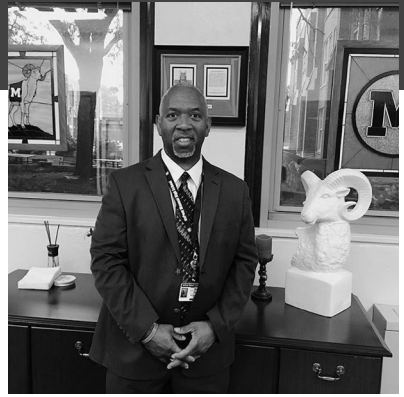


Scheduling
Guide
2019-2020

Letter from Principal

Dear Crimsons,

Do you remember when you applied to Manual? Do you remember thinking how by attending this school you would be separating yourself from "the crowd"? It's all about choices. It's that time of the year again where you have to decide 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 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. It is a time of academic and personal challenge, as well as, a time to make important decisions about your future plans. Carefully examine the course offerings listed inside this guide. The courses you decide



upon today will prepare you for opportunities for tomorrow.

The opportunities available to the Manual/YPAS student are limitless. As always, our counselors will be available to answer any questions or concerns you may have during the process and you can find all the scheduling information on the Counseling Website.

Go Rams!

Darryl Farmer, Principal

Scheduling

This schedule guide has been developed to help you determine the best options in reaching your goals. 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 & 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 help guide you.

Scheduling Instructions

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 the student. 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). 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 form.

6. Upperclassman must submit their requests on-line through the Infinite Campus Portal. Instructions will be given at the time of scheduling.

Social Media

duPont Manual School Website:
www.dupontmanual.com



Counseling Website:
<https://www.dupontmanualcounseling.com/>

School's Twitter Account:
[@duPontManual](https://twitter.com/duPontManual)



Guidance Office Account:
[@dmhsguidance](https://twitter.com/dmhsguidance)

Graduation Requirements

English/Language Arts English I, II, III, IV. Language Arts must be taken each year of high school.	4 credits
Mathematics Each student will take a math course every year of high school and successfully complete the math credit taken in the 12th grade.	3 credits
Science Each required course shall incorporate lab-based, scientific investigation experiences and include the content strands of Biological Science, Physical Science, Earth & Space Science, and Unifying Concepts. (Course Sequence: Biology, Chemistry & Physics)	3 credits
Social Studies The courses will cover Civics, Economics, Geography, U.S. History and World History. (Course Sequence: World History, U.S. History and one of the following - Geography, Economics, Government, or African American History)	3 credits
Health Education (.5)/Physical Education (.5) Students can also fulfill their PE requirement by taking Fundamentals of Dance (year-long course) at YPAS.	1 credit
History and Appreciation of Visual & Performing Arts (HAVPA) Students can fulfill this requirement by completing HAVPA course, Spanish Humanities, AP Art History, 3-VA courses or 3-YPAS courses in one concentration area.	1 credit
Electives shall include the following: - Academic or Career - a four course sequence of electives (magnet/major courses). - World Language - 2 credits are recommended	7 credits
Note: The Kentucky Department of Education is in the process of revising graduation requirements. This course guide may change as a result. The requirements listed above are official for graduation at the time of print.	22 credits
	4

Course Level Descriptions

Comprehensive	Comprehensive is designed for students wanting to earn a basic high school diploma.
Honors Program (HNR)	These are challenging, college preparatory courses designed for the college-bound student.
Advance Program (ADV)	This program is designed to provide accelerated instruction for academically gifted and talented students. The Mathematics, Science & Technology (MST) courses provide accelerated instruction.
Dual Credit	In dual credit courses, a student receives both high school and college credit at the same time.
Advanced Placement (AP)	The advanced placement courses provide the most rigorous curriculum at duPont Manual High School. AP Courses are developed and sanctioned by the College Board.

AP Credit Policy: <http://apstudent.collegeboard.org/creditandplacement>

Advanced Placement

The College Board website outlines all of the AP course details, which is found on the following website: <https://apstudent.collegeboard.org/>

Art History	Computer Science Principles	Human Geography	Spanish Language
Biology	English Language & Composition	Latin Language Vergil	Statistics
Calculus AB	English Literature & Composition	Macroeconomics	Studio Art 2-D
Calculus BC	Environmental Science	Microeconomics	Studio Art 3-D
Capston: AP Research	European History	Music Theory	Studio Art Drawing
Capstone: AP Seminar	French Language	Physics 1	United States History
Chemistry	Comparative Government & Pol.	Physics 2	World History
Computer Science	U.S. Government & Pol.	Psychology	5

JCPS Advance Program

For those students who qualify through the 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. Advance Program Humanities is also required for the Advance Program. Advanced Placement classes also satisfy the requirement. A cumulative GPA of 3.0 (B) is required to remain in the program. Students need to take 3-years of the same World Language or two years of two different World Languages. Notes: A total of 12 Advance Program/Advanced Placement credits are required.

Career Pathways

Students can complete a career major and receive a related industry certification/End of Program Assessment to be considered career ready. Students must complete four courses in one of the following career pathways and pass the EOP exam.

Computer Science	AP Computer Science Principles JAVA Programming AP Computer Science Cyber Science and/or Information Technology Internship
Consumer & Family Management	FACS Essential (Life Skills) Relationships & Parenting Foods & Nutrition AP Psychology
Engineering	Engineering I Engineering II Mechanical Engineering Engineering Capstone or Engineering Co-op
Fashion & Interior Design	FAC Essentials (Life Skills) Fashion & Interior Design 1 Fashion & Interior Design 2 Fashion & Interior Design 3
Food Science & Dietetics	FACS Essentials (Life Skills) Foods & Nutrition Advanced Food & Nutrition Nutritional Food Science AP Chemistry AP Biology
Hospitality & Tourism	Principles of Hospitality Foods & Nutrition or FACS Essentials Advanced Foods and Nutrition Co-op: Hospitality, Travel, Tourism and Recreation

Grading Reporting

A GPA includes grades earned in all high school courses. GPAs are deried from quality points that are assigned to letter grades as listed below. *Weighted Grades: College Credit and Equivalent Courses, such as AP and Dual Credit will be weighted on a sliding 5.0 scale. Any student earning a weighted cumulative high school GPA of 4.0 or greater qualifies for valedictoriam. A six-week Progress Report and a twelve-week Progress Report are shown on Parent Portal. A final semester grade is a cumulative report of student progress for the half credit earned during the semester.

Score	Standard Score	
A	90-100%	4.0
B	80-89%	3.0
C	70-79%	2.0
D	60-69%	1.0
U	Below 60%	0

Score	College Scale*	
A	90-100%	5.0
B	80-89%	3.75
C	70-79%	2.50
D	60-69%	1.25
U	Below 60%	0

Student Support Services

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.

Manual Achievement Center (MAC)

The MAC was a combination of efforts from multiple teachers and administrators. There are many opportunities for students to visit the MAC, including during their Study Skills block to receive tutoring in any subject area. Computers are available for research and additional school work. The lab helps reinforce positive learning habits.

Transition Center (eSchool Lab)

JCPS eSchool (credit recovery/initial credit); Study Island and Edgenuity (content support/credit recovery) lab.

University of Louisville Partnership Programs

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).



UNIVERSITY OF
LOUISVILLE

Louisville Academy Program

Students apply to attend the University of Louisville during the school day. A student will spend 1/2 day at Manual and 1/2 day at the University of Louisville. Students are considered students at both institutions and benefit from privileges of both.

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 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 X 4 = 16

+4 – English courses

+4 - Math course

+4 – Science Course

+4 - Social Science (and/or additional) courses

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.

High School University Magnet (HSU)

The High School University (HSU) Magnet Program will provide a 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.



9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- _____ World Language (Spanish, French, German or Latin)
- _____ **HSU 101 (Magnet Course)**
- _____ Study Skills

10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
_____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
_____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
_____ World History (HNR, ADV, or AP), or AP European History
_____ World Language (Spanish, French, German & Latin)
_____ Elective
_____ Elective
_____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
 _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
 _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
 _____ U.S. History (HNR, ADV or AP)
 _____ World Language (Spanish, French, German & Latin)
 _____ **Elective (Career Major Course)**
 _____ **Elective (Career Major Course)**
 _____ Study Skills

High School University Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ HAVPA (Regular or ADV), AP Art History, Spanish Humanities
- _____ **Elective (Career Major Course)**
- _____ **Elective (Career Major Course)**
- _____ Elective
- _____ Elective
- _____ Study Skills or Student Assistant

Notes:

1. Complete 4 courses in a declared major. HSU students are encouraged to consider their future university studies. Students will complete the HSU Career Major Planning Form during scheduling.
2. Students must complete a minimum of three Advanced Placement (AP) and/or Dual Credit courses; or complete three courses in one of the Career Pathways (listed on pg. 8)
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.

