

Herscher High School 2022-2023 Curriculum Guide



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ART AND MUSIC

Art I*, 9-12
 Adv Drawing, Painting, 11-12
 Pottery & Sculpture*, 10-12
 Adv Pottery & Sculpture*, 11-12
 Graphic Design*, 10-12
 Photography*, 10-12
 Adv Photography*, 10-12
 Band, 9-12
 Orchestra, 9-12
 Concert Choir, 9-12
 Chamber Choir, 10-12
 Music Theory*, 10-12
 Advanced Music Theory*, 10-12
 Music Survey*I & II, 9-12
 AP Music Theory *,10-12

ENGLISH

Foundations of Eng I, 9
 English I, 9
 Honors Eng I, 9
 Foundations of Eng II, 10
 English II, 10
 Honors Eng II, 10
 Foundations of Eng III, 11
 English III, 11
 Honors Eng III, 11
 AP Language/Comp, 11 (weighted)
 Foundations of Eng IV, 12
 English IV, 12
 Honors Eng IV, 12
 AP Literature/Comp, 12 (weighted)

**Journalism*, 10-12

**Publications, 11-12

**Speech I*, 10-12

**Advanced Speech*, 11-12

WORLD LANGUAGE

Spanish I, 9-12
 Spanish II, 10-12
 Spanish III, 11-12
 Spanish IV, 12
 Heritage language learner 9-12

BUSINESS

Intro. To Business*, 9-12
 Desktop Publishing*, 9-12
 Innovation Basics, * 10-12
 KCC Web Design*, (dual cr.2nd sem)11-12
 Focus on Careers*, 11-12
 Business & Per. Law*, 10-12(23-24)
 KCC Accounting I, (dual credit 2nd sem)10-12
 Entrepreneurship/Sm. Bus.*, 10-12 (22-23)
 Sports & Ent. Marketing*, 10-12 (spring)
 Sports & Ent. Management*, 10-12 (fall)

MATHEMATICS

Algebra IA, 9-11
 Algebra IB Double Block, 9-12
 Algebra IB, 9-12
 Geometry, 9-12
 Honors Geometry, 9-12
 Algebra II, 10-12
 Honors Algebra II, 10-12
 Contemporary Math (Quant Lit), 12(du.cr.2ndSem)
 AP Statistics, 11-12 (weighted)
 Pre-Calculus, 11-12
 KCC Calculus & Analytic Geom, 12(du.cr.2ndSem)***
 (weighted)

PHYSICAL HEALTH ED.

Health* 9
 Boys PE-DR
 Girls PE-DR
 Boys PE
 Girls PE
 Athletic Weight Training*, 9-12

SCIENCE

Biology, 9
 Honors Biology, 9
 AP Biology, 11-12 (weighted)
 Physical Science, 10
 Environmental Science, 11-12
 Anatomy & Physiology, 11-12
 Chemistry, 10-12
 AP Chemistry, 11-12 (weighted)
 Physics, 11-12 (weighted)
 Agriculture Science, 10
 BSAA (Animal/Plant Science), 10-12

SOCIAL SCIENCE

World History I*, 9-10
 World History II*, 9-10
 World Geography*, 9-10
 KCC World Geography*, (dual credit) 11-12
 AP Am History, 11 (weighted) American
 History I & II, 11
 Recent United States History (RUSH)*, 11-12
 History in Film*, 11-12
 Sociology*, 11-12
 Civics*, 12
 Economics*, 12
 Psychology*, 11-12

CAREER & TECH ED/VOCATIONAL

Child Development I, 10-12
 Foods I*, 9-12
 Foods II*, 9-12
 Bakery & Busn.*, 10-12
 Food Service Mgmt*, 10-12
 Family Living*, 11-12
 Parenting*, 10-12
 Independent Living*, 11-12
 Tech Education, 9-11
 Welding I*, 10-12
 Welding II*, 10-12
 Auto Mechanics*, 10-12
 Electricity*, 10-12
 Construction Processes*, 10-12
 Cabinet Mft & Millwork
 Prod Tech*, 10-12
 Horticulture Prod & Mgmt*, Fall 11-12
 Horticulture Prod & Mgmt*, Spring 11-12
 Intro Ag Industry, 9-10
 Ag Business Mgmt, 11-12
 Ag Business Operations, 11-12

