

**MARION L. STEELE
HIGH SCHOOL**

2017-2018

PROGRAM OF STUDIES

DEAR PARENTS/GUARDIANS . . .

It is with great enthusiasm that I welcome you to the pages of the Marion L. Steele High School Program of Studies. The choices that your child makes, along with your help and guidance, will be building blocks for future educational pursuits and/or career opportunities.

Marion L. Steele High School offers a wide-range of curriculum and courses that are reviewed each year and are revised, when necessary, to meet up with the changing needs of students in our society.

Please review the entire list of offerings, not only concentrating on goals for this school year, but also thinking ahead to anticipate future endeavors, noting prerequisite classes that may apply.

The administration and staff of Amherst Schools are committed to providing the best possible educational programs for students. Please feel free to contact your child's guidance counselor if you have questions regarding scheduling.

Best wishes for a GREAT year of learning!

Sincerely,
Steve Sayers
Superintendent

DEAR STUDENTS

Between the covers of this guide you will find the substance of the educational programs in Marion L. Steele High School. Please take the time to read the descriptions of our course selections carefully. As you outline the course plan that coincides with your post-graduation plans, discuss this information with your parents. If you need assistance in the process, your counselor will be very willing to work with you.

Please make sure you understand that the decisions you will make are very important. Although some schedule changes can be made before the end of the present school year, they will be extremely limited after that time.

Good luck as you work through the registration process.

Sincerely,
Michael May
Principal

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2017-2018 COURSE FEES

Activity Fee	10.00
Advanced Biology 1	8.00
Advanced Chemistry 1	15.00
Advanced Chemistry 2	5.00
Advanced Physical Science.....	10.00
AP Biology	15.00 (+ AP testing fee)
AP Chemistry.....	5.00 (+ AP testing fee)
AP English 11	AP Testing Fee
AP English 12.....	AP Testing Fee
AP European History.....	AP Testing Fee
AP Government.....	AP Testing Fee
AP Physics/Calculus.....	20.00 (+ 2 AP testing fees)
AP U.S. History.....	AP Testing Fee
Art 1	25.00
Art 2	25.00
Art 3	30.00
Art 4	30.00
Art 5	30.00
Biology 1	8.00
Biomimicry.....	10.00
Chemistry 1	15.00
Earth and the Environment.....	10.00
Forensic Science	10.00
Principles of Food & Textile Management.....	30.00
Culinary Fundamentals & Wellness.....	35.00
Pay to Participate... ..	400.00
Physical Science.....	10.00
Physics 1.	10.00
Physics 2.	10.00
Practical Science	10.00

AP Testing Fee is \$85.00

PAY TO PARTICIPATE POLICY

There will be a pay to participate fee, which must be paid in full by 3:30 p.m. on the following dates:

Fall Sports: Marching Band and Drama Club: August 11, 2017

Winter Sports and Academic Team: November 10, 2017

Spring Sports: March 9, 2018

SCHEDULING

Each February, Marion L. Steele High School students have an opportunity to select courses for the next school year. In February, web-based scheduling will begin for current Marion L. Steele students with a user name and password. Students are encouraged to consider their academic needs and future goals and to involve their parents in the scheduling process.

In April, a master schedule is created from all student requests. In mid-May, students will receive their preliminary schedule for next year. Most schedule changes can be adjusted in May and June. In August and beyond, schedule changes become extremely difficult due to supplies, books, classroom spaces and class sizes which have been arranged based on student selections. Therefore, schedule changes will be limited and completed for valid academic reasons only starting on the first day of classes in August.

Schedule Changes

After on-line scheduling is completed, a student's schedule will be changed for the following reasons only:

1. To correct an incomplete schedule.
2. To resolve conflicts in requested courses.
3. To meet graduation requirements.
4. To accommodate approved educational programs.
5. To add a class, provided an opening exists in the class and in the student's schedule there first must be written parental approval.

Schedule changes will not be made for:

1. Teacher preference
2. Late arrival or early dismissal from school
3. Work considerations
4. Transportation
5. Special lunch request

Course Recommendation

A teacher recommendation may be required for certain courses. If a parent chooses to have their student enrolled in a class not recommended by a teacher, then the parent must contact the guidance department for a Parental Override form.

Withdrawal Policy

Once scheduling is complete it is the understanding there should be no adjustments unless the reason is one of the above. Students cannot withdraw from a course that are achieving a 70% or better academically. Students withdrawing from a course who do not meet the following guidelines may have an "F" placed on their transcripts. Students should follow this procedure prior to attempting to drop a course:

1. Documentation displaying the student contacted the teacher for additional support.
2. Documentation displaying the student attained the additional support for at least one grading period.
3. Request their counselor contact the teacher to inquire regarding academic placement.
4. The counselor will contact the appropriate assistant/associate principal regarding the academic placement.

ABOUT THIS PROGRAM OF STUDIES...

What's in your future? How long will you continue your formal education? Are you planning to conclude it at the end of twelfth grade, go on to a special career-oriented school or continue with academic work at the junior college/college level? Maybe you want to learn special skills through high school programs in the business department or at the vocational school. Now is the time for you to consider all these possibilities and plan accordingly.

This is your guide. Read it carefully to learn the requirements you need for graduation and to become aware of all the options available to you. Choose your courses carefully, keeping in mind YOUR career or educational plans. Be certain that your course selections help you reach your goals.

Your program of studies offers many kinds of information. It includes descriptions of required and elective courses for each grade, statement of graduation requirements, descriptions of course sequences and alternatives, and an explanation of the total program offered in the senior high school.

Careful thought and consideration should be given to the selection of challenging and rewarding courses for your high school years. Decisions about course selections are important due to their long-range effects on your future life. Decisions reached by you and your parents at the end of the course selection process will be considered a firm commitment with the school. Course changes in the fall of the school year will be discouraged.

You should have alternative course selections in mind in case a described course is canceled because of low enrollment. Specific questions relating to program options or course selections should be directed to the building principal and/or your counselor.

WHICH COURSES SHOULD YOU TAKE?

Various choices are open to the students attending Marion L. Steele High School which will help each student to prepare for his/her future plans. Such plans may include admission to a college or university, U.S. military options, vocational/technical programs or employment immediately after high school.

Interests do change and career goals are being formulated while you are in high school. There are many factors that contribute to success in high school. In many cases the type of course work you select is a better indicator of success than the grades you receive. Colleges, business schools, vocational/technical schools and potential employers will give the greatest weight to your high school course selections and the grades you receive. It is for this reason that a student who has attempted a more demanding course load but who has a lower grade point average (GPA) may be offered admission to a school or employment before the student with a higher grade point average in a weak course load.

We fully realize that you can graduate from high school with course work which is less demanding, but we recommend that each student should challenge himself or herself to go beyond the minimum requirements for graduation.

Remember, the better your high school preparation, the better your chances are for success in your future plans.

Steele Guidance Staff,
Mrs. MaryJane Loushin, A-G students
Miss Sarah Rigda, H-O students
Mr. Bob Harcula, P-Z students

MARION L. STEELE HIGH SCHOOL GRADUATION REQUIREMENTS

Specific requirements of the Ohio Department of Education and the Amherst Exempted Village Schools Board of Education mandate that students majoring in the college preparatory/liberal arts or the college tech prep program of study must earn a minimum of 24 credits in grade 9, 10, 11 and 12 to be eligible to receive a diploma. Students majoring in vocational programs at the Lorain County JVS must earn a minimum of 21 credits in grades 9, 10, 11 and 12. It is the responsibility of the student and parent to know and understand the requirements for graduation and to make plans accordingly.

To participate in commencement/graduation ceremonies, students must fully complete all graduation requirements and credits as outlined in the programs of study shown below. Students who complete their requirements through summer school or approved tutoring at a later date will **not** participate in the graduation/commencement ceremonies.

REQUIREMENTS FOR GRADUATION

College Prep

English Language Arts	4 Credits
Mathematics	4 Credits
Science	4 Credits
Social Studies	4 Credits
Foreign Language	2 Credits
Health	1/2 Credit
Physical Education	1/2 Credit
Personal Finance	1/2 Credit
Fine Arts	1 Credit
Electives	<u>3.5 Credits</u>
	24 Credits

College Technology/Tech Prep Program*

English Language Arts	4 Credits
Mathematics	4 Credits
Science	3 Credits
Social Studies	4 Credits
Technical Preparation	6 Credits
Health	1/2 Credit
Physical Education	1/2 Credit
Personal Finance	.5 Credits
Electives	<u>1.5 Credits</u>
	24 Credits

* It is recommended students following this academic program and planning to attend college include at least 1 credit of Fine Arts and 2 credits of Foreign Language within their elective requirements.

Vocational Program **

English Language Arts	4 Credits
Mathematics	4 Credits
Science	3 Credits
Social Studies (incl. Gov't)	3 Credits
Health	1/2 Credit
Physical Education	1/2 Credit
Vocational Program	6 Credits
Personal Finance	<u>.5 Credits</u>
	21.5 Credits

**Students must earn a minimum of 6 vocational credits.

**Students following this academic program may be admitted to college but may be required to take additional courses to meet academic requirements.

Students pursuing the vocational program need 10 credits at the end of the sophomore year in order to apply.

HIGH SCHOOL GRADUATION REQUIREMENTS

Beginning with the Class of 2018

The graduation requirements for the classes of 2018 and beyond include curriculum and three options to show readiness for next steps in college and careers.

College Prep

English	4 Credits
Math	4 Credits
Science	4 Credits
Social Studies	4 Credits
Foreign Language	2 Credits
Health	.50 Credit
Personal Finance	.50 Credit
Physical Education	.50 Credit
Fine Arts	1 Credit
Electives	3.5 Credits
Total	24 Credits

College Technology/Tech Prep Program

English	4 Credits
Math	4 Credits
Science	3 Credits
Social Studies	4 Credits
Technical Preparation	6 Credits
Health	.50 Credit
Personal Finance	.50 Credit
Physical Education	.50 Credit
Fine Arts	1 Credit
Electives	1.5 Credits
Total	24 Credits

Vocational Program

English	4 Credits
Math	4 Credits
Science	3 Credits
Social Studies(incl. gov't)	3 Credits
Vocational Program	6 Credits
Health	.50 Credit
Personal Finance	.50 Credit
Physical Education	.50 Credit
Fine Arts	1 Credit
Total	21 Credits

AND: MEET ONE OF THE FOLLOWING THREE REQUIREMENTS

College Prep

Students earn a cumulative passing score of 18 points using seven end-of-course state tests. To ensure students are well rounded, they must earn a minimum of four points in math, four points in English and six points across science and social studies.

End-of-course exams are:

- Algebra 1 and Geometry or integrated math 1 and 2
- Biology
- American History and American Government
- English 1 and English 2

Industry Credential and Workforce Readiness

Students earn 12 points through a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score on the WorkKeys assessment. The state of Ohio will pay one time for those who take the WorkKeys assessments

College Admission Test

Student earn "remediation-free" scores in English language arts and mathematics on a nationally recognized college admission exam. The state of Ohio will pay one time for all 11th grade students in the classes of 2018 and beyond to take the exam free of charge.

Students who score a 1 or 2 on any exam will have the opportunity to retake that exam at a later date.

For more information regarding graduation requirements please visit: education.ohio.gov

THE ADVANCED PLACEMENT PROGRAM AT MARION L. STEELE HIGH SCHOOL

Advanced Placement courses are the highest level classes offered at Marion L. Steele High School. Currently there are six Advanced Placement classes in the areas of English, Math, Social Studies, and Science. Students must take the Advanced Placement Examination as the culmination of their advanced placement experience. Examinations are offered in May of each year. Some colleges, in turn, grant credit and/or appropriate placement to students who have scored well on the examinations. AP course descriptions are listed in individual department sections. **AP examination is required to receive course credit. AP classes do not automatically receive college credit.**

HONORS/ADVANCED PLACEMENT/CCP

Honors/AP Classes are characterized by the following:

Workload – (both in-class and homework) exceeds that assigned in other courses in the same department.

Independent work – the amount expected of the student is greater than other courses

Complexity and difficulty of material – material is more difficult and complex than general education curricula

Critical thinking skills – Honors/AP classes require a greater amount of activity at the higher levels of critical thinking, including synthesis and evaluation

The student selection process for Honors or AP courses is designed to make the program available to those who will profit from the challenging work offered. Three (3) factors are considered before a student is admitted to Honors or AP classes.

- a. level of academic achievement
- b. evaluation of previous teacher
- c. the expressed desire of student

On-site Advanced classes are weighted .5 points.
On-site Honors classes are weighted .5 – 1.0 points.
On-site CCP & AP classes are weighted 1.0 points.



Comet College Connection (COLLEGE CREDIT PLUS)

Ohio's Dual Enrollment Program, College Credit Plus (CCP) program, formerly know as Post-Secondary Enrollment Options Program (PSEOP), allows Ohio high school students to earn college credit and high school graduation credit through the successful completion of college courses. The purpose of Comet College Connection (CCC) is to promote rigorous academic pursuits and expose students to options beyond the high school classroom. Any high school student admitted to a course by an institution of higher education will be required to perform at the same level as the institution's regular students. The CCC allows seventh through twelfth graders to take college courses at a college campus or, when available, onsite at their high school.