Journalism & Communication Magnet (J&C)

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.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Journalism 1**
- _____ **Digital Design**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Journalism 2**
- _____ **J&C Elective***
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **J&C Elective***
- _____ **J&C Elective***
- _____ Study Skills

Journalism & Communication Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ HAVPA (Regular or ADV), AP Art History, Spanish Humanities
- _____ **J&C Elective***
- _____ **J&C Elective***
- _____ Elective
- _____ Elective
- _____ Study Skills or Student Assistant

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

Broadcast Journalism 1 and Broadcast Journalism 2 (Manual AM)
Multimedia Publishing (Introduction to Multimedia)
Writing Comp/Desktop Publishing (Manual Redeye)
Journalism 3 (On the Record)
Oral Communication/Debate
Photojournalism
Yearbook (The Crimson)
Journalism 4 (Editorial Leadership)
Eng Intern (Media Internship)
Creative Writing (One Blue Wall)
Film Study
Advanced MultiMedia Publishing
Z Media

Mathematics, Science & Technology Magnet

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) at any college in the country. Academic rigor and research is expected of all students through the use of challenging homework, projects, classwork, and extra-curricular activities that will develop good problem-solving and critical thinking skills. MST students will 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 MST Program.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ **MST Geometry/MST Algebra 2**
- _____ **MST Physics**
- _____ **AP Computer Science Principles**
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- _____ World Language (Spanish, French, German or Latin)
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ **MST Algebra 2/MST Trigonometry**
- _____ **MST Chemistry**
- _____ **JAVA Programming I**
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ Elective
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ **MST Precalculus**
- _____ **MST Biology**
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ Elective
- _____ Elective
- _____ Study Skills

Mathematics, Science & Technology Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ **AP Calculus BC**
- _____ **AP Physics**
- _____ HAVPA (Regular or ADV), AP Art History, Spanish Humanities
- _____ Elective
- _____ Elective
- _____ Elective
- _____ Study Skills or Student Assistant

Notes:

1. All MST students will complete a minimum of 4 years of each of science and advanced math (labeled in bold on the 4-year plan). They will also complete a minimum of 2 years of computer science (labeled in bold on the 4-year plan).
2. AP Statistics, AP Environmental Science, AP Chemistry, and AP Biology are electives.
3. MST technology classes include: AP Computer Science Principles, JAVA Programming, Web Page Development: JAVA Script, AP Computer Science, and Cyber Science.
4. No MST student will be allowed to transfer to a lower level science class unless they receive a D or less in the class. Upon admission to an AP science class students will remain in the class the entire year unless students are receiving a D or less and then only with the instructor's approval.
5. MST Research Component: Science, mathematics or technology research is the focus of the MST program. All students are required to complete a research project in one of the three areas during freshman, sophomore, and junior years. During freshman year, the grade for the research will be part of the overall grade for the course. During the sophomore and junior year, students will receive a half credit for the research each year and the grades will be separate from any science courses.
6. All MST students are expected to participate in a regional science fair or comparable science competition in the school year when the student completes their science fair component.

Visual Art Magnet

The Visual Arts (VA)Magnet is a unique program that provides artistically talented students with the opportunity to work in an exhibition gallery and in 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 and sequence required for a student to complete the Visual Art Academic Program.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography

~or~

- _____ World Language (Spanish, French, German or Latin)
- _____ **Basic Design**
- _____ **Drawing/Painting I**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Ceramics & Sculpture**
- _____ **Drawing/Painting II**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Studio Art 3 (Textiles & Printmaking)**
- _____ **Drawing 3 or AP Studio Art Drawing**
- _____ Study Skills

Visual Art Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ **Painting 3 or AP Studio 2-D Design**
- _____ **Textiles 2, Printmaking 2, or AP Studio 3-D Design**
- _____ **VA Elective***
- _____ Elective
- _____ Elective
- _____ Study Skills or Student Assistant

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

**Senior VA Required Elective Choices: (see course descriptions for prerequisites)

- Textiles 2
- Printmaking 2
- AP 3-D Design
- Photography 1
- Photography 2
- Computer Art/Graphic Design
- AP Art History
- 3-D Art

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 - Dance Magnet

The courses listed below are required for a student to complete the YPAS Dance Magnet Program. Each student should complete 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.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography

~or~

- _____ World Language (Spanish, French, German or Latin)
- _____ **Ballet 1**
- _____ **Modern Jazz 1**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)

- _____ **Ballet 2**
- _____ **Modern Jazz 2**
- _____ **Dance Ensemble 1 (Required for all sophomores)**

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Ballet 3**
- _____ **Modern Jazz 3**
- _____ **Elective: Dance Ensemble 2* (Performance Track) or Study Skills**

YPAS - Dance Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ **Ballet 4**
- _____ **Modern Jazz 4**
- _____ **Elective: Dance Ensemble 3* (Performance Track)**
- _____ Elective
- _____ Elective
- _____ Study Skills or Student Assistant

Note:

Website for all YPAS Dance Department Information can be found at the following: <http://www.ypasdance.com/>.

Dance Department Handbook is available online.

Dance Ensemble is required for students starting in the sophomore year. Students and parents are encouraged to consult with 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.

YPAS - Design & Production Magnet

The Courses listed below are required for a student to complete the YPAS Design & Production (D&P) Magnet Program. Each student should complete 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.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography

~or~

- _____ World Language (Spanish, French, German or Latin)
- _____ **Design & Production 1 and Stagecraft 1 (after school lab)**
- _____ **Design & Production 1 and Stagecraft 1 (after school lab)**
- _____ Study Skills is required for all D&P Majors.



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Design & Production 2 and Stagecraft 2 (after school lab)**
- _____ **Design & Production 2 and Stagecraft 2 (after school lab)**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Design & Production 3 and Stagecraft 3 (after school lab)**
- _____ **Design & Production 3 and Stagecraft 3 (after school lab)**
- _____ Study Skills

YPAS - Design & Production Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ **Design & Production 4 and Stagecraft 4 (after school lab)**
- _____ **Design & Production 4 and Stagecraft 4 (after school lab)**
- _____ Elective
- _____ Elective
- _____ Elective
- _____ Study Skills or Student Assistant

The Department of Design and Production is one of the most unique aspects of the Youth Performing Arts School. In the entire nation, only a very small number of performing arts schools offer a major in this field. Most students cannot obtain formal technical theatre training until college. The Department of Design and Production provides both traditional classroom instruction and "hands-on" experience in all of the areas of technical theatre - Scenery, Costumes, and Lighting/Sound. All students receive training in all of these areas; students are not allowed to specialize in one specific production area.

YPAS - Guitar Magnet

The Youth Performing Arts School (YPAS) in Louisville, KY is one of the largest arts magnet schools in the nation, with a history and tradition as storied as the nation's largest Victorian neighborhood in which it is situated. Launched in 2016, the YPAS Guitar Major is the school's latest offering and the first college preparatory magnet program of its kind in the state of Kentucky. Directed by Michael Kagan, a passionate educator, performer, and advocate for the classical guitar, his program regularly hosts international artists and explores inspired collaborations among other YPAS departments and the Louisville community at large.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Applied Guitar 1**
- _____ **Guitar Technique and Repertoire Development 1**
- _____ Study Skills is required for all D&P Majors.



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Applied Guitar 2**
- _____ **Guitar Technique and Repertoire Development 2**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Applied Guitar 3**
- _____ **Guitar Technique and Repertoire Development 3**
- _____ Elective: Music Theory

YPAS - Guitar Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ **Applied Guitar 4**
- _____ **Guitar Technique and Repertoire Development 4**
- _____ Elective: Advanced Placement Music Theory
- _____ Elective: Conducting
- _____ Elective: Piano Keyboard 1
- _____ Study Skills or Student Assistant

Notes:

1. Students that have three years of guitar have acquired a Specialization in the Performing Arts. Students that have earned this specialization may use this in lieu of taking a Humanities course their senior year.
2. Guitar majors are highly encouraged to take Fundamentals of Dance/Health their freshman year and follow the elective schema listed above during their junior year as electives become available in their schedules.

YPAS - Musical Theatre Magnet

The Musical Theatre Department of the Youth Performing Arts High School of Louisville, Kentucky is a comprehensive four year integrated program wherein a student studies Singing, Acting and Dance (Ballet, Jazz, Tap, Theatre & World Dance). The curriculum is designed to provide the young artist the all round training they will need to gain entry into the top level Musical Theatre training programs in Colleges, Universities or Conservatories. The Musical Theatre Major is an extremely demanding curriculum, both physically and academically. During their four years the Musical Theatre Majors have the advantage of studying with many of the master teachers in the departments of Theatre, Dance and Vocal Music.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Fundamentals of Dance for MT Majors**
- _____ **Vocal Development for MT Majors**
- _____ **Exploring Theatre for MT Majors**



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Music Theatre Lab**
- _____ **Advanced Dance Techniques 1**
- _____ **Concert Choir 2, Chamber Choir 2, Men's/Ladies Ensemble 2 (audition)**

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- ~or~
- _____ World Language (Spanish, French, German & Latin)
- _____ **American Musical Theatre 3 (Voice and Music Theory)**
- _____ **American Musical Theatre 3 (Intermediate Acting)**
- _____ **Beginning Tap 1**
- _____ Study Skills

YPAS - Musical Theatre Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ U.S. History or Elective if taken in the junior year
- _____ **American Musical Theatre 4 (Advanced Acting)**
- _____ **American Musical Theatre 4 (Voice and Dance)**
- _____ **Either Concert Choir 4, Chamber Choir 4, Men's/Ladies Ensemble 4 (audition), possibility of no vocal, depending on faculty recommendation**
-
- _____ **or - Advanced Dance Technique 2**
- _____ Health or Student Aide
- _____ Elective

Notes:

1. Students that have three 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 or eSchool opening that class period to take Advanced Tap Dance 3.