***CAREER CENTER, 11, 12

Automotive Technology I
 Automotive Technology II
 Child Development I/Preschool
 Child Development II/Preschool
 C.N.A. Training Program
 Computer Technology I
 Computer Technology II
 Construction Technology I
 Construction Technology II
 Cosmetology I
 Cosmetology II
 Engineering&DesignI
 Engineering&DesignII
 Fire/Rescue I
 Fire/Rescue II
 Multi-Video I
 Multi-Video II
 Law Enforcement I
 Law Enforcement II
 Medical Terminology & Skill Dev.
 Welding Tech I
 Welding Tech II

*Semester Classes

**Electives Only

****dual credit, &
 certificate opportunities

GRADUATION REQUIREMENTS

All students must carry a minimum load of 6 credits per year. 22 credits will be required to graduate. All classes are .5 credits per semester.

The following items are required for graduation:

1. Four credits of English
2. Three credits of Mathematics
3. Two credits of Science
4. One credit of American History
5. One half credit of Health
6. One half credit of either World Geography or World History
7. One half credit of Civics
8. One half credit of Economics
9. Four credits of Physical Education or Athletic Training (Minus those credits waived as per item (f) listed below.)
10. One credit of Vocational Education, Art, Music, or World Language

To successfully complete a high school program, the following items must be kept in mind:

- a. Students are required to take four years of English. This means that two semesters are required every year. Taking three semester courses one year will not make you exempt for one semester the following year. JUNIORS: The junior year of English will consist of English III, Foundations of English III, or Honors English III, AP Language/Composition. SENIORS: The senior year of English will consist of English IV, Foundations of English IV, Honors English IV, or AP Literature and Composition.
- b. Students must enroll in American History during their junior year.
- c. Students must enroll in Civics during their senior year. By passing this course, the students fulfill the state requirements for passing the U.S. and Illinois Constitution tests.
- d. Students must enroll for a semester course in Economics during their Senior year. World Geography or World History will be required during their Freshman, Sophomore, or Junior year.
- e. Each student must be enrolled in Physical Education or Athletic Training each semester of attendance at Herscher High School. All Medical Waivers will be evaluated upon Doctor recommendation. All students can receive a P.E. waiver if they are actively involved in Marching Band in the fall or Show Choir in the spring semester. Juniors and Seniors may be eligible to receive a P.E. waiver if they meet one of three criteria established by the Board of Education.
 1. A student is actively involved in athletics during that semester.
 2. A student needs an academic course in order to meet the graduation requirements at Herscher High School. (Career Center Students)
 3. A student needs an academic course in order to meet a specific college entrance requirement.
- f. Students who option out of P.E. must carry at least 6 academic subjects and no more than one learning lab.
- g. No additional credit will be given for Driver Education since it is counted as part of the P.E. credit.
- h. All academic courses carry the following credits:
 1. Full year courses 1 credit
 2. Semester courses ½ credit
 3. Kankakee Area Career Center..... 4 credits
- i. The student at Herscher High School who earns the highest grade point average through their 8th semester will be named valedictorian. The valedictorian will give a 2-3 minute speech during the graduation ceremony. In the event of a tie, co-valedictorians will be named, and multiple speeches will be given. The student with the 2nd highest overall GPA will be recognized as salutatorian. Multiple curricular paths may be taken to reach this highest academic honor, but to be considered the valedictorian a student must take all of the weighted courses offered and receive the highest grades among their peers.

CAREER PLANNING

It is recommended that throughout their high school program, students give serious thought to their career plans. Students and parents are urged to consult the high school counseling staff whenever they have questions concerning career planning or post-high school educational opportunities. Appointments can be made with the counselors by calling 815-426-2103, the high school telephone number. Ms Marcukaitis and Mrs. Bisailon are the counselors and caseloads will be split alphabetically. The Guidance office is open from 7:15 A.M. - 3:50 P.M.