The Ohio Legislature expects to have information available through their website after February of 2015 (www.ohiohighered.org/college_credit_plus).

Comet College Campus Requirements **Criteria Participation in Comet College Campus**

Students must meet assessment scores for some college courses. These placement scores indicate college-readiness which adhere to Ohio's guidelines. (<http://www.lorainccc.edu/Admissions+and+Registration/compass.htm>)

Students must submit through a Guidance Counselor required forms which indicate if the student can register and/or continue his or her enrollment. If requirements are not met, a student will not re-enroll.

Course Limitations

FRESHMAN:

One course per semester.

Must meet prerequisite to enroll in a course.

Students must enroll in any level of English 9 at Marion L. Steele High School.

SOPHOMORES:

Two or more courses per semester may be permitted.

Must meet prerequisite to enroll in a course(s).

Students must enroll in any level of English 10 at Marion L. Steele High School.

JUNIORS & SENIORS:

Equivalent of a high school day.

Students wishing to enroll in LCCC'S English 161 and/or LCCC'S English 162 must have successfully completed any level of English 9 and any level of English 10.

Students wishing to enroll in LCCC'S History 151 and/or LCCC'S History 152 must have successfully completed American History and Government.

POST SECONDARY OPTIONS

The Ohio Revised Code establishes a program to provide a variety of educational options for high school students. One option is to continue your education at a local community college or four-year institution. Listed below is a summary of the new post secondary options provided:

Credit - In - Escrow:

Student may choose to attend a college and receive college credit in escrow. This means a student will not receive college credit until they graduate from high school. The student must pay tuition and fees as established by the college or university and must pay for textbooks and materials.

1. Students successfully completing college courses under Credit-In-Escrow may be awarded high school graduation credit. Requests must be made in writing before the class begins.
2. If, after high school graduation, an individual enrolls in a college attended as a high school student, the college must award full credit for all courses successfully completed.

Option B:

Students may choose to attend a college and receive both college credit and high school graduation credit. Colleges and universities enrolling students under this option will be reimbursed from local school funding for tuition, textbooks and materials. Students must notify their Amherst Steele Counselor no later than June 1st each year if they plan to enroll in the Option B program. Grades earned in the college courses will figure in the high school G.P.A.

1. Students successfully completing college courses will receive high school credit for graduation as appropriate.
2. If, after high school graduation, an individual enrolls in a college attended as a high school student, the college must award full credit for all courses successfully completed.

PROGRAM ELIGIBILITY

All students in grades 7 – 12, are eligible to apply. Students must meet the application and testing deadlines and achieve a qualifying score on the Compass Test or ACT.

HIGH SCHOOL CREDIT CONVERSION

1. 5 semester hours of college credit = 1 high school credit
2. 4 semester hours of college credit = 1 high school credit
3. 3 semester hours of college credit = 1 high school credit
4. 2 semester hours of college credit = .66 high school credit
5. 1 semester hour of college credit = .33 high school credit
6. Fractional high school credits shall be awarded.

COURSE LOAD

1. A student must schedule enough credits at high school and/or college to maintain a full-time student status.
2. The maximum number of credits that a student may schedule at high school and/or college may not exceed the number of courses the student may schedule using the total number of periods available at the high school during the official school day (maximum is 8 credits per year).

TRANSPORTATION

1. Students participating in Dual Enrollment Options will be required to provide their own transportation to and from the area college.
2. Students enrolled in college for high school credit only may qualify for full or partial reimbursement for the necessary cost of transporting the student between the secondary school he/she attends and the college in which he/she is enrolled. Reimbursement shall be based on the school district's average cost of transporting students.

APPLICATION MUST BE ON FILE AND TEST TAKEN BY June 1, 2017. PLEASE SEE YOUR COUNSELOR WITH ANY QUESTIONS.

Marion L. Steele Guidance Department

CCP Agreement Form

I hereby certify that my son/daughter has received appropriate counseling of the Post Secondary Enrollment Options Program and CCP now available to high school students. I also understand my responsibilities as parent/guardian with my son/daughter's participation in the program.

I have been informed of the following: program eligibility, process for granting credit, financial arrangements (tuition, books, materials, fees) criteria for transportation, available support services, scheduling, consequences of failing, student's academic and social responsibilities, graduation requirements, and use of college counseling services.

I have also been informed of my academic and social responsibilities as a parent/guardian in the following: acceptance by the college, meeting all requirements and standards for college courses, attendance requirements and means of transportation. I understand that all grades earned in the CCP will be part of my son/daughter's permanent academic record in high school.

I understand that under CCP, should my son/daughter fail or withdraw from any course, I will be held financially responsible for all tuition fees, books, and costs associated with my child's enrollment. I give permission for the college to exchange education records with Marion L. Steele High School. As a parent, I believe my son/daughter possesses the maturity and academic ability necessary to complete college-level work successfully.

As a student, I believe I am a mature, self-motivated individual who is able to study at the advanced level required for academic success in college course.

Parent/Guardian Signature

Print Name (Parent/Guardian)

Student Signature

Print Name (Student)

Counselor Signature

Current Grade

Date

This form must be signed and returned prior to CCP registration.

From the Ohio Department of Higher Education: ORC 3365.09(A) *A school district or nonpublic school may seek reimbursement from students/families under the following two circumstances: 1) If the student receives a failing grade at the end of the college course; or 2) If the student withdraws from or drops the college course subsequent to the 14th calendar day after the particular course began, unless the student is identified as being economically disadvantaged in accordance with Ohio Administrative Code 3333-1-65.6(B)(2)* <https://www.ohiohighered.org/ccp/faqs>

**College Credit Plus
Comet College Campus**

Classes at Marion L. Steele	Grades	HS Credits	LCCC Credits	Prereq.
BIOG 121	11,12	1	4	YES
BIOL 122	11,12	1	4	YES
ENGL 161, ENGL 162	11,12	2	6	YES
ENGL 255, ENGL 257	12	2	6	YES
HSTR 151, HSTR 152	11,12	2	6	YES
HSTR 161, HSTR 162	11,12	2	6	YES
MTHM 168	10, 11, 12	1	3	YES
MTHM 171	10, 11, 12	1	4	YES
MTHM 172	10, 11, 12	1	3	YES
SPHN 251, SPNH 252	11, 12	2	6	YES

*Students may take 30 credit hours.

The mission of the Career Based Intervention Program (CBI). . .

The Career Based Intervention (CBI) program is a career-technical education program designed for students ages 17-19. The program goal is to help students to improve academic competence, graduate from high school, develop employability skills, implement a career plan and participate in a career pathway in preparing for postsecondary education and careers.

Students interested in CBI should apply at Marion L. Steele High School by contacting your school counselor.

CBI PROGRAM

CBI Careers: 11th & 12th grades

Credit: 1 (per year)

The Career Based Intervention (CBI) program meets on a daily basis to improve the students knowledge of career pathways, labor laws, and Core Integrated Technical and Academic Competencies (ITACs).

CBI Work Lab: 11th & 12th grades

Credits: 1 – 2 (per year)

Each CBI student is required to have a job outside of the school. A minimum of 150 work hours per semester are required for full credit. Student jobs must meet Ohio and Federal child-labor laws.

VOCATIONAL PATHWAY LORAIN COUNTY JVS VOCATIONAL/TECHNICAL TRAINING

The Lorain County JVS provides two-year training programs in a variety of career areas leading to a job or further post-secondary training. To be admitted to the JVS, students need to apply as part of their sophomore scheduling process.

REQUIREMENTS FOR ADMISSION

- A. Students must have completed a minimum of two years at Steele and be sixteen (16) years of age by January 1 of the school year in which the student begins classes at the JVS.
- B. Students applying to any of the two-year JVS programs should have accumulated a minimum of 10 credits at Steele. The following credits are suggested minimum requirements:
- | | |
|-----------------------------|----------------------------------|
| 2 credits of English | 2 credits of Social Studies |
| 2 credits of Math | 1/2 credit of Health |
| 2 credits of Science | 1/2 credit of Physical Education |
| .50 credit Personal Finance | 1 credit of Fine Arts |

10TH Graders – If you apply to JVS, you only need to select JVS for your schedule at Steele

COURSES OFFERED AT LORAIN COUNTY JVS

Building Trades Academy

Carpentry

Learn the basics of wood-frame construction including project lay out and designs, the use of hand and power tools, blueprint reading, cost estimation, insulation, exterior finishing, and more.

Heating/Air

Install and repair air conditioning and heating units used in homes, offices, and factories.

Industrial Electricity

Learn to maintain, install, and repair electrical wiring equipment used in residential and industrial settings. Students work with computer programmable controlling and electric motors.

Masonry Trades

Estimate, layout, and construct masonry walls, partitions, fireplaces, chimneys, patios, driveways, and home foundations.

Plumbing/Pipe fitting

Learn to install and repair plumbing systems in residential and commercial settings. Work-based learning will be emphasized with on-the-job training sites in cooperation with the Building Industry Association of Lorain County.

Business and Marketing Academy

Web and Graphic Design

The students in this program will use the Cisco Academy program as they learn the techniques needed to work in areas such as animation, media design, and Web design.

Marketing/Management

Students will continue to operate the school store, The Corner Shoppe, as well as study advertising, sales, promotion, pricing, and other marketing and management topics including e-commerce.

Culinary Academy

Bakery/Pastry Arts

Learn basic and advanced techniques working on/with items like marzipan, chocolate, meringues, breads, and cake decorating. Sanitation and safety as well as the science of baking and pastries will be included.

Culinary Arts

Plan, prepare, and cleanly and safely serve food for large numbers of people in restaurants, hospitals, cafeterias, and schools.

Manufacturing/Pre-Engineering Academy

Computerized Design & Drafting

Draw and calculate working plans used in manufacturing and construction. Students acquire both manual and computer aided drafting (CAD) skills used in electrical, mechanical, architectural, aeronautical, and civil engineering areas.

Precision Machine Technology

Shape and cut metal and plastic parts on lathes, milling machines, grinders, drills, and other power driven machines.

Welding & Fabrication

Setup and operate welding equipment to position, align, fit and weld parts together. Customer projects are used for students to learn layout, fabrication, and welding techniques.

Transportation Academy

Auto Technology

Students learn to diagnose, adjust, and repair automotive systems including engines, transmissions, suspensions, brakes, electrical and air conditioning.

Collision Repair

Frame and body straightening, welding, refinishing, painting, replacing glass, installing upholstery, estimating costs, and preparation of insurance forms.

Commercial Truck Technology

Diesel and gas engines, electrical, fuel, brake, and clutch systems on trucks and buses. Transmissions and drive trains, lubrication and maintenance will also be covered.

Industrial Equipment Mechanics

Small and large equipment repair and maintenance, welding, engine and power train overhaul, parts and service training, hydraulic and diesel and fundamentals. Tractors, trucks, industrial and agricultural equipment.

Service Cluster

Cosmetology

Scientific study and practice of beauty culture which includes hairstyling, hair cutting, manicuring, skin care, chemical services and all related areas including the sciences, professional ethics, and employability skills. This is a 1500 hour state certified and program in preparation for state licensing.

Early Childhood Education

Through working directly with preschool age children, students experience operating a nursery school, learn about child growth and development, lesson plans, human relations, and nutrition.

Landscaping/Greenhouse Management

Aspects of landscape design, greenhouse management and production, equipment operation and maintenance, golf course and sports turf management, floral design, garden center operation, customer service, and business management.

Public Safety

Students will learn the basics of Public Safety. These areas include Law Enforcement, Emergency Medical Technician and Firefighting. Specific topics of study include dispatch, communications, incident command, Homeland Security, lifesaving techniques and fire behavior and control.

One Year Programs Requiring Recommendation

Building Maintenance

One-year junior program for students with special needs. It is designed to prepare students with basic skills in many different maintenance occupations, including interior and exterior maintenance, basic electricity, carpentry, and basic plumbing.

Hospitality/Institutional Services

A one-year program for students with special needs. It is designed to prepare students with basic skills in service occupations including food service, health care, child care, laundry care and commercial housekeeping skills.

Career Based Intervention (Co-op) formerly OWE

This is a senior only program designed to serve students who may be behind in academic credits. Students are eligible to receive seven credits with a minimum of 15 hours of work per week. All students must have a valid driver's license, their own transportation, and be recommended by their counselor.

Career Exploration formerly OCP

Career Exploration is designed for 9th or 10th grade students who are at least 15 years old and who are interested in exploring careers in various vocations. Students will have the opportunity to develop leadership, communication, problem solving, as well as critical thinking skills. The Career Exploration program will provide students with hands-on experiences in a variety of trade areas as well as allow students to research careers suitable for their individual interests and learning styles. The focus will be on project-centered learning; an approach to learning that emphasizes connections between ideas in an area or discipline, between one discipline and another, and between schools and the outside world. **Students are selected on a recommendation basis only by their high school counselor or principal.**

Career Readiness Lab

This career readiness lab is for 14 and under students with a structured lab. **Students are selected on a recommendation basis only by their high school counselor or principal.**

Job Training Program The Work Adjustment Program at the Lorain County JVS offers a variety of flexible educational options for students who are receiving Work Study services through their home school.