YPAS - Instrumental Music - Band Magnet

The faculty and staff of the YPAS Band Department know that music has the power to nurture, console, replenish, and inspire the spirit - all while affirming our humanity. It is our conviction that music education is a basic and necessary component of a well-balanced educational program. All students who are admitted to duPont Manual High School, no matter their major (MST, HSU, CMA, or VA) are eligible to audition to participate in the YPAS Band Program. After receiving notice of your admission to Manual, simply contact Mr. Essig at the email address below to schedule an audition. Curtis.essig@jefferson.kyschools.us

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Intermediate Band, Percussion Ensemble (percussion)**
- _____ **Symphonic Band 1, Wind Ensemble 1 (director approval)**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Symphonic Band 2, Percussion Ensemble 2**
- _____ **Wind Ensemble 2, Chamber Ensemble 2, Percussion Ensemble 2**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Symphonic Band 3, Percussion Ensemble 3**
- _____ **Wind Ensemble 3, Chamber Ensemble 3, Percussion Ensemble 3**
- _____ Study Skills

YPAS - Instrumental Music - Band Magnet

12th Grade

- ☐ English 4 (HNR or ADV), or AP English Literature
- ☐ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- ☐ **Symphonic Band 4, Percussion Ensemble 4 (percussion only)**
- ☐ **Wind Ensemble 4, Percussion Ensemble 4 (percussion only)**
- ☐ Elective
- ☐ Elective
- ☐ Elective
- ☐ Elective

Notes:

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. Beginning with the Class of 2021: All band majors are required to complete one year of Chamber Ensemble (addition to required band courses).

YPAS - Instrumental Music - Orchestra Magnet

The YPAS Orchestra Department consists of four major performing groups. Also, selected students in the department often participate in the Pit Orchestra for school musicals. Students who are selected to be in the YPAS Philharmonia have the opportunity to grow and perform in one of the finest high school orchestras in the nation, as recognized by leaders in the field. In recent years, the Philharmonia has auditioned for and been invited to perform on numerous occasions at state, regional, and national music educator conferences.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **String Techniques**
- _____ **Philharmonia Orchestra 1, Manual Concert Orchestra 1**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Philharmonia Sectional 2 (Chamber Strings 2)**
- _____ **Philharmonia Orchestra 2, Manual Concert Orchestra 2**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Philharmonia Sectional 3 (Chamber Strings 3)**
- _____ **Philharmonia Orchestra 3, Manual Concert Orchestra 3**
- _____ Study Skills

YPAS - Instrumental Music - Orchestra Magnet

12th Grade

_____ English 4 (HNR or ADV), or AP English Literature

_____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics
(Regular or AP)

_____ **Philharmonia Sectional 4 (Chamber Strings 4)**

_____ **Philharmonia Sectional 4, Manual Concert Orchestra 4**

_____ Elective

_____ Elective

_____ Elective

_____ Elective

Note:

Depending on the level of technical and musical maturity, students may be placed in the Manual Concert Orchestra instead of YPAS Philharmonia Orchestra.

Placement is determined by the Orchestra Director.

YPAS - Piano Magnet

The YPAS Applied Piano curriculum is modeled after traditional college course requirements for Piano majors. Students are assigned a standard solo repertoire from the Baroque, Classical, Romantic, Impressionist, and Modern Eras. Keyboard theory and technique are studied through scale and arpeggio practice, chord progressions, and various études. Performance classes are held throughout each semester, and students perform two evening recital programs each school year. In addition to these keyboard requirements, students complete four units of the study of piano literature, including the development of the piano, period composers and their works, and the evolution of various forms of music. Intermediate Piano and Keyboard Lab courses focus on the development of basic skills in the areas of music reading, music theory, and piano repertoire and technique.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Applied Piano 1**
- _____ **Applied Piano 2**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Applied Piano 1**
- _____ **Applied Piano 2**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Applied Piano 3**
- _____ **Applied Piano 4**
- _____ Study Skills

YPAS - Piano Magnet

12th Grade

_____ English 4 (HNR or ADV), or AP English Literature

_____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics
(Regular or AP)

_____ **Applied Piano 3**

_____ **Applied Piano 4**

_____ Elective

_____ Elective

_____ Elective

_____ Elective

Note:

Piano majors are highly encouraged to add Music Theory 1 and/or Advanced Placement Music Theory as electives during their junior and senior years.

YPAS - Theatre Magnet

The goal of the Theatre Department at YPAS is to develop a quality product through an emphasis on the artistic process. The course of study furthers the disciplines of the theatrical arts and includes instruction in the physical, verbal, and structural elements of theatre. A carefully designed approach and course of study provide young student performers with the techniques they will need to freely express their creative energies. An actor's instruments are his or her body and voice. In order to be creatively and technically adept, an actor must gain knowledge, freedom, and control of these instruments. The Theatre Program encompasses training; creative and imaginative exploration; and the history, literature, and production of the theatre.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Theatre 1**
- _____ **Theatre 1**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Theatre 2**
- _____ **Theatre 2**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Theatre 3**
- _____ **Theatre 3**
- _____ Study Skills

YPAS - Theatre Magnet

12th Grade

_____ English 4 (HNR or ADV), or AP English Literature

_____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics
(Regular or AP)

_____ **Theatre 4**

_____ **Theatre 4**

_____ Elective

_____ Elective

_____ Elective

_____ Elective

Note:

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 availability of elective opportunities in their schedule.

YPAS - Vocal Music Magnet

The Youth Performing Arts School Choral Ensembles and Singers have been actively engaged in the vocal arts since the school opened in 1977. Founding director, David Brown, established a tradition of excellence that was continued through the tenure of Dr. Tim Glasscock and that we continually strive to maintain today. The choirs have performed worldwide on concert tours, been invited to sing at a presidential inauguration, performed with local organizations and in the Louisville community, and have been invited to perform in conferences with the American Choral Director's Association, Intercollegiate Men's Choruses, and the Kentucky Music Educators Association. Our students are also active in studio voice programs and have an individual singing requirement in our classes. All students in our program sing in semester juries, and all of our magnet students also perform in solo recitals and KMEA solo and ensemble. Many of our students go on to pursue vocal performance or music education in college.

9th Grade

- _____ English 1 (HNR or ADV)
- _____ Algebra 1, HNR Algebra 1, Geometry (HNR or ADV)
- _____ HNR Physics or ADV Biology
- _____ Health/Physical Education
- _____ Geography (HNR or ADV) or AP Human Geography
- ~or~
- _____ World Language (Spanish, French, German or Latin)
- _____ **Vocal Development 1**
- _____ **Men's/Ladies Ensemble 1**
- _____ Study Skills



10th Grade

- _____ English 2 (HNR or ADV), or AP Seminar
- _____ Geometry (HNR or ADV) or Algebra 2 (HNR or ADV)
- _____ Biology (HNR or ADV), or Chemistry (HNR or ADV)
- _____ World History (HNR, ADV, or AP), or AP European History
- _____ World Language (Spanish, French, German & Latin)
- _____ **Concert Choir 2 or Chamber Choir 2 (by audition)**
- _____ **Men's/Ladies Ensemble 2**
- _____ Study Skills

11th Grade

- _____ English 3 (HNR or ADV), or AP English Language
- _____ Algebra 2 (HNR or ADV) or Precalculus (HNR or ADV)
- _____ Physics (HNR or ADV) or Chemistry (HNR or ADV)
- _____ U.S. History (HNR, ADV or AP)
- _____ World Language (Spanish, French, German & Latin)
- _____ **Concert Choir 3 or Chamber Choir 3 (by audition)**
- _____ **Men's/Ladies Ensemble 3**
- _____ Study Skills

YPAS - Vocal Music Magnet

12th Grade

- _____ English 4 (HNR or ADV), or AP English Literature
- _____ Algebra 3, Precalculus (HNR or ADV), Calculus (HNR or AP), or Statistics (Regular or AP)
- _____ **Concert Choir 4 or Chamber Choir 4** (by audition)**
- _____ **Men's/Ladies Ensemble 4**
- _____ Elective
- _____ Elective
- _____ Elective
- _____ Elective

Note:

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 2019-2020

Course Number	Course Name	Typical Grade
42300011	Study Skills (no credit)	9-12
45000011	Senior Assistant (no credit)	12
49038011	Peer Tutoring (credit)	11-12
ENGLISH		
42310131	HNR English 1	9
42310191	ADV English 1	9
42320131	HNR English 2	10
42320191	ADV English 2	10
42326161	AP Seminar English 2	10
42330131	HNR English 3	11
42330191	ADV English 3	11
62330191	ADV English 3 (Focus: African-Amer. Lit/Women's Studies)	11
42351161	AP English Language & Composition	11
42340131	HNR English 4	12
42340191	ADV English 4	12
42342081	ENGL 101 UL (Intro College Writing) Dual Credit	12
42342181	ENGL 102 UL (Interm College Writing) Dual Credit	12
42352161	AP English Literature & Composition	12
42343011	Great Books	10-12
42318783	ENGL 202 UL (Intro to Creative Writing)	11-12
42340461	AP Research	11-12

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
MATHEMATICS		
42710211	Algebra 1	9
42710231	HNR Algebra 1	9
42720211	Geometry	9-10
42720231	HNR Geometry	9-10
42720291	ADV Geometry	9-10
42730211	Algebra 2	10-11
42730231	HNR Algebra 2	10-11
42730291	ADV Algebra 2	10-11
42720231	HNR Precalculus	11-12
42740291	ADV Precalculus	11-12
42740011	Algebra 3	12
42750231	HNR Calculus	12
42750361	AP Calculus AB	12
42750461	AP Calculus BC	12
42750111	Probability & Statistics	12
42750161	AP Statistics	11-12

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
SCIENCE		
44340431	HNR Physics	9
44120191	ADV Biology	9
44120131	HNR Biology	10
44230331	HNR Chemistry	10-11
44230391	ADV Chemistry	10-11
44130461	AP Biology	11-12
44140091	ADV Anatomy & Physiology	12
44430061	AP Environmental Science	11-12
44240161	AP Chemistry	11-12
44340491	ADV Physics	11-12
44350361	AP Physics 1 - Algebra Based	11-12
44350661	AP Physics 2 - Algebra Based	12
45353441	Engineering I	9
45353541	Engineering II	10

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
SOCIAL STUDIES		
42220031	HNR Geography	9
42220091	ADV Geography	9
42241361	AP Human Geography	9
42220131	HNR World History	10
42220191	ADV World History	10
42220261	AP World History	10
42241261	AP European History	10
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 & Politics	11-12
42231461	AP U.S. Government & Politics	11-12
42240311	Political Science	11-12
42240261	AP Psychology	11-12
42240511	Economics	11-12
42242761	AP Macroeconomics	10-12
42242661	AP Microeconomics	11-12
62242761	AP Macroeconomics/AP Microeconomics	11-12
42240811	The Holocaust	11-12
42241411	African American Studies	11-12

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
HEALTH/PHYSICAL EDUCATION		
48910111	Health Education (.5 credit)	9
48810011	Physical Education (.5 credit)	9
48840011	Foundations of Sport & Exercise	10-12
48820111	Fitness Conditioning	11-12
48820011	Physical Education 2	12
48418011	Fundamentals of Dance	9-12
HISTORY AND APPRECIATION OF THE VISUAL & PERFORMING ARTS (HAVPA)		
48040011	History Arts (HAVPA)	10-12
48040091	ADV History Arts	12
48144161	AP Art History	12
68040091	ADV History Arts (Focus: Spanish Content)	12
FAMILY & CONSUMER SCIENCE		
45111341	FACS Essentials (Life Skills)	9-10
45111541	Fashion & Interior Design 1	9-12
45112341	Fashion & Interior Design 3	11-12
45123341	Food & Nutrition (1st Course)	9-12
45113141	ADV Foods & Nutrition (2nd Course)	10-12
45111641	Nutritional and Food Science	11-12
45128241	Relationships & Parenting	11-12
45731641	Principles of Hospitality	9

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
WORLD LANGUAGE		
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
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
42407491	ADV German 4	12
42412191	ADV Latin 1	9
42412291	ADV Latin 2	10
42412391	ADV Latin 3	11
42412491	ADV Latin 4	12
42412661	AP Latin	12

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
WORLD LANGUAGE		
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
42419581	SPA 111 (ADV Spanish 3) - Dual Credit with 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

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
JOURNALISM & COMMUNICATIONS MAGNET		
42313111	Journalism 1	9
42338011	Eng. Graph Art/Desktop Pub. (Digital Design)	9
42323111	Journalism 2	10
45027441	Multimedia Publishing (Intro. to Multimedia)	10-12
42351311	Oral Communication/Debate	10-12
42343011	Great Books	10-12
62310711	One Blue Wall Literary Magazine	10-12
42318783	ENGL 202 UL Intro to Creative Writing	11-12
42331411	Broadcast Journalism 1 (Manual AM)	11-12
42341411	Broadcast Journalism 2 (Manual AM)	11-12
42320711	Yearbook Production - The Crimson	11-12
42333111	Journalism 3 - On The Record	11-12
42343111	Journalism 4 - Editorial Leadership	11-12
42350511	Photojournalism	11-12
42327111	Writ Comp/Desktop Pub (Manual Red Eye)	11-12
42336011	Film Study	11-12
45680241	Design for the Digital World (Media Internship)	11-12
45037441	Advanced Multimedia	10-12
65037441	Z-Media (Adv. Multimedia)	11-12

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
MATHEMATICS, SCIENCE & TECHNOLOGY MAGNET		
42720391	MST Geometry/MST Algebra 2	9
44340991	MST Physics	9
45639741	AP Computer Science Principles	9
42730391	MST Algebra 2/MST Trigonometry	10
44230991	MST Chemistry	10
45640341	JAVA Programming 1	10
42740391	MST Precalculus/Calculus	11
44120991	MST Biology	11
42750461	AP Calculus BC	12
42743391	MST Discrete Math	12
42743491	ADV Linear Algebra	12
44130461	AP Biology	11-12
44240161	AP Chemistry	11-12
44350361	AP Physics 1	11-12
44350661	AP Physics 2	12
45631141	Web Page Development	9-12
45640741	AP Computer Science A	11-12
45614341	Cyber Science	11-12
45613541	Information Technology Internship	12

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
VISUAL ART MAGNET		
48112111	Basic Design	9
48112211	Drawing & Painting 1	9
48122411	Ceramics/Sculpture	10
48122211	Drawing & Painting 2	10
48132211	Drawing 3	11
48130211	Studio Art 3	11
48144261	AP Studio Art - Drawing	11
48132111	Painting 3	12
48142111	Printmaking 2	12
48142511	Textiles 2	12
48144361	AP Studio 2-D Design	12
48144461	AP Studio 3-D Design	12
48110011	Visual Art 1*	9-12
48120011	Visual Art 2*	10-12
48130011	Visual Art 3*	11-12
48140011	Visual Art 4*	12
48132711	Visual Comm Design (Graphic Design)*	11-12
48122511	3-D Art*	10-12
48120311	Photography 1*	11-12
48130311	Photography 2*	12
48144161	AP Art History*	12
*Courses open to all magnet students.		44

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
YOUTH PERFORMING ARTS SCHOOL - DANCE MAGNET		
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
68418011	Fundamentals of Dance (MT Majors)	9-12
48439011	ADV Dance Techniques*	9-12
68439011	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
*Courses open to all magnet students.		45

Course Listings 2019-2020

YOUTH PERFORMING ARTS SCHOOL - MUSIC MAGNET		
48310111	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

Course Listings 2019-2020

Course Number	Course Name	Typical Grade Level
YOUTH PERFORMING ARTS SCHOOL - MUSIC MAGNET		
48311111	Philharmonia Prep 1 (String Technique)	9
48321111	Philharmonia Prep 2 (String Technique)	10
48331111	Philharmonia Prep 3 (String Technique)	11
48341111	Philharmonia Prep 4 (String Technique)	12
48311311	Philharmonia Sec 1 (Chamber Orchestra)	9
48321311	Philharmonia Sec 2 (Chamber Orchestra)	10
48331311	Philharmonia Sec 3 (Chamber Orchestra)	11
48341311	Philharmonia Sec 4 (Chamber Orchestra)	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)	12

Course Listings 2019-2020

YOUTH PERFORMING ARTS SCHOOL - MUSIC MAGNET		
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
48332411	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
48329011	Guitar 2	10
48339011	Guitar 3	11
48349011	Guitar 4	12
48319111	Guitar Technique & Repertoire Development 1	9
48329111	Guitar Technique & Repertoire Development 2	10
48339111	Guitar Technique & Repertoire Development 3	11
48349111	Guitar Technique & Repertoire Development 4	12

Course Listings 2019-2020

YOUTH PERFORMING ARTS SCHOOL - MUSIC MAGNET		
48316111	Piano Keyboard 1	9-12
48316211	Applied Piano 1 (Piano Majors)	9-10
68316211	Applied Piano 1 (Non-Majors)	9-12
48326211	Applied Piano 2	10
48336211	Applied Piano 3	11
48346211	Applied Piano 4	12
48347111	Music Theory*	10-12
48357161	AP Music Theory*	11-12