NOTE: SCHEDULE CHANGE POLICY

Students can request changes in their schedules for either semester during the last 3 days of the school year for the following year's schedule. Administrators, counselors, or teachers must initiate any changes after that date and generally only due to course conflicts, balancing of classes, or failure to meet prerequisites.

Students will not be allowed to schedule or withdraw from a class based on teacher preference or teacher conflict.

NOTE: ACCEPTANCE OF OUTSIDE CREDIT

Credit may be earned to make up a failure at Herscher High School in a required course through counselor-approved correspondence courses, summer school, or KCC Continuing Education night classes at BBCHS or HHS. Only two credits (4 semester classes) can be accepted outside of Herscher classes for graduation. This rule does not apply to transfer students or students who are older than 19 years old and have had their class already graduate.

CLASS WITHDRAW REQUEST POLICY

The decision to take a course is an important one. Students should seriously consider their educational and career goals. It is imperative that students and parents give careful consideration to course requirements.

- After five class days, students may request to withdraw/drop from a course.
- Required courses cannot be dropped, such as English.
- If the withdraw/drop request is granted, a W/F will be reported to the student's transcript, no credit will be given, and the failing grade will be calculated toward the student's GPA. Dropping courses may impact graduation and/or acceptance into college.

A Parent/Guardian signature is required to acknowledge understanding of the implications of the schedule change, as well as, agreement.

Worksheet for planning your course selection at Herscher High School

Please consult the curriculum guide provided with this sheet for graduation requirements and recommended track of classes.

Some things to keep in mind:

- Herscher High School has seven class periods in a day.
- No student may have more than one learning lab per semester.
- Most classes are year long classes with a few offered as one semester and therefore must be balanced with another, one semester course or learning lab.
- Driver's Education is automatically scheduled according to birthday and grades.
- A student in their Junior and Senior years could be eligible to attend the Kankakee Career Center which would take three class periods both semesters of scheduling time.
- If a student does *not* pass a required course, they must make up the credit the following semester during the seven period day, night school or summer school.

Graduation Requirements

Freshman Year

- 1a) English _____
- 1b) English _____
- 2a) Math _____
- 2b) Math _____
- 3a) Sci. _____
- 3b) Sci. _____
- 4a) Health _____
- 4b) P.E./ A.T. _____
- 5a) _____
- 5b) _____
- 6a) _____
- 6b) _____
- 7a) _____
- 7b) _____

Sophomore Credits = 5

Junior Year

- 1a) English _____
- 1b) English _____
- 2a) Math _____
- 2b) Math _____
- 3a) Am Hist _____
- 3b) Am Hist _____
- 4a) _____
- 4b) _____
- 5a) _____
- 5b) _____
- 6a) _____
- 6b) _____
- 7a) _____
- 7b) _____

Senior Credits = 16

Sophomore Year

- 1a) English _____
- 1b) English _____
- 2a) Math _____
- 2b) Math _____
- 3a) Sci. _____
- 3b) Sci. _____
- 4a) _____
- 4b) _____
- 5a) _____
- 5b) _____
- 6a) _____
- 6b) _____
- 7a) _____
- 7b) _____

Junior Credits = 11

Senior Year

- 1a) English _____
- 1b) English _____
- 2a) Civics _____
- 2b) Econ. _____
- 3a) _____
- 3b) _____
- 4a) _____
- 4b) _____
- 5a) _____
- 5b) _____
- 6a) _____
- 6b) _____
- 7a) _____
- 7b) _____

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Graduation Credits = 22

ART AND MUSIC CURRICULUM

Subject: Art I

Year Offered: 9, 10, 11, 12
Prerequisite: None
Length of course: 1 semester
Credit: ½ credit

Course Description: The course covers all mediums of art from colored pencil, graphite pencil, watercolor, paint, pastel and printmaking. Projects are focused on learning the basic building blocks to create successful works of art. Various historical artists are used as reference. Students who plan on taking advanced drawing and painting and the graphics art courses are required to take this class.