TECH PREP PATHWAY COLLEGE TECHNOLOGY PROGRAMS

(at Marion L. Steele High School)

All College Technology Programs are two-year programs. Sophomores are eligible to apply if they will have earned the following credits after two years of high school: English (2), Science (2), Math (2 - including Algebra I), and Social Studies (2). Entrance into the College Technology Programs will be determined on a competitive basis by evaluating student grades, attendance, course requirements, and skill tests. Some programs may require an interview. A separate application is required for these two-year programs.

Network Communication Technology (NCT)

The Network Communication Technology Program is a two (2) year program with an emphasis on the knowledge required for an entry level job in the IT/Computer field. Students must apply for the NCT Program. Students who are accepted into the NCT program completes six (6) of the seven (7) available classes (four required and two NCT Electives) (below) to complete the program – three (3) classes each year. Students may earn college credits.

NCT classes REQUIRED COURSES:

NCT: Computer Hardware – Recommended 1st Year Class

Subject Code: 145025

Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security.

Communication skills and professionalism in troubleshooting situations will be emphasized.

Available to: Grades 10, 11, 12

NCT: Computer Software – Recommended 1st Year Class

Subject Code: 145030

Students will apply knowledge and skills of commercial and open source operating systems in portable, stand alone, and networked devices. Students will install a variety of operating systems manually and using remote assistance. They will learn to configure, modify, and troubleshoot operating systems. Desktop virtualization, system security, and operating system history will be addressed.

Available to: Grades 10, 11, 12

Network Operating Systems – Recommended 2nd Year Class

Subject Code: 145040

Students will perform desktop client administrator duties by providing support for users in various work environments including professional offices, small

businesses, work groups, departments, and/or corporate information services (IS). Students will learn to install, configure, and update commercial and open source network operating systems.

Available to: Grades 10, 11, 12

NCT: Networking – Recommended 2nd Year Class

Subject Code: 145035

Students will install, configure, and troubleshoot network hardware and peripherals. Students will learn networking by exploring the OSI model, network topologies, and cabling. Students will design simple networks, know how to select physical devices, and can configure the equipment. Knowledge and skills relating to the operation and usage of network protocols will be developed.

Students will perform desktop client administrator duties by providing support for users in various work environments including professional offices, small businesses, work groups, departments, and/or corporate information services (IS). Students will learn to install, configure, and update commercial and open source network operating systems. This course will address securing networks and operating systems. Students will learn to secure network communications, computer hardware, and network software. Topics included are network security theory, cryptography, security architecture, firewalls, VPNs, IP Security, and methods of protection.

Available to: Grades 10, 11, 12

NCT Elective Courses:

NCT: Video and Sound (Multimedia)

Subject Code: 145110

Students will create professional video and audio productions for distribution in traditional and new media channels. Students will plan, produce, edit, and launch media products. Students will develop scripts and storyboards, compose shots and operate cameras, capture sounds using microphone hardware, apply special effect techniques, and edit to achieve the final product. Students will be able to use animation and graphic design for video.

Available to: Grades 10, 11, 12

NCT: Object Oriented Programming

Subject Code: 145065

Students will learn to represent programming concepts as "objects" that have data fields and associated procedures known as methods. Students will implement classes such as support static, instance method, inheritance, polymorphism, exception handling, and object serialization. A variety of commercial and open source programs and applications will be used. End of the course may focus on game design and mobile device applications. Students will learn about user rights and responsibilities, concurrency security, reliability, backup and recovery to perform tasks involved in the administration and management of a database system. Students will design, extract and transform data ensuring data quality. Knowledge and skills relating to reporting systems, data warehouses, and data mining will be developed.
Available to: Grades 10, 11, 12

NCT: Information Technology Capstone

Subject Code: 145015

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Information Technology program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship. (Must complete Computer Hardware & Computer Software to sign-up for this class).
Available to: Grades 10, 11, 12

<i>Recommended 1st Year</i>	<i>Recommended 2nd Year</i>
Computer Hardware Computer Software NCT Elective	Networking Networking O.S. NCT Elective

Broadcast Journalism: Steele News Live 1 (BJSNL1)

Credit: 3

Grade: 11

Length: 3 Blocks During Junior Year

This course is the first year of a two-year program. The class introduces students to the process of successful public speaking and the technology needed for all phases of TV Production. Students research, write, and give speeches (informative, persuasive, demonstration). They also gain hands-on experience operating all the equipment in our professional television studio including video cameras, editing computers, audio boards, video switcher, studio cameras, and others. Students can earn up to six college credits through Lorain Community College for successful completion of both classes in this two-year program.

Broadcast Journalism: Steele News Live 2 (BJSNL2)

Credit: 3

Grade: 12

Length: 3 Blocks During Senior Year

Prerequisite: (BJSNL1)

Lights! Camera! Action! You are on *Steele News Live*! This course is the second year of the BJSNL program and is for seniors. Using the skills learned during BJSNL1, our seniors write, edit, produce, and perform *Steele News Live*- Steele High School's award-winning LIVE daily newscast! Shows are watched by the entire school daily and streamed live online and posted on YouTube. Students learn how to produce video news packages and they cover school events. Students also perform all on-air and behind-the-scenes jobs on a rotating basis (no specialization). Also, issues that face the television industry and a historical perspective of television are explored during senior year. Students can earn up to six college credits through Lorain Community College for successful completion of both classes in this two-year program.

TECH PREP PATHWAY

COLLEGE TECHNOLOGY PROGRAMS (at Lorain County JVS)

The College Technology Program is a 2-year program of study that combines traditional college-prep academic classes with specialized lab instruction in the technology area of choice: computer networking, health sciences, interactive multimedia, or manufacturing engineering. More specifically, CTP students take the same English, science, social studies, and math courses that all college-bound students take. However, their elective time is spent in lab settings troubleshooting, creating, solving, building and designing. The learning is hands-on with real-world problems to tackle. Students get the chance to experiment and practice in addition to taking notes and attending lectures. They can also “try out” their potential career field before investing in college tuition.

Project Lead the Way (PLTW)

Credit: 3

Grade: 11, 12

Learn the basics of mechanical engineering including robotics, computerized manufacturing techniques, fluid power, and motor controls.

Network Communications Tech 1 (NCT)

Credit: 3

Grade: 11

NCT allows students to prepare for a variety of careers in computer information systems, with a special emphasis on network design, operation and maintenance. Courses focus on computer programming, CISCO router systems (including the possibility of CCNA certification), connectivity, web design, etc.

Network Communications Tech 2

Credit: 3

Grade: 12

This course is a continuation of the Network Communications Tech I (NCT) program.

Digital Media Arts 1

Credit: 3

Grade: 11

Students work in a digitally integrated computer lab and studio environment where they gain hands on experience with high definition digital cameras and still cameras as well as digital audio and lighting equipment. Students use industry standard software to create digital content that can be applied to a career in video/film production, two-dimensional/three dimensional animation, photography and print media. They will also learn and apply the foundations of color theory, design and conceptualization while attending the program.

Digital Media Arts 2

Credit: 3

Grade: 12 This course is a continuation of the Digital Media Arts 1 program.

Allied Health Sciences

Credit: 3

Grade: 11, 12

Open to all students with a sincere interest in a health career. Strong math and science skills are a plus to be successful in this highly academic tech prep course. Students have the opportunity to earn up to 19 college credits through articulation agreements with LCCC

Marion L. Steele Amherst

Medical Health Technology

Medical Health Tech is a 2-year program that prepares you to pursue a degree in allied health care. Most course work in Medical Health Technology is articulated with Lorain County Community College. The student must earn a grade of 75% or 80%, depending on each course, to earn full college credit at no cost. As of Spring, 2017*, the Medical terminology and Exercise Science are College Credit Plus courses. In addition to the coursework, student participate in service learning throughout the community (hospitals; clinics; businesses). They must provide their own transportation.

Medical Health Technology 1 (MHT1)

LCCC ALHN 110 Medical Terminology

Credit: 1 (3 LCCC credits)

Grade: 11

This course will introduce medical terminology including common medical word roots, prefixes, suffixes and combining forms. It will include common medical abbreviations, pronunciation, spelling and definitions of medical terminology related to the human body systems.

COURSE WORK: Articulated Credits

HLED 153 FIRST AID AND SAFETY (2) This course utilizes hands on training to provide the citizen responder with the knowledge and skills necessary to perform in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional medical help arrives. Red Cross Responding to Emergencies and American Heart Association Healthcare Provider certificates will be awarded upon successful completion of the course.

ALHN 113 INTRODUCTION TO PATIENT CARE (2) This course introduces the student to the health care delivery system, exploring methods of providing basic patient-care skills, patient safety and an introduction to healthcare worker safety in a medical environment.

HLED 181 Nutrition & Weight Management Strategies (2) This course is designed to enhance the student's knowledge and understanding of healthier eating patterns and exercise as a means of reaching and/or maintaining a healthier weight and prevention of lifestyle diseases

PEWL 151 Stress Management (2)

An introduction to a study of the physiological and psychological effects of stress upon the human body. The focus is on the investigation and practical application of specific skills for managing stress throughout one's lifetime

HPED 265 Prevention & Care of Sport Injuries (2) This course presents an introduction to sports medicine pris. It will provide the student with the basic fundamentals of preventing, recognizing, managing, taping/wrapping and evaluating of athletic related injuries / diseases.

HPED 166 Group Fitness Prep (2)

The focus of this class is to develop instructional techniques such as cueing, choreography, and how to safely modify classes to meet the needs of both healthy individuals and special populations for all formats of group exercise classes

Medical Health Technology 2 (MHT 2)

Credit: 3

Grade 12

Length: 3 Blocks During the Year

Lorain County Community College

HPED 165 Introduction to Exercise Science

Credits: 1 (3 LCCC credits)

Grade: 12

This course provides an introduction to exercise science and the related sub-disciplines. Information concerning choosing a career, national certifications, professional organizations, and legal issues will be addressed. Students will explore professional goals, potential careers, and the essential competencies required to be successful in the field of exercise science and sport and fitness management. Students will also recognize the importance of a healthy lifestyle to prevent disease and injury.

COURSE WORK: Articulated Credits

BIOG 115 BODY STRUCTURE & FUNCTION (3) Provides a basic knowledge of normal structure and function of the human body

ALHN 121 General Pathology (2) Basic principles of pathogenesis are explored. This also includes the study of the clinical manifestations of diseases according to body systems, diagnosis, treatment, and surgical intervention for the specific disease processes

HPED 172 Exercise Management for Special Populations (2) This course provides an overview of health considerations and exercise programming for special populations through identification of medications, modification of testing procedures, equipment adjustments and exercise prescriptions.

HLED 152 Community Health (2) this course encompasses knowledge and understanding of major health problems in communicable and noncommunicable disease control, safety, consumer and environmental health.

HPED 285 Wellness Practicum Seminar (2) Student interns will apply practical skills by working 105 hours in the field of health, physical education and fitness through on campus and off site experiences. Seminar component will address topics relevant to case studies, exercise programming, legal and safety concerns. A professional Program Portfolio will be completed and submitted as part of the course requirements.

Optional: Introduction to American Sign Language (ASL) focuses on development of receptive (listening) and expressive (speaking) skills, American deaf culture and history. An ASL certified instructor instructs this course.

*Courses that are articulated through a contractual agreement with LCCC as of Spring, 2017. Changes may /may not occur throughout the two year program.

BUSINESS EDUCATION

A large percentage of all gainfully employed people earn their living in a business or merchandising field. It is the goal of the Business Education Department to prepare high school students for further study at the college level or immediate employment in the business field.

Personal Finance

Credit: .50

Grade 9

Length: 18 weeks, 1 period

This 18-week survey course will introduce freshmen to concepts involved with financial responsibility. Toward the goal of teaching them how to be successful in handling their money, topics covered will include: Decision making and Goal setting; Education and Career Choices; Budgeting Basics; Understanding and Using Credit; Spending and Saving Wisely; Earning Money and Paying Taxes; Identity Theft and Fraud; Teen Consumer Rights and Responsibilities. This course satisfies the state requirement for a personal finance experience.

Computer Applications

Credit: 1

Grade: Recommended 11, 12

Length: 18 weeks, block

The emphasis in this course is MicroSoft Office. Students will use advanced word processing skills, create spreadsheets, graphs, and presentations. The course is designed to give students an opportunity to extend their knowledge of, and experience with, computer applications (Word, Excel, Power Point).