YOUTH PERFORMING ARTS SCHOOL - THEATRE/DESIGN & PRODUCTION		
48512211	Exploring Theatre*	9-12
68512211	Exploring Theatre (MT Majors)	9-12
48510211	Theatre 1	9
48520211	Theatre 2	10
48530211	Theatre 3	11
48540211	Theatre 4	12
48532511	Stage Production 3 (Directing)	11-12
48542511	Stage Production 4 (Adv. Performance)	11-12
48521211	Playwriting 1	10-12
48531211	Playwriting 2	11-12
48541211	Playwriting 3	12
48521511	Music Theatre Lab 2	10
48531511	Music Theatre Lab 3	11
48541511	Music Theatre Lab 4	12
48521011	American Music Theatre 2**	10
48531011	American Music Theatre 3**	11

*Courses open to all magnet students. **Courses are double blocked.***Courses meet after school

Course Listings 2019-2020

YOUTH PERFORMING ARTS SCHOOL - THEATRE/DESIGN & PRODUCTION		
48512211	Exploring Theatre*	9-12
68512211	Exploring Theatre (MT Majors)	9-12
48510211	Theatre 1	9
48520211	Theatre 2	10
48530211	Theatre 3	11
48540211	Theatre 4	12
48532511	Stage Production 3 (Directing)	11-12
48542511	Stage Production 4 (Adv. Performance)	11-12
48521211	Playwriting 1	10-12
48531211	Playwriting 2	11-12
48541211	Playwriting 3	12
48521511	Music Theatre Lab 2	10
48531511	Music Theatre Lab 3	11
48541511	Music Theatre Lab 4	12
48521011	American Music Theatre 2**	10
48531011	American Music Theatre 3**	11
48541011	American Music Theatre 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 open to all magnet students. **Courses are double blocked. ***Courses meet after school		

English Course Descriptions

Honors English 1

Grade level: 9

Prerequisite(s): None

HNR Freshman English blends the strands of reading, writing, speaking, listening, and observing as communication tools. The course presents a wide range of reading experiences including short stories, novels, poetry, and drama. Assignments are structured to call upon the student's speaking, listening, and observing skills as they communicate information for a variety of authentic purposes.

Advance Program English 1

Grade level: 9

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 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. 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.

Honors English 2

Grade level: 10

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. This course will require students to use the writing process assignments, work collaboratively with peers, and work independently.

Advance Program English 2

Grade level: 10

Prerequisite(s): Strong performance in Freshman English

ADV Sophomore English continues 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. **51**

English Course Descriptions

Advanced Placement Seminar (English 2 credit)

Grade level: 10

Prerequisite: Advanced Program English 1 and AP Human Geography

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. (Note: Students must apply.)

Honors English 3

Grade level: 11

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 emphasize

Advance Program English 3

Grade level: 11

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.

Advance Program English 3

(Focus: African-American Literature and Women’s Studies)

Grade level: 11

This course will fulfill content expectations for Advance Program Junior English. The reading focus for the course will be American literature, with a particular focus on African-American and female writers. This course intends to give voice to the writers who are not often the focus in an American literature survey. Writing for this course will meet the expectations for Advanced Junior English but will be reflective of the themes explored in the reading.

English Course Descriptions

Advanced Placement English Language and Composition

Grade level: 11

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—on 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. 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. 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.

Honors English 4

Grade level: 12

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.

Advance Program English 4

Grade level: 12

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.

English Course Descriptions

ENGL 101 UL Introduction to College Writing - English 4

Grade level: 12

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. Students successfully completing the course will receive 3 credit hours 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.

ENGL 102 UL Intermediate College Writing - English 4

Grade level: 12

Prerequisite(s): Senior standing, instructor approval

This is a full year course offering 3 credit hours for ENGL102 through the University of Louisville. U of L requires a minimum of a 3.0 cumulative GPA and a 20 on the Reading section of the ACT for admission to this class. Scoring a 3 or higher on the AP Language and Composition Exam is a prerequisite for this class. See English 101 description in the scheduling book. This course will expand on the rhetoric and composition taught in ENGL101/AP Lang with a heavier focus on research.

Advanced Placement English Literature and Composition

Grade level: 12

Prerequisite(s): Senior standing and instructor recommendation.

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. It is recommended that students interested in this course take the Advanced Placement Language and Composition course during their junior year.

English Course Descriptions

Great Books

Grade level: 11 -12

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.

Creative Writing (ENGL 202 UL Intro to Creative Writing) Grade level: 11-12

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.

Advanced Placement Research

Grade Level: 11-12

Prerequisite(s): Successfully completed Advanced Placement Seminar

AP Research allows student 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.

Mathematics Course Descriptions

Algebra 1

Grade level: 9

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.

HNR Algebra 1

Grade level: 9

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.

Geometry

Grade level: 9 -10

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.

Honors Geometry

Grade level: 9- 10

Prerequisite(s): 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.

Advance Program Geometry

Grade level: 9 - 10

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.

Algebra 2

Grade level: 10 - 11

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.

Mathematics Course Descriptions

Honors Algebra 2

Grade level: 10 - 11

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.

Advance Program Algebra 2

Grade level: 10 - 11

Prerequisite(s): 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.

Honors Pre-Calculus

Grade level: 12

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.

Advance Program Pre-calculus

Grade level: 11

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.

Algebra 3 (Formerly called College Algebra)

Grade level: 12

Prerequisite(s): Honors Algebra II

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

Honors Calculus

Grade level: 12

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.

Mathematics Course Descriptions

Advanced Placement AB Calculus

Grade level: 12

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 anti-differentiation. Note: College level curriculum taught in a high school setting

Advanced Placement Calculus BC

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

Probability and Statistics

Grade level: 12

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.

Advanced Placement Statistics

Grade level: 10-12

Prerequisite(s): Advanced Algebra II or MST Algebra 2; or teacher recommendation.

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: Teacher Recommendation.)

Science Course Descriptions

Honors Physics

Grade level: 9

Prerequisite(s): None

HNR Physics is an inquiry based interdisciplinary course that emphasizes topics in conceptual physical and earth science within a laboratory setting. Honors Physics 1 includes the study of the laws of motion and forces the laws of conservation of energy, and the interactions of energy with matter. Laboratory techniques and their application in solving physical problems are key elements integrated into this course.

Advance Program Biology

Grade level: 9

Prerequisite(s): None

Advance Program Biology 1 is a course which offers a basic understanding of life and life processes. Required topics of study include: the cell, the molecular basis of heredity, biological change, the interdependence of organisms, behavior or organisms and energy and organization in a living system. Laboratory techniques and their application in solving biological problems are key elements integrated into biology. 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.

Honors Biology I

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.

Honors Chemistry I

Grade level: 10 - 11

Prerequisite(s): None

HNR Chemistry I include 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.

Advance Program Chemistry I

Grade level: 10 -11

Prerequisite(s): ADV Integrated Science and ADV Algebra 2

ADV Chemistry I include 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.

Science Course Descriptions

Advanced Placement Biology

Grade level: 11 -12

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.

Advance Program Anatomy and Physiology

Grade level 11 - 12

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 services.

Advanced Placement Environmental Science

Grade level: 11-2

Prerequisite(s): Biology, Chemistry

This course follows the College Board curriculum and is designed to provide students with scientific principles, concepts, and methodologies required to understand the cycles in nature, interrelationships of the natural world, and to identify and analyze environmental problems.

Advanced Placement Chemistry

Grade level: 11 - 12

Prerequisite(s): Successful completion (B or higher) in ADV Chemistry or MST Chemistry. 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

Advance Program Physics I

Grade level: 12

Prerequisite(s): Algebra 2

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

Science Course Descriptions

Advanced Placement Physics 1

Grade level: 11 - 12

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. Note: College level curriculum taught in a high school setting.

Advanced Placement Physics 2

Grade level: 12

Prerequisite: AP Physics Part 1 and ADV or MST 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.

Engineering I

Grade level: 9

A project and research based course that extends the learning experiences where students focus on mechanical, electrical, fluid and thermal systems allowing in depth exploration in selected disciplines of engineering areas such as manufacturing, power/energy/transportation, bio-medical, robotics, hydraulics, electricity/electronics, communications, construction systems, alternative energy, computer aided design and problem solving.

Engineering II

Grade level: 10

Prerequisite: Engineering I

A project and research based course that extends the learning experiences where students focus on mechanical, electrical, fluid and thermal systems allowing in depth exploration in selected disciplines of engineering areas such as manufacturing, power/energy/transportation, bio-medical, robotics, hydraulics, electricity/electrons, communications, construction systems, alternative energy, computer aided design and problem solving.

Social Studies Course Descriptions

Honors Geography

Grade level: 9

This project-based course will prepare students to become knowledgeable citizens of a diverse, global society. Honors Geography introduces the student to geography and the skills and methods of the geographer. Students will learn patterns, geographic skills, concepts and processes that have shaped modern human societies as they complete a series of hands-on small projects throughout the class. Honors Geography is highly recommended for students who need small-group, activity based learning to be successful in the social studies classroom.