Subject: Advanced Drawing and Painting

Year Offered: 11, 12
Prerequisite: "A/B" in Art I, or consent of the instructor
Length of Course: 1 semester
Credit: ½ credit

Course Description: This course is an advanced level course covering the study of drawing and painting methods with an emphasis on original work. Time is also spent reflecting and writing about the ideas and concepts created within student and professional works of art.

Subject: Pottery and Sculpture

Year Offered: 10, 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: ½ credit

Course Description: This course covers all things 3D-Dimensional. Students will take an in depth look into multiple ceramic projects ranging from basic coil construction to slab building functional mugs. Students will also learn and experiment with the different firing and glazing processes. Students will leave the class with a strong understanding of how to successfully create functional and non-functional 3D-dimensional works of art.

Subject Advanced Pottery and Sculpture

Years offered: 11, 12
Prerequisite: An "A" in Pottery and Sculpture and/or instructor's consent
Length of Course: 1 semester
Credit: ½ credit

Course Description: Continued study in pottery and sculpture with a large focus on using the pottery wheel to create unique and original works of art.

Subject: Graphic Design

Year Offered: 10, 11, 12
Prerequisite: Passing grade in Art I
Length of Course: 1 semester
Credit: ½ credit

Course Description: This is a course that focuses on the creation of original artwork to serve the purpose of communicating visually. The students will follow a similar process used by professionals in the graphic arts industry using Adobe Illustrator and Photoshop to create professional computer generated projects. Emphasis will be placed on learning practical skills through the exploration of logo & product creation, label design, t-shirt design, magazine layouts & illustrations.

Subject: Photography

Year Offered: 10, 11, 12

Prerequisite: None

Length of Course: 1 semester

Credit: ½ credit

Course Description: This course takes an in-depth look into the digital photography/editing process. It is a fast paced advanced course for any student with a serious interest in photography and the graphic arts. Students will use various Adobe Photoshop programs on a daily basis to edit and manipulate images that they have taken themselves. Students are expected to take 30+ images weekly outside of school. Cameras are available for students to use, but having a personal camera can help.

Subject: Advanced Photography

Year Offered: 10, 11, 12

Prerequisite: "A" in Photography AND instructor consent (see instructor approval form)

Length of Course: 1 semester

Credit: ½ credit

Course Description: This is an independent based course that covers advanced digital and traditional photography methods. Students are expected to take 50+ photographs on a weekly basis outside of class. Emphasis is placed on creating unique and original works utilizing various advanced camera methods and computer design skills. Students are required to have access to a digital SLR camera for this class.

Subject: Band-Percussion

Year Offered: 9-12

Prerequisite: Playing experience as a percussionist from junior high or approval from director

Length of course: 1 year - No Exceptions

Credit: 1 credit

Course Description: The Herscher High School Band Program presently consists of four major organizations: Concert Band, Jazz Band, Marching Band, and Pep Band. By being in Band, students are required to participate in Concert Band, Marching Band, and Pep Band and must be in the class for the entire year. Seating placement for concert is determined by audition after the marching season, and students are required to take part in solo and ensemble contest, organizational contests, all concerts, and all public performances on the band schedule. Individual lessons, writing assignments are also a part of the curriculum for band. Jazz Band is the only extra-curricular ensemble and is not required by all students. This class is specifically meant for all percussionists enrolled in Band.

Subject: Band-Winds

Year Offered: 9-12

Prerequisite: Playing experience as a percussionist from junior high or approval from director

Length of course: 1 year - No Exceptions

Credit: 1 credit

Course Description: The Herscher High School Band Program presently consists of four major organizations: Concert Band, Jazz Band, Marching Band, and Pep Band. By being in Band, students are required to participate in Concert Band, Marching Band, and Pep Band and must be in the class for the entire year. Seating placement for concert is determined by audition after the marching season, and students are required to take part in solo and ensemble contest, organizational contests, all concerts, and all public performances on the band schedule. Individual lessons, writing assignments are also a part of the curriculum for band. Jazz Band is the only extra-curricular ensemble and is not required by all students. This class is specifically meant for all wind players enrolled in Band.