Consumer Economics

Credit: 1

Grade: 10, 11, 12

Length: 18 weeks, block

This is an introductory business course designed to provide information and understanding needed by every pupil to become a better consumer. There will be much emphasis placed on money. We will be studying the stock market extensively, as students will be able to play in a stock market simulation in which they will be able to spend \$100,000 to invest in securities. Other topics that will be covered are: personal needs and wants, the economy, free enterprise, computers, consumer rights, career choices, wise buying, starting a savings and checking account, and credit cards.

Visual Design 1

Credit: .50

Grade: 9, 10, 11, 12

Length: 18 weeks, 1 period

This 18 week class is designed so students will learn the process of how to visually communicate with their audience through the use of graphics. Designed as a hands-on, project based class setting, students will become familiar with the different aspects of using a Mac laptop as well as creating projects using iLife computer software.

Visual Design 2

Credit: .50

Grade: 9, 10, 11, 12

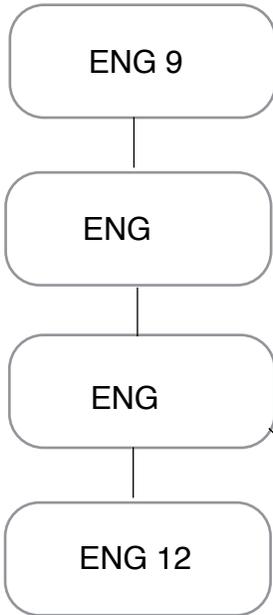
Length: 18 weeks, 1 period

Prerequisite: Visual Design 1

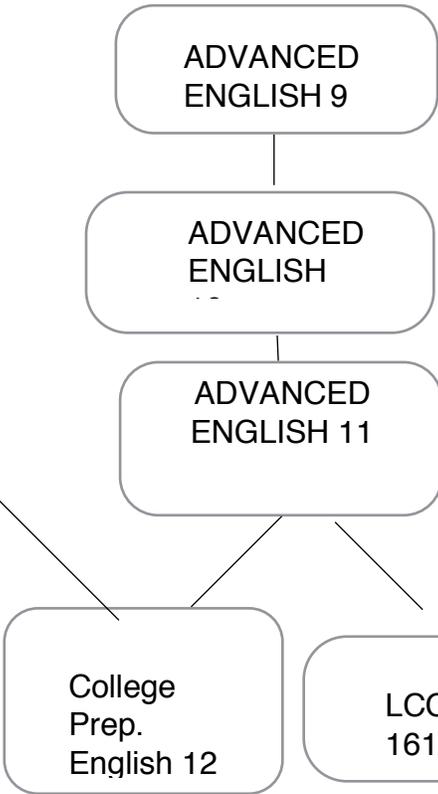
This 18 week class focuses on the use of visual design graphics which involves a range of cognitive thought processes, the use of aesthetics and utilizing creativity. Like other forms of design, this class incorporates the process by which the visual communication is created and designs which are generated. The use of Photoshop will be the primary focus of this class and students will create an electronic portfolio of their projects.

STEELE HIGH SCHOOL SUGGESTED ENGLISH TRACKS

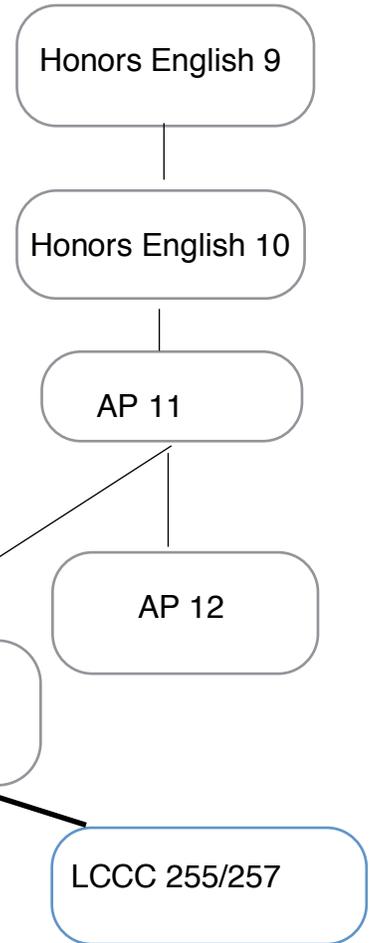
Career Based



College Bound



Advanced Placement



ENGLISH

Honors/AP English courses: These courses are intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors/AP English courses should have high achievement test scores, exhibit excellent proficiencies in writing and reading skills and should have been enrolled previously in the Gifted/Honors/AP program. *Students who have not been previously enrolled in the Gifted/Honors/AP program, yet wish to take Honors/AP English courses, need a teacher recommendation to qualify.* The aim of the Honors/AP courses is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. Honors 9 and Honors 10 English courses serve as the foundations for the AP literature and language courses.

English 9

Credit: 1

Length: 36 weeks, 1 period

This course continues the study of literature, composition, grammar, and vocabulary. Correct usage in both speaking and writing will be emphasized. Literature will include short stories, drama, and novels. The development of a thesis with supporting details will be taught. Students must purchase additional reading materials. Students may be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

Advanced English 9

Credit: 1 (weight .5)

Length: 18 weeks, block

This is a course in language, literature, and composition for college-bound students. Students in this course should be good readers and able to express themselves in writing. Enhanced writing and research skills, including the development of a thesis and proper bibliographic format, are also part of the course. Students must purchase additional reading materials. Students will be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

Honors English 9

Credit: 1 (weight 1.0)

Length: 18 weeks, block

It is an expectation that students who enroll in English 9 Honors possess a solid command of grammar and sentence structure, as well as an elevated vocabulary. Students' previous work in English classes must illustrate an aptitude in reading many genres, both for personal interest and for literary study. Therefore, they possess strong literal and inferential skills as well as the ability to convey their ideas in formal essays. While in Honors English 9, students will complete assignments in which they exemplify comprehension and analysis of multi-genre literature, drama, poetry, classic and modern novels, and various forms of nonfiction. In addition, the writing component of the class will present students with the challenge of responding to complex prompts which require that students demonstrate organization, complex sentence structure, the ability to integrate quotes, and the support of theses. Students are required to purchase various works of literature. Students will be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

English 10

Credit: 1

Length: 36 weeks, 1 period

This course continues the study of grammar, composition, vocabulary, and various forms of literature. It will also extend the research skills to include gathering and organizing of information. Students must purchase additional reading materials. Students may be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

Advanced English 10

Credit: 1 (weight .5)

Length: 18 weeks, block

This is a course in language, literature, drama and composition and is recommended for the college-bound student. The class will emphasize critical thinking and interpretive skills, including a comprehensive study of usage as applied to writing, and focus on the development of the five paragraph expository composition. Students must purchase additional reading materials. Students will be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

American Studies (Honors English 10)

Credit: 1 (weight 1.0 for AP U.S. History and 1.0 for Honors English 10)

Length: 36 weeks, block

This year long academically rigorous course, taught chronologically, emphasizes critical thinking and interpretive skills through essay and oral work, and is designed to help students understand U.S. history and connect literary texts and their historical context. Sophomores enrolling in American Studies will read and write critically, with a focus on analysis and synthesis. *Students who have not been previously enrolled in Honors/AP courses, yet wish to take this course, need a teacher recommendation to qualify.* Students are required to purchase various works of literature, which will become a part of their personal library. This course meets daily all year. AP US History examination is required to receive course credit (approximately \$85.00). Students will be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

English 11

Credit: 1

Length: 18 weeks, block

This chronologically-structured course surveys American literature in historical context from the 17th century to the present. Students study standard American language usage and work toward mastering language skills. Research work will include further development of a thesis and also organization of the topic. Students must purchase additional reading materials. Students may be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

Advanced English 11

Credit: 1 (weight .5)

Length: 18 weeks, block

This chronologically-structured course surveys American literature in historical context from the 17th century to the present. Selections reflect major literary movements and important authors in the American literary canon. Advanced English is intended for college-bound students and builds on critical reading, writing, and thinking skills developed in Advanced English 10. Because of the content and survey format, students expecting to excel must consistently exercise work ethic, preparedness for class, and mastery of content. Various methodologies will foster independent learning and prepare students for more rigorous CCP and College English courses at the senior level. Students must purchase additional reading materials. Students will be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

English 12

Credit: 1

Length: 18 weeks, block

This course is designed for General English students. Practical experience using vocabulary, reading, and writing are part of the weekly routine. In addition, students in this course will complete functional documents, respond to literature, and compose reflective writings. Students may be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

College Prep English 12

Credit: 1

Length: 18 weeks, block

Prerequisite: Attainment of a C or better in English II

This course is designed for those students who plan to attend college. Analysis, synthesis, critical thinking, and collaborative learning are emphasized. The major requirement is a research paper emphasizing correct use of sources, note taking, and citing. Students must purchase additional reading materials. Students may be required to read at least one text prior to entering the course, which will be assessed within the first week of class.

LCCC ENGL. 161 & LCCC ENG. 162

COMET COLLEGE

College Composition 1 - CCP

Credit: 1 (6 LCCC credits) (weight 1.0)

Length: 18 weeks, block

Prerequisite: Successful completion of American Literature Course

An introduction to fundamental college-level skills in academic reading and writing. Summary, analysis, synthesis, argumentation, and research are emphasized, along with critical thinking and collaborative learning. Acceptance in the LCCC CCP program is required. Students will be required to read at least one text prior to entering the course, which will be assessed within the first week of class. This class will receive college credit.

LCCC ENGL. 255 & LCCC ENG. 257

Introduction to Fiction and Introduction to Poetry

COMET COLLEGE

College Composition 2 - CCP

1 Semester, 90 minutes

1 Credit (6 LCCC credit hours) (weight 1.0)

Length: 18 weeks, block

Prerequisite: ENGL 161

Intended for the college-bound student, this combined course incorporates a study of short stories and novels to acquaint the general student with important themes and critical perspectives applicable to fiction, as well as a critical study of selected poetry designed to clarify the nature and significance of Western dramatic literature.

AP English 11 Language & Composition

Credit: 1 (weight 1.0)

Length: 36 weeks, 1 period

Preliminary reading of literature is required, and no level changes will be approved before the first interim report. This course will follow the AP College Board guidelines. An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Students are required to purchase various works of literature, which will become a part of their personal library. **AP examination is required to receive course credit (approximately \$85.00).**

AP Literature & Composition (AP English 12)

Credit: 1 (weight 1.0)

Length: 36 weeks, 1 period

AP English Literature and Composition will focus on European literature and be teamed with the AP European history course. It is strongly recommended that students schedule for both classes. The two AP classes integrate content and assessments in order to lessen the demand on the students and allow for more critical insight and inquiry. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Writing assignments focus on critical analysis of literature and include argumentation and research. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments help students see from the inside how literature is written. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even stylistically, what they understand about literary works and why they interpret them as they do. **AP examination is required to receive course credit (approximately \$85.00).**

ENGLISH ELECTIVES

Yearbook

Credits: 1 Elective

Grades: 9,10,11,12

Length: 36 weeks, 1 period

Students will be responsible for all aspects of yearbook publishing including writing feature stories, gathering information, designing pages, covering events and organizations, sales, advertising, and promotions. Students will have opportunities to accept leadership positions such as editor, business manager, and sales director while developing critical thinking, problem solving, management, and team building skills.

In addition, students will explore and develop skills in journalism writing, reporting and interviewing. Students will learn about photojournalism while developing an understanding in journalism law and ethics, journalism culture and types, and journalism occupations. Students are responsible for producing the *Amherstonian* and the *Amherstonian* Online.

Independent study available with instructor permission. This class is a year long commitment.

Oral Communications

Credit: .50 Fine Arts

Grade: 9-12

Length: 18 weeks, 1 period

This course gives the student practical experience in writing and presenting the basic types of speeches: informative, persuasive, and demonstrative. The course work includes personal and group communication theory, voice and diction, speech organization, and types of delivery. Exercises are included in oral interpretation, debate, interview, tv production, and parliamentary procedure. The course teaches communication skills students will use in college or on the job.

Drama

Credit: .50 Fine Arts

Grade 9-12

Length: 18 weeks, 1 period

Students will have practical experience in acting, direction, and design. Some topics to be covered during this course will be theater history, play structure and analysis, beginning acting, play production, set, costume, make-up and business management. Communication skills taught through acting make this course an ideal starting place for students looking toward careers in law, education, business management, theater, politics, the ministry, and many other communication related fields.

Creative Writing

Credit: .50 Elective

Grades: 11,12

Length: 18 weeks, 1 period

This course is designed for students who wish to go beyond expository writing. Daily writings, short stories, essays, poetry, satire, fables and other types of writing will be explored. Writing will vary from short poems to essays to short stories. All assigned work in this course must be completed and accepted before credit is given. This class meets one period daily, one semester for ½ unit of credit.

Journalism

Credits: 1 elective

Grades: 10,11,12

Length: 36 weeks, 1 period

This course is designed for students interested in print journalism. Emphasis is placed on the production of the school publication *The Record* with possibilities of industry internships. Photojournalism, interviewing, copywriting, social media writing, advertising, marketing, and publication design are some of the topics covered in this course. This class meets one period daily, all year for 1 unit of credit.