Advance Program Geography

Grade level: 9

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.

Advanced Placement Human Geography

Grade level: 9

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.

Social Studies Course Descriptions

Honors World History

Grade level: 10

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.

Advance Program World History

Grade level: 10

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.

Advanced Placement World History

Grade level: 10

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

Advanced Placement European History

Grade level: 10 - 12

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.

Social Studies Course Descriptions

Honors United States History

Grade level: 11

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.

Advance Program United States History

Grade level: 11

Prerequisite(s): None

This is a survey course that 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.

Advanced Placement United States History

Grade level: 11

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

Advanced Placement Comparative Government and Politics/ Advanced Placement U.S. Government and Politics.

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. 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. 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.

Social Studies Course Descriptions

Advanced Placement U.S. Government and Politics

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.

Political Science

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.

Advanced Placement Psychology

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.

Economics

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.

Social Studies Course Descriptions

Advanced Placement Macroeconomics

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.

Advanced Placement Microeconomics

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.

The Holocaust

Grade level: 11 - 12

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 20th 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.

African American History

Grade level: 9 -12

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.

Health/Physical Education Course Descriptions

Health Education I

Grade level: 9

Health Education I consist 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

Physical Education I

Grade Level: 9

Physical Education I consist of teaching 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.

Foundations Sport & Exercise

Grade Level: 10 – 12

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.

Conditioning

Grade level: 11 -12

Prerequisite(s): Foundations of Sport & 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.

Physical Education II

Grade level: 12

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.

Fundamentals of Dance I

Grade level: 9 - 12

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.

Humanities Course Descriptions

History and Appreciation of Visual and Performing Arts

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.

Advance Program History and Appreciation of Visual & Performing Arts

Prerequisite(s):. None

Grade level: 12

This is 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.

Advanced Placement Art History

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. This course will satisfy the Advanced Program Humanities requirement

Advance Program HAVPA (Focus: Spanish)

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. 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. 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.

Consumer Science Course Descriptions

FACS Essentials

Grade level: 10 - 12

FACS Essentials introduces students to basic life skills including units on college and career planning, personal finance, food preparation, nutrition basics, clothing care, and risky behavior. This is the course everyone says should still be taught in all schools as Adulting 101.

Fashion & Interior Design I

Grade level: 9 -12

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.

Fashion & Interior Design 3

Grade level: 11 – 12

Prerequisite(s): Fashion Design 2

Fashion Design 3 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.

Foods & Nutrition

Grade level: 9 - 12

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.

Advanced Foods & Nutrition (Foods 2)

Grade level: 10 -12

Prerequisite: Foods & 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.

Consumer Science Course Descriptions

Nutritional and Food Science

Grade level: 11-12

Prerequisite: Foods & Nutrition

This course is designed for students to learn about eating patterns; nutrition science; consumer aspects; world hunger; fitness foods; application of scientific principles.

Relationships & Parenting

Grade level: 11 - 12

Prerequisite(s): None

This course helps students develop deeper self-understanding. This course will help students better understand a variety of relationships. Family life education comprises a large portion of this courses including dating and marital relationships, preparing for life on owne's own, parentnting decisions, and what its like caring for an infant from conception to age two. Note: Recommended for upperclassman due to the content discussed.

Hospitality and Tourism

Grade level:

This course is designed for students interested in careers in the hospitality industry. The instruction includes career awareness in the areas of recreation, travel and tourism, hotel and motel, and the restaurant industries. This course is based on the family and consumer sciences core that includes communication skills, economics, food and beverage operations, promotion, selling, and product and service management.

World Language Course Descriptions

Honors French I

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.

Advanced Program French I

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.

Honors French II

Grade level: 9 - 10

Prerequisite(s): French I or demonstrated mastery

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.

Advance Program French II

Grade level: 9 - 10

Prerequisite(s): Advanced Program French I or demonstrated mastery

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 Obernai, France every other year. It is a great opportunity for the students to be immersed and experience the French culture.

Honors French III

Grade level: 10 - 11

Prerequisite(s): French I and French II

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. **71**

World Language Course Descriptions

Advance Program French III

Grade level: 10 - 11

Prerequisite(s): Advanced Program French I and French II

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 Obernai, France every other year.

Advance Program French IV

Grade level: 11 - 12

Prerequisite(s): Successful completion of Advanced Program French I, II, and III.

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 Obernai, France. It is a great opportunity for the students to be immersed in the

Advanced Placement French Language

Grade level: 12

Prerequisite(s): Successful completion of prior ADV French courses (French I-IV)

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.

Honors German I

Grade level: 9

Prerequisite(s): None

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.

World Language Course Descriptions

Advance Program German I

Grade level: 9

Prerequisite(s): None

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.

Honors German II

Grade level: 10

Prerequisite(s): German I

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.

Advance Program German II

Grade level: 10

Prerequisite(s): Advanced German I

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.

Honors German III

Grade level: 11

Prerequisite(s): German I and II

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.

Advance Program German III

Grade level: 11

Prerequisite(s): Advanced German I and II

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.

World Language Course Descriptions

Honors German IV

Grade level: 12

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.

Advance Program German IV

Grade level: 12

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/written form.

Advance Program Latin I

Grade level: 9

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.

Advance Program Latin II

Grade level: 10

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 Commentaries on the Gallic War. Major Roman authors are introduced.

Advance Program Latin III

Grade level: 11

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.

World Language Course Descriptions

Advance Program Latin IV

Grade level: 12

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.

Advanced Placement Latin Literature

Grade level: 12

Prerequisite(s): Advanced Program Latin I, II, and III

AP Latin is a grammar and reading based course which covers material in both Caesar's de bello Gallico and Vergil's Aeneid. 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 exam.

Honors Spanish I

Grade level: 9

Prerequisite(s): None

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.

Advance Program Spanish I

Grade level: 9

Prerequisite(s): None

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.

Honors Spanish II

Grade level: 9 - 10

Prerequisite(s): Spanish I or demonstrated proficiency.

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.

World Language Course Descriptions

Advance Program Spanish II

Grade level: 9 - 10

Prerequisite(s): Advanced Spanish I or demonstrated proficiency.

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.

Honors Spanish III

Grade level: 10 - 11

Prerequisite(s): Spanish I and Spanish II or native speaker

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.

Advance Program Spanish III

Grade level: 10 - 11

SPA 111 CU Spanish 1 (dual credit with Campbellsville University)

Prerequisite(s): Advance Spanish I and Spanish II

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.

Advance Program Spanish IV

Grade level: 11 - 12

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-orals, in both presentational and interpersonal modes. Project- Spanish in the real-world interaction in the Hispanic community, with a focus on community service.

World Language Course Descriptions

Advanced Placement Spanish Language

Grade level: 12

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.

Conversational Spanish/Honors Spanish V

Grade level: 12

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.

American Sign Language I

Grade level: 9 - 12

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.

American Sign Language II

Grade level: 10 -12

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.

Journalism & Communication Magnet Courses

Journalism I

Grade Level: 9

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.

Availability: This is a requirement for freshman J&C students. Open to other magnets as space permits.

Digital Design - Listed as Eng Graph Arts/Desktop

Grade Level: 9

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&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&C students. Open to other magnets as space permits.

Journalism 2

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.

Multimedia Publishing (Introduction to Media Arts)

Grade level: 10-12

The first semester curriculum revolves around Podcast and Audio Narrative production.. The second-semester curriculum centers upon Video Production and Filmmaking. The class is student-centered and product-based. It is a hands-on, learning by doing course. Students should leave the course with both a deeper technical and conceptual understanding of media storytelling. Open to all magnet.

Oral Communication/Debate

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.

Journalism & Communication Magnet Courses

Great Books

Grade level: 10-12

This course pivots upon guided conversation and collective learning. Students read, discuss, debate, discover unpack, map interconnections, and construct key concepts extracted from a wide spectrum of the western canon: literature, philosophy, economics, history, sociology, political theory, and psychology. This is a history of ideas course that always has an eye towards using the past.

Creative Writing

Grade Level 10-12

ENGL 202 UL Intro to Creative Writing

Designed for both the experienced writer and the determined beginner, in this class students explore their creative strengths, develop a vocabulary with which to discuss their own creativity, and experiment with the craft and adventure of their own writing. Students will come out of the course strengthened in their ability to identify and pursue their own creative interests. Creative and critical thinking skills will find space to expand within the domains of Creative Nonfiction, Short Fiction, Poetry, Writing for Film, and Drama.. Students will self-publish chapbooks, participate in workshop-style critiques, read at public literary events, and submit to various student literary publications and competitions. Open to all magnets. Junior and Senior students can take the same class and receive Dual Credit from the University of Louisville – ENGL 202.

Note: Must meet ACT requirements for the University of Louisville for Dual Credit if interested in the Dual Credit option. Availability: sophomores and above.