Subject: Orchestra

Year Offered: 9, 10, 11, 12

Prerequisite: Junior High school string experience or instructor's permission

Length of course: 1 year

Credit: 1 credit

Course Description: The Herscher High School Orchestra is open to any student with Junior High experience on violin, viola, cello, or string bass. The Orchestra meets daily to further develop skills and prepare a wide variety of orchestral literature for performances. After completion of the band's marching season, selected wind and percussion players are added to the group to provide full orchestra experience. In addition to concert performance, the orchestra participates in IHSA solo and ensemble contest and organizational contest. Smaller ensembles are formed as needed to provide chamber music experience and community service. Individual lessons are required for this course.

Subject: Concert Choir

Year Offered: 9, 10, 11, 12

Prerequisite: Meet with Instructor

Length of course: 1 year - exceptions can be made at directors' discretion

Credit: 1 credit

Course Description: Concert Choir is a non-auditioned, friendly atmosphere choir that is still musically challenging, but with more accessible music to more students. This is open to anyone interested in singing. Additionally, students are enrolled in choir lessons to further musical education.

Subject: Chamber Choir

Year Offered: 10, 11, 12

Prerequisite: Audition

Length of course: 1 year

Credit: 1 credit

Course Description: Chamber Choir is an auditioned group. Auditions are open to freshmen through seniors, but the group is typically made up of upper classmen. The Chamber Choir is for advanced music students who wish to further their music education. They will perform more diverse and difficult music and they will move at a much quicker pace. It is expected that students in Chamber choir will attend their Choir lessons as well as all performances.

Subject: Music Theory

Year Offered: 10, 11, 12

Prerequisite: Membership in band, orchestra and/or choir or instructor's permission.

Length of course: 1 semester

Credit: ½ credit

Course Description: This course is an introduction to music theory including all aspects of basic common practice harmony, i.e., rhythmic structure, scale structure, interval and chord identification, ear training, sight-singing, and beginning composition and arranging.

Subject: Advanced Music Theory

Year Offered: 10, 11, 12

Prerequisite: Music Theory I or instructor's permission plus piano skills

Length of course: 1 semester

Credit: ½ credit

Course Description: Students learn more about advanced chord structure and function, including secondary dominants, Neapolitan chords, non-harmonic tones, musical form, sight-singing, and more advanced composition and instrumentation techniques. Students are more involved in independent lab experiences using traditional materials along with a computer music-writing program. Emphasis on ear training is continued.

Subject: Music Survey I

Years Offered: 9, 10, 11, 12

Prerequisite: None, other than an interest in music, willingness to try new things

Length of Course: 1 semester

Credit: ½ credit

Course Description: This course will serve HHS students who are not enrolled in a music performance class, and who still want to find out more about music. Focus for this course is on Music History, learning an instrument or voice, and music science and technology. Students will be able to explore music in a hands-on laboratory setting, including but not limited to: becoming reacquainted with an instrument or trying out a new one, learning about Digital Audio Workstations, and exploring other student-generated topics. This class will provide a framework for further individual study and a jumping-off point for students who wish to expand their participation in performance-based classes. Emphasis is on student-centered topics and concerns. **Music Survey I and II can be taken in any order, but not repeated.**

Subject: Music Survey II

Years Offered: 9, 10, 11, 12

Prerequisite: None, other than an interest in music, willingness to try new things

Length of Course: 1 semester

Credit: ½ credit

Course Description: This course covers more topics in Music. Focus for this course is on learning an instrument or voice, world music, history of pop music and movie music, and student composition. Students will explore music in a hands-on laboratory setting, including but not limited to: playing an instrument, using electronic and internet means to record and create their own arrangements of tunes, composing their own tunes, charting trends in pop music and movie music, researching composers and/or bands, and exploring other student-generated topics. This class will serve as a stepping stone to performance-based ensembles. **Music Survey I and II can be taken in any order, but not repeated**

Subject: AP Music Theory

Years offered: 10,11,12

Prerequisite: Music Theory I, and/or Advanced Music Theory OR instructor's permission

Length of course: 1 year

Credit: 1 credit

Course Description: AP Music Theory students will deepen their awareness, appreciation, and understanding of the elements of music, making for more thoughtful and thought-provoking performances for school and community. This course is for students who have a serious interest in music or are interested in pursuing music beyond high school. Student's ability to read music is fundamental to this course. Summer options will be available to students who need to learn to read music before the fall semester-see instructor. This course also focuses on critical listening and pattern recognition. Students perform college level work and will be encouraged to take the Advanced Placement exam. Taking AP Music Theory does not guarantee a college credit. A score of 3 or higher is required on the AP exam for college credit to be given.