FAMILY AND CONSUMER SCIENCES

Child Development

Credit: 1

Grade: 10,11,12

Length: 1 semester, block

This class is designed to study the self, decision-making, relationships, readiness for marriage, qualities of a successful marriage and a strong family unit. The course will analyze the choice to parent, explore parenting styles, and focus on the development of children from conception to school age. Basic child care will emphasize physical, emotional, social and intellectual growth. Related career exploration will be continuous. Practical information will help students with real life situations. Students are required to care for a Real care Baby infant simulator as a weekend project.

Principles of Food & Textile Management

Credit: 1

Grade: 10,11,12

Length: 1 semester, block

Students will study the fundamentals of real food origins and nutritional values to gain knowledge in practicing a healthy lifestyle. They will experience the skills to become safe consumers and handlers of food. Students will master basic levels of skill required to prepare nutritious foods independently. Additional focus on savvy consumerism will explore creative environmental solutions, the utilization of sustainable resources (repair, recycle and repurpose), the impact of advertising, and the development of consumer purchase decision skills. Basic clothing construction activities and maintenance techniques are designed to promote project planning and time management while building self-reliance for successful adult life management. Class fees cover cooking expenses. Students are responsible for the selection and purchase of individual textile projects.

Culinary Fundamentals & Wellness

Credit: 1

Grade: 11,12

Length: 1 semester, block

Prerequisite: Principles of Food & Textile Management

Students will study food patterns related to healthy lifestyle choices with emphasis on nutrition, safe food handling & practices that sustain the environment. They will analyze wise food purchasing decision & meal management techniques. Students master intermediate levels of skills required to safely prepare and store nutritious foods. A six week study of creative construction techniques, color coordination & design will result in detailed sewing projects. Class fees cover cooking expenses. Students are responsible for the selection and purchase of individual projects.

FINE ARTS

Music Exploration

Credit: 1

Grades: 9-12

Length: 18 weeks, block

This course covers all aspects of music. Students will study classical, jazz, rock, pop, world music, hip-hop, and explore each of these areas using current technology. Technology includes: you-tube, podcasts, distance learning with the Rock Hall, garage band and Finale notebook. Grades are based on projects, homework, and tests. No music experience is necessary for the course.

Music Theory

Credit: 1

Grades: 9-12

Length: 18 weeks, block

This course is for students who wish to expand their knowledge of music and/or may study music in college. The course will cover music writing, chords, rhythms, scales and other fundamentals of music theory. Students who wish to study music in college are highly encouraged to take this course in preparation for college placement exams.

Band

Credit: 1

Please note: Band is a two semester course.

Students are not permitted to sign up for the first or second semester separately and must be enrolled in both at the time of scheduling. Please be sure to enter the first and second semester course numbers above when scheduling your courses.

The High School Band will consist of players who demonstrate outstanding musicianship. Students will be selected based upon 1) playing ability, 2) music reading and musical knowledge, 3) previous band experience, 4) instrumentation balance, 5) previous attendance and behavior record. Further details can be obtained from the Band Director.

Prerequisite

It is a requirement of all Steele Band students to have studied a musical instrument prior to 9th grade. If not, please see the following section for instructions on what to do if the above requirements have not been met. At Steele, students **ONLY** meet as a large group (80-100 students) and there is no room in the schedule for daily group or private lessons. Please contact the Program Director to discuss the steps you may take for membership.

Steele Instrumental Music Ensembles:

Band will meet during third period of the school day and is blocked. During the first 9 weeks, all Non-Marching Band members will meet during one half hour of the period as the Marching Band members will meet the remainder of the time. Starting the second nine weeks, all members will be auditioned and put into their separate groups listed below.

Wind Ensemble

The Steele Wind Ensemble will meet five days a week during 3rd period of the school day. This ensemble will be by audition **ONLY** and is reserved for the top musicians of the program. Literature will be of the highest quality and expectations will be high. Students will be introduced to several styles of music and instrumentation. The ensemble will perform a Winter Concert, a Contest Concert, a Spring Concert, and an OMEA Band Contest.

Symphonic Band

The Steele Symphonic Band will meet five days a week during 3rd period of the school day. There is no audition process for the ensemble. All who wish to participate may do so. Literature will be of medium/easy quality. However, expectations will be high. The ensemble will perform a Winter Concert, a Contest Concert, a Spring Concert and an OMEA Band Contest.

In order to participate in the ensembles below, students must first be enrolled in the above course numbers.

Marching Band

During the first 9 weeks of school, The Amherst Marching Comets will eat 3A, and will rehearse 3B, 3C and 3D. During this time, members will meet in the band room for music rehearsals. At times during crucial performance weeks, students may be asked to go outside during this time period to add to our field rehearsal time. Students will be told in advance of such days so they may prepare for the weather. Please see the Marching Band handbook for more information. **At this time, anyone registered for Marching Band also receives a physical education credit. However, you must be enrolled in two years of marching band to get the fulfillment.**

Jazz Band/Pep Band

If the schedule allows, the Steele Jazz Ensemble will meet five days a week during 3rd period of the school day. Instrumentation for the Jazz Band will consist of: Trumpets, Trombones, Saxes, Piano, Guitar, Bass, and Drum Set. The ensemble will perform a Winter Concert, a Spring Concert, and a Jazz Festival.

Solo and Ensemble Contest

Each year, Lorain County and the Ohio Music Educator's Association sponsor contests where students can perform as soloists or in smaller ensembles for a rating from a judge. The contest is excellent for any player that is looking to broaden their playing abilities. Working in an ensemble also promotes cooperative learning along with developing good leadership qualities.

Brass and Woodwind Ensembles

If the schedule allows, these groups will be established during concert season. The ensembles will perform a Winter Concert, a Spring Concert and an OMEA Group Contest.

Advanced Band (.5 weight)

Available by audition or permission of the director only with the following requirements:

- A. Must be member of the Wind Ensemble in good standing
- B. Take private lessons and/or play in the ensemble outside of school setting
- C. Perform in a honors ensemble through the high school connections (i.e. college)
- D. Perform Class A or Class B solo at OMEA Solo and Ensemble Competition

Choir

Credit: 1

Length: 36 weeks, 1 period

This course will cover vocal technique, reading music, musicianship, and performance skills. This course includes three levels of choir. Students are placed in the proper ensemble based on their singing skill.

3 Levels of Choir

Level One (Men's Chorus) open to all, no audition or experience necessary.

Level Two (Women's Chorus) available by audition and/or permission of the Choir Director.

Level Three (Concert Choir) available by audition and/or permission of the Choir Director.

Soprano/Alto Choir

Credit: 1

Length: 36 weeks, 1 period

This course will cover basic vocal technique, beginning music reading, musicianship and performance skills. This course is open to all students, no audition or experience necessary.

Advanced Choir (.5 weight)

Available by audition or permission of the director only with the following requirements:

- A. Perform a Class A or B solo ensemble in OMEA/County Adjudications
 - B. Participation in (one): Madrigals, Bell Choir, Honors Choir (allstate, etc.) or special acts, private lessons outside of school setting
 - C. Meet enhanced assessment requirements each quarter
 - D. Must remain a full year member of choir in good standing
-

Art 1

Credit: 1

Length: 18 weeks, block

This course provides a solid foundation for the technical and visual aspects in art. It is an introduction to the variety of media available. This course emphasizes the elements of art: line, shape, form, variety, space, texture, and color. Art 1 also focuses on the principles of design enabling students to understand, critique, and appreciate art as a positive means of expression. Students may be required to purchase a sketchbook for use in and out of class. This sketchbook may be used in future Art classes if students choose to take additional art classes. Fee Required

Art 2

Credit: 1

Length: 18 weeks, block

This course continues to emphasize both the technical and visual aspects learned in Art 1. Personal expression, art history, and critiques will help students grow in their skill and appreciation of art. This course concentrates on drawing, painting, and hand-built ceramics. Students are also introduced to the computer as a means of visual expression. This course is designed to provide students with more knowledge of the field by producing creative and meaningful art projects. Students may be required to purchase a sketchbook if they do not have one from Art I. Fee Required

Art 3

Credit: 1

Length: 18 weeks, block

This course is designed for students who are seriously interested in art. This may include students who wish to go to college and major in the field of visual arts, as well as students seeking a career in the visual arts. This course will focus on drawing, printmaking, wheel-thrown ceramics, sculpture, and graphic design. Art history and critiques will continue to add to the development of each student. The course is designed to give a lot of responsibility to the individual so that each student can produce work to develop and enhance their portfolios. Students may be required to purchase a sketchbook if they do not have one from Art II or if it is filled up from previous years. These classes will have a fee of \$30.00 for supplies. Fee Required

Art 4

Credit: 1

Length: 18 weeks, block

This is a specialized course designed for students to concentrate in a specific medium. Choices include: drawing, painting, ceramics, printmaking, sculpture, graphic design, and photography. Many of the assignments are agreed upon by the student and the instructor. Projects done in this class are added to Portfolios generated in Art 3. This class will prepare students for college and/or a career in the arts. Oral critiques and artist statements add to the aesthetic growth of each student. Students are expected to matte finished works, take slides of their portfolio, and display work in the school and in the community. Due to the cost and availability of some materials, it may be necessary for students to purchase items on their own. Students are required to purchase a sketchbook if they do not have one from Art II or if it is filled up from previous years. Fee Required

Art 5

Credit: 1

Length: 18 weeks, block

Prerequisite: Art 4 – Grade of B or better. Instructor’s written approval. Portfolio Review.

This is a specialized course designed to enhance specific skills learned in Art. This course is designed for students who plan on going to college and major in the field of visual arts, as well as students seeking a career in the visual arts.

Concentration will be on building the students’ individual portfolios. Students are expected to display work in the their school/community. Student’s will be expected to complete works of art that are finished, matted, and presented in a professional manner. Students will be expected to present a portfolio that may assist them with scholarship opportunities, admission to art programs, or to aid in obtaining an art-related job. This course may be repeated for the credit with approval of the instructor. Due to availability of some materials, it may be necessary for students to purchase items on their own. Fee Required.

FOREIGN LANGUAGES

It is recommended that students planning to take more than one class of a language earn at least an 80% in the first course. The fourth and fifth year of each language is offered if there is a sufficient number of students and staff requesting it.

French 1

Credit: 1

Length: 18 weeks, block

A basic level program with an emphasis on communication in French, both oral and written. Student should develop practical speaking and listening skills, such as asking for and understanding information or directions, reporting what others say, and stating information about themselves. Students also develop the skills necessary to read simple prose such as newspaper articles with the aid of a dictionary, and to write complete sentences sufficient for personal letters and expressing simple opinions. Another important aim of the program is to foster in students a sensitive appreciation of the French-speaking world and to give them an insight into the different cultures where French is spoken.

French 2

Credit: 1

Length: 18 weeks, block

Prerequisite: French 1. (Recommend Grade of C or better.)

A continuation of the French 1 program, with more emphasis on using more complex sentences orally and in writing. Students continue to develop their reading and writing skills while expanding their oral communication skills. The second-level course takes a more in-depth approach than French I, incorporating different verb tenses and their uses, more complex grammar structures of the language, and more specialized vocabulary. The study of various French-speaking peoples is continued.

French 3

Credit: 1

Length: 18 weeks, block

Prerequisite: French 2 (Recommend Grade of C or better.)

A two part program incorporating: 1) A review and expansion of the verbs, structures, and vocabulary taught in the first two years; 2) A study in French of the history of France, the evolution of its culture, and its major historical figures. History and grammar are studied alternately and a more extensive working vocabulary is developed through both approaches. Excerpts from major works of French literature representative of each historical era are also introduced at this level.

Honors French 4

Credit: 1 (Weight .5)

Length: 18 weeks, block

Prerequisite: French 3 (Recommend Grade of C or better.)

An intensive study of French history, culture, and literature, in addition to an in-depth review and expansion of the student's grasp of vocabulary and grammar concepts. Students read excerpts of French literary works in their original form.

Spanish 1

Credit: 1

Length: 18 weeks, block

Spanish I encourages students to converse with correct grammatical structure. Students build a basic vocabulary using correct spelling and pronunciation. The culture of Spanish-speaking countries is introduced.

Spanish 2

Credit: 1

Length: 18 weeks, block

Prerequisite: Spanish 1 (Recommend Grade of C or better.)

Spanish 2 is a continuation of Spanish 1. Students will develop their speaking, listening, reading, and writing skills.

Spanish 3

Credit: 1

Length: 18 weeks, block

Prerequisite: Spanish 2 (Recommend Grade of C or better.)

Spanish 3 is a continuation of Spanish 1 and 2. Students incorporate previous Spanish grammar while learning new, advanced structures. Students converse in Spanish and compose presentations to the class. Audio visual materials in Spanish are used to increase student contact with native speakers.

Honors Spanish 4

Credit: 1 (weight .5)

Length: 18 weeks, block

Prerequisite: Spanish 3 (Recommend Grade of C or better.)