Creative Writing/Literary Magazine (*One Blue Wall*)

Grade level: 10-12

Staff members pursue the creative sides of communication ultimately by producing the school art and literary hybrid print and digital magazine. Students will actively contribute to the local literary and artistic teenage cultural community. They will develop skills pertaining to creative writing, creative design, creative media production, collaboration, peer revision, event organization, verbal and visual communication, adaptability, and leadership. Open to all magnets. Preferred prerequisite: Creative Writing

Broadcast Journalism I – Manual AM

Grade level: 11-12

Video editing and broadcast journalism skills are developed through the production of news stories to be aired on Manual's bi-weekly TV show CSPN-TV. Prerequisites: Journalism 1, Journalism 2 (can be concurrently enrolled), Introduction to Media Arts or Oral Communication and Debate (can be concurrently enrolled).

Broadcast Journalism II – Manual AM

Grade level: 11-12

Video editing and broadcast journalism skills are developed through the production of news stories to be aired on Manual's bi-weekly TV show CSPN-TV. Prerequisites: Broadcast Journalism 1, Journalism 1, Journalism 2, Introduction to Media Arts or Oral Communication and Debate.

Journalism & Communication Magnet Courses

Yearbook – *The Crimson*

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.

Journalism 3 – *On the Record*

Grade level: 11-12

Students in this course will produce Manual's award-winning student newspaper, *The Crimson Record*, monthly. Production requires students 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

Journalism 4 – Editorial Leadership

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.

Journalism & Communication Magnet Courses

Photojournalism

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. 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&C magnet juniors and seniors with staff positions. Class size is limited.

Wrt Comp/Dktp Pub – *Manual Red Eye*

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 manualredeye.com 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. Upper-class J&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.

Film Study

Grade level: 11-12

Visual literacy is the central preoccupation of this course. Students will learn the vocabulary and methods of analyzing film critically, theoretically, stylistically and historically. While the course focuses primarily on American film, students will encounter films from other cultures, as well as genres, eras and styles. These skills will be honed through a variety of approaches to writing about the image, nontraditional projects, and regular Socratic-style discussion with other class members on a regular basis. Crafted for future filmmakers, lovers of film, and critical thinkers who value Visual Literacy. Open to juniors and seniors from all magnets.

Design for the Digital World– Media Internship

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. 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 requires approval from instructor.

Math, Science & Technology Magnet Courses

MST Geometry/MST Algebra 2

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 Physics

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.

Advanced Placement Computer Science Principles

Grade level: 9

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.

MST Algebra 2/MST Trigonometry

Grade level: 10

Prerequisite: Successful completion of MST Geometry

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 Chemistry

Grade level: 10

Prerequisite(s): MST Geometry and/or concurrent

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.

Math, Science & Technology Magnet Courses

JAVA Programming I

Grade level: 10

Prerequisite(s): Technology Competency and 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.

MST Pre-Calculus/Calculus

Grade level: 11

Prerequisite(s): MST Algebra II

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 Biology

Grade level: 11

Prerequisite(s): MST Integrated Science and MST Chemistry (can take concurrently)

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

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.

MST Discrete Math

Grade level: 12

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.

Math, Science & Technology Magnet Courses

Advance Program Linear Algebra

Grade level: 12

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.

Advanced Placement Biology

Grade level: 11 -12

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

Advanced Placement Chemistry

Grade level: 11 - 12

Prerequisite(s): Successful completion (B or higher) in ADV Chemistry or MST Chemistry. 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

Advanced Placement Physics 1

Grade level: 11 - 12

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. Note: College level curriculum taught in a high school setting.

Math, Science & Technology Magnet Courses

Advanced Placement Physics 2

Grade level: 12

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

Web Page Development: JavaScript 1

Grade level: 10-12

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.

Advanced Placement Computer Science A: Java

Grade level: 11 - 12

Prerequisite(s): Computer applications, Programming Introduction

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.

Cyber Science

Grade level: 11-12

Cyber Science provides innovative database analysis, business intelligence, decision support, production reporting and rapid application development solutions. Students will learn how to break barriers to data and liberate information to help users gain strategic advantage.

Information Technology Internship

Grade level: 12

Internship for CTE courses provide supervised experiences associated with classroom instruction.

Visual Art Magnet Course Descriptions

Basic Design

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.

Drawing and Painting I

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.

Ceramics and Sculpture I

Grade level: 10

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.

Drawing and Painting II

Grade level: 10

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.

Drawing III

Grade level: 11 - 12

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.

Visual Art Magnet Course Descriptions

Studio Art 3/Textiles and Printmaking I

Grade level: 11

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 3rd year course.

Advanced Placement Studio Art Drawing

Grade Level: 11

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 3rd year course.

Painting 3

Grade level: 12

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

Printmaking 2

Grade level: 12

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

Visual Art Magnet Course Descriptions

Textiles 2

Grade level: 12

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

Advanced Placement Studio 2-D Design Portfolio

Grade level: 12

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 4th year course.

Advanced Studio 3-D Design Portfolio

Grade level: 11 - 12

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

Visual Art I

Grade level: 9

Prerequisite: Successful completion of middle school art

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.

Visual Art Magnet Course Descriptions

Visual Art 2

Grade level: 10-12

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.

Visual Art 3

Grade level: 11-12

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.

Visual Art 4

Grade level: 12

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.

Visual Communication Design (Graphic Design)

Grade level: 11-12

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 another art media.

3-D Art

Grade level: 10-12

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.

Visual Art Magnet Course Descriptions

Photography I

Grade level: 11 - 12

Prerequisite(s): Recommend completion of Visual Art 1

This is an introductory course in which the student is introduced to basic camera and photographic darkroom techniques. During the school 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.

Photography 2

Grade level: 12

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.

Advanced Placement Art History

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

YPAS - Dance Course Descriptions

Ballet 1, 2, 3, & 4

Grade level: 9 -12

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.

Modern/Jazz Level 1, 2, 3, & 4

Grade level: 9 -12

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.

Fundamentals of Dance I

Grade level: 9-12

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. This course fulfills the required physical education credit for graduation.

Fundamentals of Dance I for Musical Theatre Majors

Grade level: 9 - 12

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. This course fulfills the required physical education credit for graduation.

Advanced Dance Techniques for Non-Majors

Grade level: 9-12

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. **91**

YPAS - Dance Course Descriptions

Advanced Dance Techniques 1 for Dance Majors

Grade level: 9-12

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.

Advanced Dance Techniques 2 for Dance Majors

Grade level: 12

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 Bennet, Bob Fosse, Donald McKayle, Gower Champion, Tommy Tune, Susan Strohman 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.

Advanced Tap Dance 3

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.

YPAS - Dance Course Descriptions

Body Conditioning Performing Arts

Grade level: 9-12

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.

Dance Ensemble 2, 3, & 4

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.

Beginning Tap Dance I

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.

Intermediate Tap Dance 2

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.

YPAS - Dance Course Descriptions

Body Conditioning Performing Arts

Grade level: 9-12

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.

Dance Ensemble 2, 3, & 4

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.

Beginning Tap Dance I

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.

Intermediate Tap Dance 2

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.

YPAS - Music Course Descriptions

Intermediate Band Skills Development

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.

Chamber Ensemble 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Percussion Ensemble/Intermediate Percussion 1, 2, 3, & 4

Grade level: 9-12

Prerequisite(s): audition

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.

YPAS - Music Course Descriptions

Symphonic Band 1, 2, 3, & 4

Grade level: 9 - 12

Prerequisite(s): audition

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.

Wind Ensemble 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Jazz Improvisation 1, 2, 3, & 4

Grade level: 10 -12

Prerequisite(s): Instructor interview and Permission

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.

YPAS - Music Course Descriptions

Marching/Pep Band 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): Instructor Approval

Note: Offered for one-half credit during the fall semester only.

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. 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.

YPAS String Techniques 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

YPAS Chamber String Orchestra 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition and/or Instructor Approval

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.

YPAS - Music Course Descriptions

YPAS Philharmonia Orchestra 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Manual Concert Orchestra 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Conducting

Grade level: 11 - 12

Prerequisite: YPAS Band, Orchestra, Piano, or Vocal Junior or Senior Level and Instructor Approval

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.

Vocal Development 1, 2, 3, & 4

Grade level: 9 – 12

Prerequisite(s): Successful audition into the vocal program.

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.

YPAS - Music Course Descriptions

Ladies Ensemble 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Men's Ensemble 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Chamber Choir 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition and/or Instructor Approval

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.

Concert Choir 1, 2, 3, & 4

Grade level: 9 -12

Prerequisite(s): audition

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.

Applied Guitar 1

Grade level: 9

Prerequisite(s): audition

Students will develop their technique and musicianship on the guitar through ensemble performance. Curriculum is based on the Austin Classical Guitar Curriculum Levels 1 – 3. Students will supplement their knowledge of the guitar through solo performance, performing 1 selection from RCM Preparatory Level and Level 1. Students will identify key signatures up to 2 sharps and perform corresponding scales in one octave, develop an alternating right hand concept, and read fluently within the 1st position. Additionally, Students will develop their ear through “playback dictations” (see Ear Tests) and rhythmic exercises found in Hall’s Studying Rhythm Chapters 1 – 5.

