer as a singer, dancer, and actor. The Dance portion covers the basic of theatre dance and tap technique; the Music portion covers the skills necessary for sight singing/reading and music theory as well as ensemble and solo singing; the Theatre portion covers the basic of ensemble acting and character development. This course is a pre-cursor for the demanding Musical Theatre curriculum that follows in years three and four of the Musical Theatre Major.</p>
<p><b>American Musical Theatre 2, 3, &amp; 4 (#48521011, #48531011, #48541011)</b> <span style="float: right;">Grade level: 11-12</span>  Prerequisite(s): audition or preparatory Musical Theatre Lab Class (see below)  These classes are part of a 2 year minor...or four year major in 2009-2010) The student studies Dance (ballet, jazz, modern, tap and multiple theatre dance styles), Ensemble and Solo Singing, Music Theory, Acting and Theatre History. Students will also learn professional rehearsals techniques, proper theatre etiquette, and how to perform in diverse theatrical venues. There will also be opportunities to participate in the Design and Production aspects of Theatre. Examples would include stage management, set and costume construction, hair and makeup design. It is a technique driven curriculum taught by multiple YPAS faculty specialists with emphasis on developing each student's individual performance skills.</p>
<p><b>Design and Production 1, 2, 3, &amp; 4 (#48510311, #48520311, #48530311, #48540311)</b> <span style="float: right;">Grade level: 9 -12</span>  Prerequisite(s): audition  These courses involve the academic study of historical and modern theatre production methods. The course includes theatrical drafting; the design and execution of scenery, lighting, costumes, sound, safety regulations, and resume/portfolio preparation. After school laboratories, rehearsals, and performances are required and provide practical experience. In Level 1 students concentrate on scenic construction techniques, costume construction and stage electricity. In Level 2, emphasis is placed on costume history, stage sound, property construction and paint techniques. In Level 3 students concentrate on stage drafting, both script and character analysis and rendering. Finally, in Level 4, students work on independent projects such as designing scenery, costumes, and/or lighting for various YPAS productions and internships with local theaters.</p>
<p><b>Stagecraft for Majors - Production Laboratory 1, 2, 3, &amp; 4 (#48510511, #48520511, #48530511, #48540511)</b> <span style="float: right;">Grade level: 9 -12</span>  Prerequisite(s): YPAS Design and Production Majors or instructor approval.  Co-requisite: Enrollment in Design and Production I, II, III, or IV.  These courses provide invaluable "hands-on" experience in a <u>mandatory</u> "laboratory" class that meets after the traditional school day. After-school laboratories, rehearsals, and performances provide practical experience. Scenery, Costumes, and Lighting for the major YPAS productions are created during this class time. Note: Normal hours for this class are 2:30-5:30 P.M.; the class usually meets five days per week. Schedules of specific times and dates are always provided.</p>

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