Spanish 4 is a continuation of previous Spanish courses. Students are introduced to Spanish literature and history. Short novels are read in class. The study of the culture of Spanish speaking countries is continued. Students converse in Spanish and compose presentations to the class.

LCCC SPNH 251G & LCCC SPNH 252G (Scheduled together in on semester) COMET COLLEGE

Intermediate Spanish 1

Credit: 1 (weight 1.0)

Length: 18 weeks, block

Prerequisite: Spanish 4

This course is aligned with the third semester of college Spanish, and as such is the introductory course of the intermediate Spanish series. The primary objective of the course is to increase the knowledge of the students in their elementary skills and to introduce them to the more complex forms of the Spanish verb system, cultural readings, and vocabulary not covered in Elementary Spanish 151 and 152. The students will be provided with a comprehensive review and practice of the verb forms, grammatical structures, and vocabulary taught in the first two semesters. Learning will be reinforced through selected readings, dialogues, and exercises contained in the textbook and workbook. Fee Required

Intermediate Spanish II

Continuation of Intermediate Spanish I. Class discussion conducted in Spanish. Further refinement of the four language skills: comprehension, speaking, reading and writing. Introduction to a variety of topics related to Hispanic culture. Recommended for students planning to enroll in Language and Culture of Spain, and Language and Culture of Latin America. Individualized practice over the internet (Canvas, Quia).

HEALTH AND PHYSICAL EDUCATION

Recommended Requirements met by the end of Sophomore year

Prior to the end of their sophomore year, all students must satisfactorily complete 1/2 credit in health and physical education to meet graduation requirements. All physical education courses may be taken more than once but only a total of one P.E. credit will count toward the credits required for graduation. Co-educational activities are incorporated in all classes. Physical education activities will be individually adapted for students with handicaps or injuries.

Health

Credit: .50

Length: 18 wks

The health curriculum is designed to help students accept responsibility for their own lifestyles and personal decisions. Areas covered will include health wellness, nutrition and exercise, STDs and other diseases, AIDS education, emotional health, substance abuse, human sexuality, and other teen issues. *** Some students may have earned a health credit in the Junior High.**

PHYSICAL EDUCATION

The following physical education course is offered for an 18 week period both 1st and 2nd semesters.

Physical Education

Credit: .50

Grades: 9-12

Length: 18 weeks, 1 period

This class will concentrate on improving the cardiovascular and muscular systems of all participants. The class will consist of weight training, walking, running, rope skipping and other aerobic activities along with group games, competitions and fitness testing.

Introduction to Strength and Conditioning: For the beginner

Credit .50

Grades: 9-12

Length: 18 weeks, block

The class will consist of an introductory phase of strength training for the beginning weight lifter or individual interested in weight training. Full body movements in resistance training along with cardio and pulmonary exercise will be the focus.

Nutrition: General knowledge of the muscular system, the body's recovery system, and flexibility will be sub-components of the class. Students are not locked into a fixed pace. All students will be able to progress at their own pace.

Strength and Conditioning

Credit: .50

Grade: 10,11,12

Length: 18 weeks, block

The class will consist of personalized strength and conditioning training for each individual student. Developing the athletic components of strength, explosiveness, and endurance along with cardio strength (both pulmonary and respiratory) will be the emphasis.

Nutrition, general knowledge of the muscular system, the body's recovery system, and flexibility will be sub-components of the class.

** Students participating in a sport, band, or cheerleading for two seasons will fulfill their requirement for physical education. SEE YOUR COUNSELOR FOR FURTHER QUESTIONS.

MATHEMATICS

Algebra 1

Credit: 1

Length: 36 weeks, 1 period

Algebra 1 is a study of the Algebra 1 Common Core Standards. The course will focus on these standards and prepare the student for Geometry. Emphasis will be placed on solving equations, graphing linear equations and quadratics, and the simplification of expressions.

Geometry

Credit: 1

Length: 36 weeks, 1 period

Prerequisite: Algebra 1

Geometry is a study of the Geometry Common Core Standards. The course will focus on these standards and prepare the student for Algebra 2. The focus will be placed on properties of lines, congruent and similar triangles, quadrilaterals, circles, and solid figures.

Advanced Geometry

Credit: 1 (weighted .5)

Length: 18 weeks, block

Prerequisite: **Recommendation of Algebra 1 teacher.** Advanced Geometry is a *rigorous* study of the Geometry Common Core Standards. The focus will be placed on properties of lines, congruent and similar triangles, quadrilaterals, circles, and solid figures. All Geometry and a few additional concepts will be covered at an *accelerated pace and more in-depth*.

Algebra 2

Credit: 1

Length: 36 weeks, 1 period

Prerequisite: Geometry

Algebra 2 is a study of the Algebra 2 Common Core Standards. The focus will be on linear, quadratic, exponential, logarithmic, and rational functions and their graphs. The emphasis will be improving students' abilities to provide algebraic solutions to difficult problems. A graphing calculator *is required* for this course.

Advanced Algebra 2

Credit: 1 (weighted .5)

Length: 18 weeks, block

Prerequisite: **Advanced Geometry and recommendation of Geometry teacher**

Advanced Algebra 2 is a *rigorous* study of the Algebra 2 Common Core Standards. The focus will be on a linear, quadratic, exponential, logarithmic, and rational functions and their graphs. All College Algebra 2 and a few additional concepts will be covered at an *accelerated pace and more in-depth*. A graphing calculator is *required* for this course.

Senior Math Concepts

Credit: 1

Length: 18 weeks, block

Prerequisite: Algebra 2 and recommendation of Algebra 2 teacher

This course is intended for the student needing algebraic background beyond basic algebra. The topics studied are linear, absolute value, and quadratic equations and inequalities, exponents, rational expressions, radicals, functions, complex numbers, and graphs. Not intended for the college-bound student.

College Prep Math

Credit: 1

Length: 18 weeks, block

Prerequisite: Algebra 2

College Prep Math is an alternative mathematics course for college bound students. The focus will be on College Readiness Standards and the 4th year Common Core Standards. Topics will include sequences, trigonometry, probability, functions, and matrices.

Statistics

Credit: 1

Length: 18 weeks, block

This course provides an introduction to statistical thinking and statistical methods. The topics discussed in the course include: data collection, data description, basic probability, sampling distributions, probability distributions. Confidence intervals and hypothesis tests. An emphasis is placed on using technology to solve problems. For the student who has passed Algebra 2 and is looking for non traditional math class.

Precalculus

Credit: 1

Length: 18 weeks, block

Prerequisite: College Algebra 2

Precalculus is a study of third year algebra concepts necessary to prepare students for a Calculus course including advanced functions, matrices, and trigonometry. A graphing calculator is *required* for this course.

Calculus 1

Credit: 1 (weighted .5)

Length: 18 weeks, block

Prerequisite: Pre Calculus or Advanced Precalculus. Calculus I is a study of Differential Calculus which is the branch of mathematics that deals with motion and continuously changing quantities. Concepts will be approached numerically, graphically, and algebraically. A graphing calculator *is required* for this course.

Calculus 2

Credit: 1 (weighted .5)

Length: 18 weeks, block

Prerequisite: Calculus I. Calculus II is the continuation of Calculus I. The focus will include derivatives and integrals of transcendental functions, indeterminate forms and improper integrals, infinite sequences and series, and curves, including conic sections, defined by parametric equations and polar coordinates. A graphing calculator is *required* for this course.

Computer Science 1

Prerequisite: Algebra 1 and Geometry

Credit: 1 (weighted .5)

Length: 18 weeks, block

This is an introductory (learn to code) course in computer science with an emphasis on building functional and object-oriented programs in Java. Students will learn how to code using problem solving techniques and algorithmic designs. Topics include data types, looping (controlled, conditional, and indefinite), parameters and objects, graphics, file processing, and arrays.

LCCC MTHM 168 – STATISTICS (3)**COMET COLLEGE**

Can be taken online through LCCC also

Credit: 1 (3 LCCC credits) (weight 1.0)

Length: 18 weeks, block

Prerequisite: Course placement policy: Grade of C or higher in MTHM 081 or satisfactory placement assessment in mathematics.

This course provides an non-calculus based introduction to statistical thinking and statistical methods. The topics discussed in the course include: data collection, data description, basic probability, sampling distributions, probability distributions, confidence intervals and hypothesis tests. An emphasis is placed on using technology to solve problems involving real data and hands-on projects are used throughout the course. Mathematics Core Course.

Math 168 can be taken at the same time as other College Credit options.

LCCC MTHM 171 COLLEGE ALGEBRA**COMET COLLEGE**

Credit: 1 (4 LCCC credits) (weight 1.0)

Length: 18 weeks, block

The course will study functions, equations, systems, inequalities, and matrices. Acceptance in the LCCC CCP program is required. This class will receive college credit. Student is responsible for purchasing class materials. A graphing calculator is required.

Math 168 can be taken at the same time as other College Credit options.

LCCC MTHM 172 – PRECALCULUS (3)**COMET COLLEGE**

Credit: 1 (3 LCCC credits) (weight 1.0)

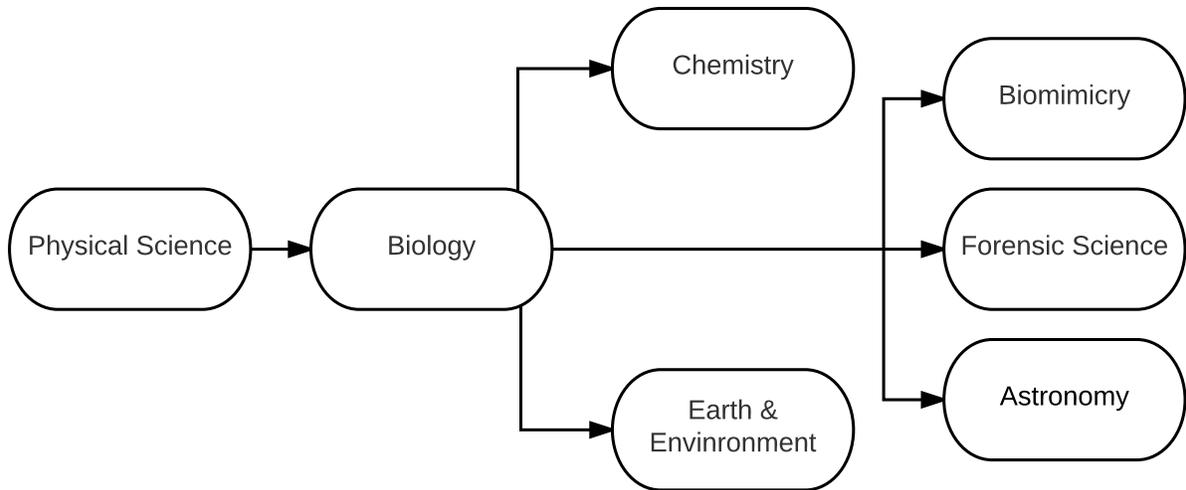
Length: 18 weeks, block

Prerequisite: MTHM 171 and satisfactory placement assessment score or divisional approval.

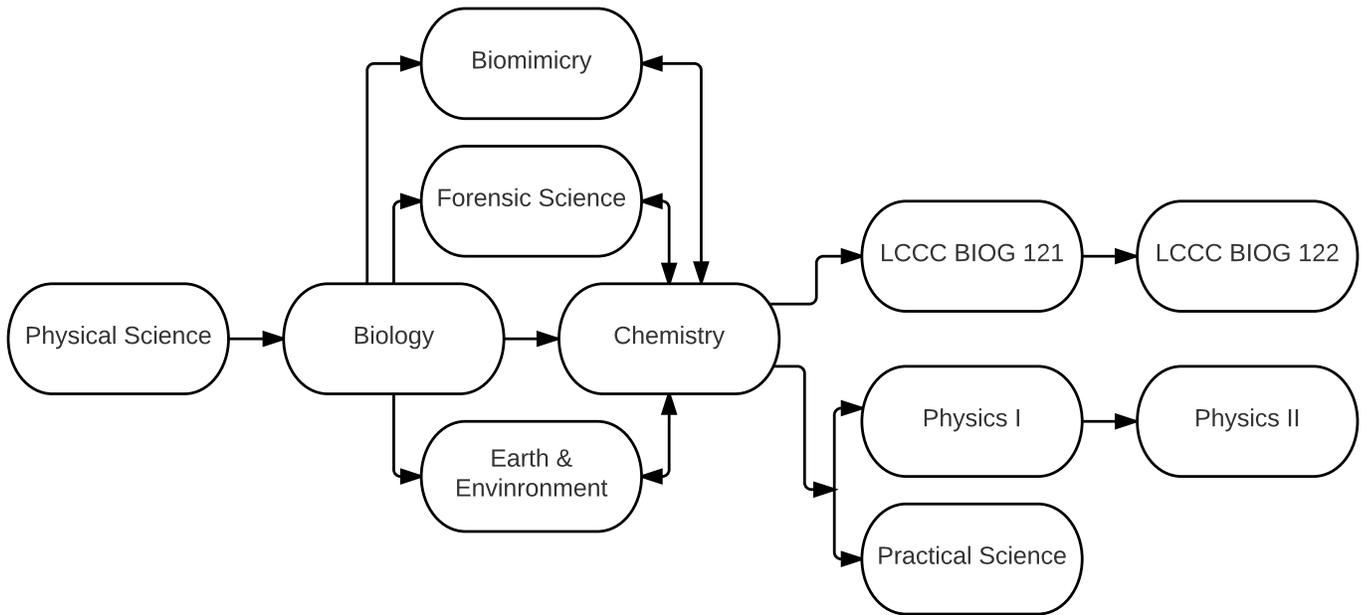
For the calculus-bound student. This course replaces Advanced Precalculus in the course sequence. A study of trigonometric functions and their graphs; trigonometric identities and equations; conic sections; polar and parametric equations; mathematical induction; and Binomial Theorem. Acceptance in the LCCC CCP program is required. This class will receive college credit. Student is responsible for purchasing class materials. A graphing calculator is required. Mathematics Core Course.