Applied Guitar 2

Grade level: 10

Prerequisite(s): audition

Students will develop their technique and musicianship on the guitar through ensemble performance. Ensemble Curriculum is based on the Austin Classical Guitar Curriculum Levels 4 – 7. Students will supplement their knowledge of the guitar through solo performance, performing selections from RCM Level 1 and Level 2. Students will identify key signatures up to 3 sharps and perform corresponding scales in two octaves, develop an alternating right hand concept, and read fluently within positions 1 - 3. Additionally, students will develop their ear through “playback dictations” (see Ear Tests) and rhythmic exercises found in Hall’s Studying Rhythm Chapters 6 – 8.

YPAS - Music Course Descriptions

Applied Guitar 3

Grade level: 11

Prerequisite(s): audition

Students will develop their technique and musicianship on the guitar through ensemble performance. Ensemble Curriculum is based on the Austin Classical Guitar Curriculum Level 9 and will diverge into increasingly more advanced ensemble arrangements from Hirsch's Guitar Ensemble Music Collection. Students will supplement their knowledge of the guitar through solo performance, performing selections from RCM Level 3 and Level 4. Students will identify key signatures up to 4 sharps and 3 flats and perform corresponding scales in two octaves, read fluently within positions 1 – 5. Additionally, students will develop their ear through "playback dictations" (see Ear Tests) and rhythmic exercises found in Hall's Studying Rhythm Chapters 6 – 8.

Applied Guitar 4

Grade level: 12

Prerequisite(s): audition

Students will develop their technique and musicianship on the guitar through ensemble performance. Ensemble curriculum is set at a collegiate performance level, drawing from Hirsch's Guitar Ensemble Music Collection and a myriad of arrangers. Students will supplement their knowledge of the guitar through solo performance, performing selections from RCM Level 5 and Level 6. Students will identify key signatures up to 6 sharps and 4 flats and perform corresponding scales in two octaves, read fluently within positions 1 – 9. Additionally, students will develop their ear through "playback dictations" (see Ear Tests) and rhythmic exercises found in Hall's Studying Rhythm Chapters 9– 12.

Guitar Technique and Repertoire Development 1

Grade level: 9

Prerequisite(s): audition

Students will develop their technique and knowledge of performance practice through prepared selections and technical requirements from the Royal Conservatory Music Development Series, Guitar Preparatory Level and Level 1. Students will develop their ear through "playback dictations" (see Ear Tests) and rhythmic exercises found in Hall's Studying Rhythm Chapters 1 - 5. Additionally, students will draw upon music history as it presents itself in the literature.

Guitar Technique and Repertoire Development 2

Grade level: 10

Prerequisite(s): audition

Students will develop their technique and knowledge of performance practice through prepared selections and technical requirements from the Royal Conservatory Music Development Series, Guitar Level 2 and Level 3(attached). For each level, students will prepare one selection from List A (Renaissance and Baroque); one selection from List B (Classical and Romantic), and one selection from List C (Late Romantic, 20th, and 21st Century). Students will develop their ear through "playback dictations" (see Ear Tests), interval identification, and rhythmic exercises found in Hall's Studying Rhythm Chapters 6 - 9. Additionally, students will develop a practical use of anatomy as it pertains to their craft through supplemental readings in Horvath's Playing Less Hurt and Constable's What Every Musician Needs to Know About the Body.

YPAS - Music Course Descriptions

Guitar Technique and Repertoire Development 3

Grade level: 11

Prerequisite(s): audition

Students will develop their technique and knowledge of performance practice through prepared selections and technical requirements from the Royal Conservatory Music Development Series, Guitar Level 6, Level 7, and Level 8(attached). For each level, students will prepare one selection from List A (Renaissance and Baroque); one selection from List B (Classical and Romantic), and one selection from List C (Late Romantic, 20th, and 21st Century). Students will develop their ear through “playback dictations” (see Ear Tests), interval identification, and rhythmic exercises found in Hall’s Studying Rhythm Chapters 15-21. Students will also broaden their musical experience through chamber music collaborations within the YPAS department (concerti, duos, trios, songs, etc.). Additionally, students will develop a practical use of anatomy as it pertains to their craft through supplemental readings in Farias’s Biomechanics of Guitar Playing and Izanola’s Summa Kitharologica.

Guitar Technique and Repertoire Development 4

Grade level: 12

Prerequisite(s): audition

Students will develop their technique and knowledge of performance practice on the guitar through prepared selections and technical requirements from the Royal Conservatory Music Development Series, Levels 7 and Level 8. Through a thorough survey of the guitar literature, students will explore musical interpretation, healthy instrumental technique, music theory, and music history. Further, it is the aim of the course to draw connections to a larger cultural context using the guitar, as a solo instrument, as its vehicle. Guitar Technique and Repertoire Development IV works to develop a holistic musician that can meet the demands and growing sophistication of a graded repertoire. The culmination of which is a thirty-minute concert program with student written program notes. Supplemental materials include rhythmic exercises found in Hall’s Studying Rhythm Chapters 15 – 21, sight reading from Sagreras’ Las Terceras Lecciones de Guitarra, as well as a variety of ear training exercises (interval identification, melodic “playback” dictations) as it relates to the guitar.

Piano Keyboard I

Grade level: 9 -12

Prerequisite(s): None

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.

YPAS - Music Course Descriptions

Intermediate Piano

Grade level: 9-12

Prerequisite(s): Keyboard Lab/audition/Instructor approval

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.

Applied Piano 1

Grade level: 9- 10

Prerequisite(s): audition

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.

Applied Piano 2

Grade level: 9 - 10

Prerequisite(s): Applied Piano I

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.

Applied Piano 3 & 4

Grade level: 11-12

Prerequisite(s): Piano I and II

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.

Music Theory I

Grade level: 10 -12

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.

Advanced Placement Music Theory

Grade level: 11 - 12

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.

YPAS - Theatre/Design & Production Course

Exploring Theatre

Grade level: 9 -12

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.

Exploring Theatre for Musical Theatre Majors

Grade level: 9

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.

Theatre I

Grade level: 9

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.

Theatre 2

Grade level: 10

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.

YPAS - Theatre/Design & Production Course

Theatre 3

Grade level: 11

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.

Theatre 4

Grade level: 12

Prerequisite(s): Theatre 1, II, and III

The final year of theatre training at YPAS will be focusing on that which is essential for your development as a college-ready theatre student. To this end, we will further develop the psychophysical instrument, hone classical/contemporary monologue skills, and explore post-modern/contemporary theatre practices to gain a new understanding of theatre-making and the performer/audience relationship. The primary emphasis for senior year is the "creative process". We will engage in various characterization techniques and physical training methods to gain a better understanding of our own creative individuality.

Fundamentals of Directing/Stage Production 3

Grade level: 11-12

Prerequisite(s): Non-majors must take Exploring Theatre AND have teacher approval.

This is a practical course 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: reading from the assigned text and selected articles from Theatrical Publications, lectures/discussions focused on the history of the director in theatre, dramatic imagination, directorial concept, creative process, rehearsal process, stage management, the design team, script selection and play script interpretation. Rehearsals will be a weekly, if not a daily, part of class. Each student is to direct one New Works piece in the spring semester; however, this is not a guarantee. The last six weeks of the course will focus on film studies.

Fundamentals of Directing/Stage Production 4

Grade level: 11-12

Prerequisite(s): Non-majors must take Exploring Theatre AND have teacher approval

This is a practical course designed to review and build upon learned material from the Fundamentals course and to increase your understanding of directing and analyzing a variety of different forms of dramatic literature. The class will include analysis and/or direction of Classical Greek, Renaissance, Realism, Contemporary and/or Avant-garde theatre styles. The class performance requirements include: directing a one act play with at least three characters to be performed in October, direction of a modern realism scene in November/December, direction of a New Works piece in the spring semester, adaptation of a novel excerpt or short story to a Chamber Theatre piece for final project. In addition, the last six weeks of the course will build upon film studies beginning with German Expressionism.

YPAS - Theatre/Design & Production Course

Playwriting I

Grade level: 10-12

Prerequisite(s): Instructor approval.

This course requires each student to learn the following basic principles: 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.

Playwriting 2

Grade level: 11-12

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.

Playwriting 3

Grade level: 12

Prerequisite(s): Playwriting I & 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.

Musical Theatre Lab 2, 3, & 4

Grade level: 10 -12

Pre-requisite(s): Some training in Dance, Vocal or Instrumental Music and/or Acting is encouraged. Required course for sophomore Musical Theatre Majors. 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.

American Musical Theatre 2, 3, & 4

Grade level: 11 -12

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 rehearsal 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 individual performance skills.

YPAS - Theatre/Design & Production Course

Design and Production 1, 2, 3, & 4

Grade level: 9 -12

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.

Stagecraft for Majors - Production Laboratory 1, 2, 3, & 4

Grade level: 9-12

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 mandatory "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 a week. Schedules of specific times and dates are provided.

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Manual Assistant Principals

Paula Boggs
Craig Klingenfus
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