Math 168 can be taken at the same time as other College Credit options.

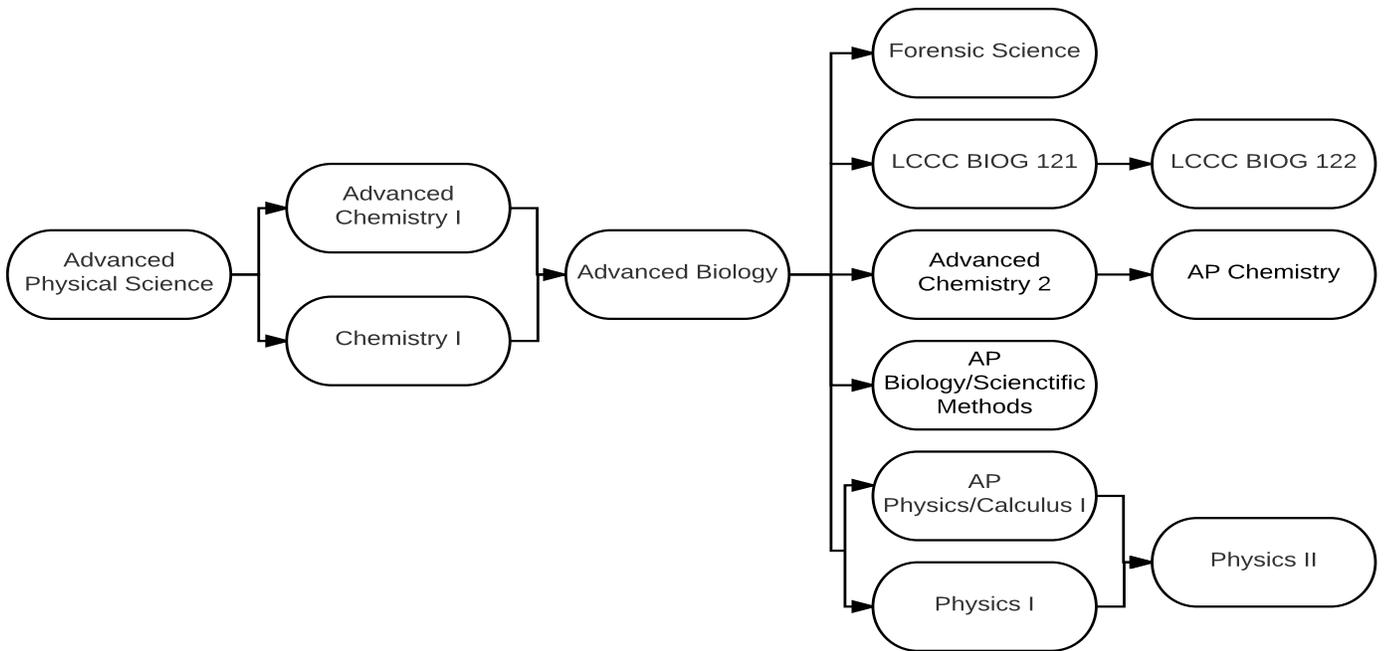
SCIENCE: Career Based



SCIENCE: College Based



SCIENCE: Science Concentration



SCIENCE

Physical Science

Credit: 1

Grade: 9

Length: 36 weeks, 1 period

Physical Science is a course that focuses on the basic principles of chemistry and physics and their application to daily life. It provides the foundation for the study of more advanced science topics. Labs are included to provide the opportunity for students to perform practical studies. Topics include the classification of matter, atoms, bonding & compounds, periodic trends of the elements, reactions of matter, conservation of energy, transfer/transformation of energy, waves, thermal energy, electricity, motion, forces, dynamics. Fee required.

Advanced Physical Science

Credit: 1 (weight .5)

Grade: 9

Length: 18 weeks, block

This course is designed for high achieving students that want to explore the concepts of physical science. Students will be encouraged to explore the relationship between science and everyday life. This course will include labs, an independent study project, and group projects. Topics covered include the classification of matter, atoms, bonding & compounds, periodic trends of the elements, reactions of matter, conservation of energy, transfer/transformation of energy, waves, thermal energy, electricity, motion, forces, dynamics and the universe. A student taking Advanced Physical Science should have excellent math skills (successful completion of Algebra 1 recommended) and be an independent learner. Fee required.

Chemistry 1

Credit: 1

Grade: 10,11,12

Length: 18 weeks, block

Prerequisite: Physical Science, Algebra 1 (C or higher recommended)

Topics include atomic structure, periodic table, intramolecular chemical bonding, representing compounds, quantifying matter, phases of matter, intermolecular chemical bonding, chemical reactions, gas laws, stoichiometry, and nuclear reactions. Lab is an important part of Chemistry 1. Fee required.

Advanced Chemistry 1

Credit: 1 (weight .5)

Grade: 10, 11, 12

Length: 18 weeks, block

Prerequisite: Physical Science, Algebra I (C or higher recommended)

Topics include atomic structure, periodic table, intramolecular chemical bonding, representing compounds, quantifying matter, phases of matter, intermolecular chemical bonding, chemical reactions, gas laws, stoichiometry, and nuclear reactions. Lab is an important part of Chemistry 1. Fee required.

Advanced Chemistry 2

Credit: 1 (weight .5)

Grade: 11, 12

Length: 18 weeks, block

Prerequisite: B or better in Advanced Chemistry I; A in Chemistry 1 (exceptions with instructor approval).

Students entering the medical fields, engineering, chemistry or other science careers should take Advanced Chemistry 2. Topics include gas laws, chemical bonding, chemical energies, thermal chemistry, stoichiometry, solutions chemistry, equilibrium, rate laws, and introduction to acid/base chemistry. Fee required.

AP Chemistry

Credit: 1 (weight 1.0)

Grade: 11, 12

Length: 18 weeks, block

Prerequisite: Advanced Chemistry 2

Students entering the medical fields, engineering, chemistry or other science careers should take AP Chemistry. Topics include acids and bases, titrations, redox reactions, spontaneity and electrochemistry, nuclear chemistry, and organic chemistry. Fee required. **AP examination is required to receive course credit. Approximately \$85.00 AP test fee.**

Biology 1

Credit: 1

Grade: 10, 11, 12

Length: 36 weeks, 1 period

Prerequisite: Physical Science

This class is an interactive lab oriented class that encourages and fosters critical thinking skills and problem solving. The focus of the class is on cells, heredity, evolution, and diversity and interdependence of life. Fee required.

Advanced Biology 1

Credit: 1 (weight .5)

Grade: 10, 11, 12

Length: 18 weeks, block

Prerequisite: B or better Chemistry I or C or better Advanced Chemistry

Topics include cells, heredity, evolution, and diversity and interdependence of life. Lab is an important part of Advanced Biology 1. Fee required.

Combined Advanced Chemistry 1 and Advanced Biology 1

Credit: 2 (weight .5 for Advanced Chemistry 1, .5 for Advanced Biology 1)

Grade: 10, 11, 12

Length: 36 weeks, block

Chemistry topics include atomic structure, periodic table, intramolecular chemical bonding, representing compounds, quantifying matter, phases of matter, intermolecular chemical bonding, chemical reactions, gas laws, stoichiometry, and nuclear reactions. Biology topics include cells, heredity, evolution, and diversity and interdependence of life. This course will integrate these two areas so that the content of chemistry will be applied in biology. Lab will be an important part of these courses. Fee required. Students will enroll in both classes. If choosing this option be sure to sign up for the proper section numbers!

AP Biology

Credit: 1 (weight 1.0)

Grade: 11, 12

Length: 36 weeks, block (7 periods per week)

Prerequisite: Advanced Chemistry I and Advanced Biology I; Chemistry I and Biology I (with permission of instructor)

Co-requisite: Scientific Methods

There are four Big Ideas investigated throughout the year which focus on evolution, homeostasis, genetics, and ecology. This is a student-centered class where student groups will work collaboratively to build models, complete projects and perform labs in order to ensure an enduring understanding of essential knowledge and science practices. There is a large laboratory component making up more than 25% of the course. Labs are inquiry-based and students are required to design and execute their experiments. This course is taught with the same rigor and high standards of a college level biology course. Fee required. **AP examination is required to receive course credit. Approximately \$85.00 AP test fee.**

Scientific Methods

Credit: .5 (weight .5)

Grade: 11, 12

Length: 36 weeks, block (3 periods per week)

Co-requisite: AP Biology

Scientific Methods is a course that will allow students to develop lab procedure, data reporting, and science practices. Descriptive statistics will be introduced and utilized to analyze data. Laboratory practices and methods will also be developed. Additionally, ethical issues, current science developments, and analysis techniques will be explored.

LCCC BIOG 121

Anatomy and Physiology COMET COLLEGE

Credit: 1 (4 LCCC credits) (weight 1.0)

Grade: 11, 12

Length: 18 weeks, block

Prerequisite: Chemistry I, Biology I.

This course offers an introduction to cell biology and histology, as well as an in-depth study of the following human organ systems: integumentary, skeletal, muscular, nervous (including special senses), and endocrine. Fee required.

LCCC BIOG 122

Anatomy and Physiology COMET COLLEGE

Credit: 1 (4 LCCC credits) (weight 1.0)

Grade: 11, 12

Length: 18 weeks, block

Prerequisite: LCCC BIOG 121

The structure and function of the following human organ systems are examined: reproductive (including embryology and fetal development), digestive, cardiovascular, lymphatic (including immunity), respiratory, and urinary (including fluid/electrolyte and acid/base balance). Fee required.

Physics 1

Credit: 1

Grade: 11, 12

Length: 18 weeks, block

Prerequisite: Algebra II.

By conducting investigative labs, students will learn scientific technique as well as fundamental principles of physics in motion, Newton's Laws, momentum & impulse, projectiles, rotational motion, and energy. Class is active with no lecture. Ideas are developed through lab work and practice problems and then deployed in various situations that include practical labs and problem-solving. Students who intend to go on to work in engineering, science, and medicine should seriously consider this course. Fee required.

AP Physics C (Mechanics) & Calculus AB

Credit: 2 (weight 1.0)

Grade 11, 12

Length: 36 weeks, block

Prerequisite: Pre Calculus. Calculus is NOT expected or required as a prerequisite.

This course will cover the physics topics of Mechanics: motion, mechanical energy & rotational dynamics. Calculus topics covered will be functions and limits, differentiation, and integration. The successful student will be one who is highly motivated and has been very successful in earlier mathematics courses. Students looking for advanced work in preparation for a STEM major such as engineering would be well-advised to consider this course. TI-Nspire CX CAS calculator required. Fee required. **AP examination is required to receive course credit. Approximately \$85.00 AP test fee.**

Physics 2

Credit: 1

Grade 11, 12

Length: 18 weeks, block

Prerequisite: Physics 1 or currently enrolled in AP Calculus/Physics

How does your cell phone work? Find out the answer by learning electromagnetism, waves, sound, and optics. Fee required.

Practical Science

Credit: 1

Grade: 11, 12

Length: 18 weeks, block

How Things Work – Like music? It's practical science! Ever used a cell phone? It's practical science! Ever won a tug of war? It's practical science! Spend every day DOING science. Learn how physics concepts are in the world around you. Topics include force and motion, fluids and thermodynamics, waves and sound, and electricity and magnetism. This course meets the requirement as a physics course for an Honors Diploma. Fee required.

Earth and the Environment

Credit: 1

Grade: 11, 12

Length: 18 weeks, block

This class integrates aspects of Geology, Ecology, and Environmental Science to form a better understanding of the environment in which we live. Understanding environmental issues is essential to sustaining our quality of life on Earth. Topics will include geologic principles such as plate tectonics, earthquakes, volcanoes, mountain building, various geologic environments, natural cycles of our planet, ecology, biodiversity, comparative anatomy, environmental health and human impact on the environment such as pollution and global warming. Fee required.

Astronomy

Credit: .5

Grade: 11, 12

Length: 18 weeks, 1 period

This course will focus on the history of astronomy, the earth, moon, sun and other objects in our solar system. The interactions between the sun/earth/moon system, planetary processes, galaxy formation and the origins of the universe are also examined. An emphasis will be placed on recent astronomical discoveries. Finally, observational astronomy will also be covered.

Forensic Science

Credit: .5

Grade: 11, 12

Length: 18 weeks, 1 period

Prerequisites: Biology 1

Forensic Science is the application of science to criminal and civil laws that are enforced by police agencies in a criminal justice system. It is a comprehensive subject incorporating biology, chemistry, physics, entomology, earth science, anatomy and physiology as well as other aspects of science. Major topics include processing a crime scene, collecting and preserving evidence, identifying types of physical evidence, organic and inorganic analysis of evidence, hair, fibers, and paint, toxicology, arson, serology, DNA, fingerprints, firearms, and document analysis. This course combines basic theory and real laboratory experiments. Students will be asked to read, research, hypothesize, interview, compute and use deductive reasoning to propose crime solutions. Students will record data, draw conclusions, and formulate the best method for communicating results. Fee required.

Biomimicry

Credit: .5

Grade: 11,12

Length: 18 weeks, 1 period

Prerequisites: Biology 1

Biomimicry is the practice of looking to nature for strategies to solve human challenges. In this course, we will begin to explore the complexities of our natural systems and how we, as designers, may be able to mimic ecological principles and processes in our designs. Students will learn how engineers often imitate nature in the design of innovative new products. Demonstration of knowledge will take place by brainstorming and designing a new product based on what is known about nature. Fee required.

Marion L. Steele High School Suggested Social Studies Tracks

Career Track	College Bound Track	Advanced Placement Track
↓	↓	↓
Social Studies I	Advanced Social Studies I	Advanced Social Studies I
↓	↓	↓
Social Studies II	Advanced Social Studies II	American Studies (A.P.)
↓	↓	↓
Social Studies III	Advanced Social Studies III	A.P. Gov't & Politics
↓	↓	↓
Electives	Electives or C.C.P. courses	Electives, C.C.P. Courses, A.P. World History

SOCIAL STUDIES

Social Studies 1: Contemporary World History

Credit: 1

Grade: 9

Length: 36 weeks, 1 period

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to the world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Advanced Social Studies 1: Contemporary World History

Credit: 1 (weight .5)

Grade: 9

Length: 18 weeks, block

Prerequisite: Students must receive a grade of B- or higher in Advanced Social Studies 8 or a grade of B+ or better in Comprehensive Social Studies 8 or Social Studies teacher recommendation.

This course examines the same topics as Social Studies I. Higher level of conceptual thinking skills will be a heavily emphasized component of the class through primary source document research with a focus on evidence-based essay writing and outside readings.

Social Studies 2: American History

Credit: 1

Grade: 10

Length: 36 weeks, 1 period

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Advanced Social Studies 2: American History

Credit: 1 (weight .5)

Grade: 10

Length: 18 weeks, block

Prerequisite: Students must receive a B grade in Social Studies 1 and Social Studies 1 teacher recommendation.

This course examines the same topics as Social Studies II. Extra focus on higher level thinking, writing, reading, and primary source analysis will be emphasized. Thematic midterm and final projects highlight these skills with an additional local history research component.

American Studies

AP U.S. History

Credit: 1 (weight 1)

Grade: 10

Length: 36 weeks, 1 period

APUSH (AP U.S. History paired with Honors 10 American Literature). AP U.S. History introduces students to the study of history and examines the development and growth of the United States from the Colonial period up to the 1980s. This course is a rigorous course designed to help students understand U.S. history in the traditional context, as well as putting focus on other areas of history such as race, gender and intellectual history. The course will emphasize reading both secondary and primary sources on a wide range of topics and expect students to write extensive analytical responses to class material. It is recommended that prospective students should have at least a B+ average in Advanced Social Studies 9 and Advanced English 9 or a recommendation from their freshman teachers in both subjects. **AP Examination is required to receive course credit (approximately \$85.00).**

Social Studies 3 (Government/Economics)

Credit: 1

Grade: 11

Length: 18 weeks, block

Government examines constitutional issues derived from a historical perspective as they apply to current issues. The skills developed are those that prepare students for active and effective participation in civic life. Economics examines components of different economic systems using contemporary systems as a guide for understanding.

Advanced Social Studies 3

(Government/Economics)

Credit: 1 (weight .5)

Grade: 11

Length: 18 weeks, block

Prerequisite: B average in SS 2

Government examines the basic principles of the U.S. Constitution as a primary document. Government engages in societal problems and examines constitutional issues derived from a historical perspective as they apply to current issues. The skills developed are those that prepare students for active opportunities and effective participation/contribution in civic life. Government examines the structure and functions of the federal, and Ohio's state and local governments, as well the role of the people. Government examines national and international affairs. Thinking and writing skills will be developed through an emphasis on current and historical political issues; debate and writing are emphasized.

Economics examines components of different economic systems using contemporary systems as a guide for understanding. Economics examines economic and financial literacy for individuals and nations. Economics examines fiscal and monetary policies and economic regulations and alternatives. Economics examines global issues and events that influence activities. Economics examines saving, investing, employment, money-management, and credit & debt.

Psychology/Sociology

Credit: 1

Grades 11,12

Length: 18 weeks, block

This elective course is for the highly motivated and college bound Junior and Senior. This course will introduce students to the study of behavior, mental processes (thinking/feeling) along with social (group) interactions. We will be exploring many of the major fields of psychology and sociology. For many students, the study of psych/soc is very different from other subjects they have studied. This course requires students to think abstractly and to learn by applying and questioning both the theories studied and their own experiences. Students should expect significant reading, writing, experiments/activities and projects throughout the course.

Military History

Credit: .50

Grade: 11,12

Length: 18 weeks, 1 period

This class will explore the history of warfare including the development of new technologies, the social impact of these technologies, and the implement of new techniques on the battlefield. The class will use many different resources such as videos along with primary and secondary sources as tools for better understanding. By the end of the class, students will be able to grasp the reasons for military actions and technological advancements and the long lasting effects of those actions. The class will culminate with a final paper and presentation on a selected technology.

The American Civil War

Credit: .50

Grade: 11, 12

Length: 18 weeks, 1 period

The American Civil War was the nation's deadliest, and first modern war. This course will explore the causes of the conflict between North and South, politically, economically, and culturally, that led to the secession crisis in 1860. We will explore the military, technological, political, and diplomatic issues facing the nation during the war and how the conflict helped shape modern America. Other topics will include: a character study of Abraham Lincoln; the Old South; leadership in the Civil War; military strategy and major battles; life of a Civil War soldier and African-Americans in the Civil War.

LCCC HIST 151 & LCCC HIST 152 Civilizations 1 & Civilizations 2 COMET COLLEGE

Credit: 1 (6 LCCC credits) (weight 1.0)

Length: 18 weeks, block

The first half of this course will cover the development of the historical, political, economic, cultural, religious and institutional patterns of society from ancient civilizations to 1500. The second half of this course will cover the development of the historical, political, economic, cultural, religious, and institutional patterns of society from 1500 to the present. Research and writing using Chicago Manual of Style will be expected. During each half of the class students will research historical themes as they connect to current events.

LCCC HIST 161 United States 1 COMET COLLEGE

Credit: 1 (3 LCCC credits) (weight 1.0)

Grades: 11,12

Length: 18 weeks, 1 period

This course will study the origin and growth of American civilization from the discovery of the Western Hemisphere to the end of Reconstruction.

LCCC HIST 162 United States 2 COMET COLLEGE

Credit: 1 (3LCCC credits) (weight 1.0)

Grades: 11,12

Length: 18 weeks, 1 period

A political, economic, diplomatic, social, cultural and intellectual survey of the United States from the end of Reconstruction to the present.

AP Government and Politics

Credit: 1 (weight 1.0)

Grade: 11-12

Length: 36 weeks, 1 period

AP Government and Politics is designed as an equivalent to one-semester introductory college course. Students study general concepts used to interpret U.S. government and politics and analyze specific topics, including:

Constitutional Underpinnings

Political Beliefs and Behaviors

Political Parties, Interest Groups, and mass Media

Institutions of National Government

Public Policy

Civil Rights and Civil Liberties

An integral part of the course includes analysis and interpretation of basic data relevant to U.S. government and politics, and the development of connections and application of relevant theories and concepts. AP examination is required to receive course credit (approximately \$85.00)

AP European History

Credit: 1 (weight 1.0)

Grade: 12

Length: 36 weeks, 1 period

This course explores European History from the origins of humanity through the present day. The course focuses on building and developing college level academic analysis, synthesis, historical thinking skills, and particularly writing. The curriculum is teamed with AP English 12, and both courses require the same outside reading, major papers and projects. It is recommended that students enrolled in AP European History also enroll in AP English 12.

Criminal Justice

Credit: .50

Grades 10,11,12

Length: 18 weeks, 1 period

Topics covered in this course include the models of the criminal justice system, policing, the courts, and corrections. The course covers crime in America. A strong emphasis is placed upon policing purpose, organization, legal aspects, issues and challenges. The adjudication process including court structure, participants, grand jury, criminal proceedings, civil court proceedings and sentencing will be examined. Corrections methods in prisons and jails, probation and parole, and the death penalty will be evaluated. A variety of special issues such as juvenile justice, drugs and terrorism will be analyzed. Also considered are careers in criminal justice and law enforcement. A mock trial allows for a practice of trial procedures, opening and closing statements, the burden of proof beyond a reasonable doubt, voir dire, jury deliberation and jury verdicts. The future of criminal justice will be considered as well.

20TH Century American History through Sports

Credit: .50

Grades 11,12

Length: 18 weeks, 1 period

This course examines the place sports hold in American life in the 20th Century and beyond. It is designed both to supplement student's understanding of American History and to examine the role that sports has played in shaping contemporary society. Close attention will be paid to the context of sports, especially as it relates to the economic and social environment. It studies how sports makes an impact on society through issues and controversies. Course examines famous athletes, teams and events throughout the decades of the 20th century.

World Geography

Credit: .50

Grades 9,10,11,12

Length: 18 weeks, 1 period

This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

History Of The Cold War

Credit: .50

Grades: 11,12

Length: 18 weeks, 1 period

The Cold War was the most important ideological struggle of the last half of the 20th Century and was played out around the globe. This course will analyze the roots of the Cold War, and then analyze the political, diplomatic, military, and economic issues brought about during the struggle. Although primarily taught from the perspective of the United States, we will also look at the Cold war from many different perspectives. This course will provide an introduction to key topics in the new, international history of the Cold war. The selected topics vary from the study of specific Cold war crises to the exploration of broader themes such as the roles of ideology and technology.

Introduction to Philosophy

Credit: .50

Grade: 9,10,11,12

Length: 18 weeks, 1 period

Whereas other disciplines hope to discover fact, Philosophy is the search for truth. Philosophy relies on open-minded thinking, the composition of rational arguments, and positive communication. This course will familiarize students with a general understanding of the big questions in the field of Philosophy, impart an understanding of the most important philosophers from each field, and teach students to apply various argumentative principles to in class discussion of the big questions.

The course will be organized around the major areas of Philosophy including:

- A. Logic – Study of reasoning and argument
- B. Epistemology – Study of knowledge and knowing
- C. Metaphysics – Study of reality, existence, time, mind and body, and object properties
- D. Ethics – Study of the best way to live, morality
- E. Political Philosophy – Study of government and how individuals relate to the state
- F. Aesthetics – Study of beauty, art, enjoyment, and taste

Students will be expected to read philosophical texts, participate in class discussion and debates, and compose a final project from one area of philosophy of their choice.

SENIORS ONLY

TEACHER EDUCATION EXPLORATION (TEE) PROGRAM

*****Application and Acceptance Required*****

Credits: 3

Grade: 12

This is a year long class that may NOT be dropped.

The Teacher Education Exploration (TEE) Program is an experienced-based course that encourages and prepares high school seniors who have an interest in the field of education. Seniors should have a minimum 2.5 GPA and a strong interest in education: teaching, administration or support services. Seniors accepted into the TEE program will be scheduled into three blocks during the school year, 2 blocks one semester, and 1 block the other semester. During this time, students will participate in several internships with cooperating teachers in the Amherst Schools, kindergarten through 9th grade. In addition to the daily hands-on training in classrooms, students will be supervised and supported by a TEE coordinator who will meet with them every week.

The TEE program is committed to training high school seniors with required skills, methods and strategies which have proven effective with every grade level and subject area of teaching. It will introduce students to the field of education, specifically teaching, while still in high school and either confirm or reject their feeling about the educational career field prior to college.

SPECIAL PRIVILEGES

Late Arrival/Early Dismissal

Seniors and Juniors may apply for late arrival and/or early dismissal if their schedule reflects a study hall period 1 and/or period 6/7. Students must be on target to graduate, display consistent attendance, remain in good academic standing and be in attendance 5 periods of the school day.

*** It is the responsibility of the student and parent/guardian to ensure athletic eligibility and credit status prior to scheduling the late arrival/early dismissal.**