ENGLISH CURRICULUM

Any student who does not meet the requirements of a research paper as designated in writing in advance by the teacher will not receive credit for the course that semester. In addition, any student who fails a semester of English because of not meeting the research paper requirements may not take the night class without submitting a paper that would meet the requirements of the English teacher.

Subject: Foundations of English I

Year Offered: 9
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: This course is directed to the student who has experienced special difficulties in reading and grammar. The purposes of the course are to improve the reading level through short story, nonfiction, fiction, poetry, epic, drama, and the novel. Students will also improve vocabulary, grammar, and spelling, composition skills while increasing the student's appreciation and understanding of literature and writing. Essay writing is assigned. A research paper is also required. Students will read and study the following pieces of literature: *That Was Then, This Is Now*; *Tears of a Tiger*; *The Odyssey*; and *Romeo & Juliet*. Various projects related to areas of study will also be assigned.

Subject: English I

Year Offered: 9
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: This course includes the introduction to various types of literature, basic grammatical, writing, spelling, and vocabulary skills. Areas of literature studied include the following: short story, nonfiction, fiction, poetry, the epic, drama, and the novel. Essay writing is assigned. A research paper is also required. Students will read and study *To Kill a Mockingbird*, *Tears of a Tiger*, *Romeo & Juliet*, and *The Odyssey*. Various projects related to units studied will also be assigned.

Subject: Honors English I

Year Offered: 9
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: This course includes the study of world literature, traditional grammar, composition, and vocabulary. Additional reading is encouraged, with an emphasis on the in-depth study of *Romeo & Juliet*, *The Odyssey*, *To Kill a Mockingbird*, and *The Absolutely True Diary of a Part-Time Indian*. Writing is stressed and assigned in the form of journals, essays, a narrative, and a short expository research paper. Various projects related to units studied will also be assigned. Students will be expected to identify literary terms and grammatical elements introduced during the freshman year in their subsequent advanced English classes.

Subject: Foundations of English II

Year Offered: 10
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: This course is directed to the student who has experienced special difficulties in reading and grammar their freshman year. The purposes of the course are to improve the reading level through short story, nonfiction, fiction, and the novel. Students will also improve vocabulary, grammar, and spelling, composition skills while increasing the student's appreciation and understanding of literature and writing. Essay writing is assigned. A research paper is also required. Students will read and study the following pieces of literature: *Night* and *A Long Way Gone*. Various projects related to areas of study will also be assigned.

Subject: English II

Year Offered: 10
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: In this course, the literature focus is on world literature through the use of personal narrative novels from varying countries and time periods. Writing assignments cover these pieces of literature as well as some short stories from the textbook. Phrases, clauses, sentence classification, and punctuation are the main focus of the grammar units throughout the year. The spring semester will also include the research paper which covers the concepts of causes or effects of current controversial issues.

Subject: Honors English II

Year Offered: 10
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: In this course, the study of World literature will focus on sharpening reading skills whereby students will support their comprehension of assigned works by citing textual passages as support. Besides cause/effect research papers, writing skills will be honed through essays and narratives. Sentence structure, academic vocabulary, and grammar will round out the course. Literature studied will include *Night*, *A Long Way Gone*, *A Step from Heaven*, *The Pearl*, and other short stories and poems.

Subject: Foundations of English III

Year Offered: 11
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: American literature will be presented through the study of short stories, dramas, novels, and poetry, including *The Absolutely True Diary of a Part-Time Indian*, *The True Confessions of Charlotte Doyle*, and *The Pact*. Emphasis will be placed on basic grammar, spelling and vocabulary. Sentence structure will be addressed through the writing of journals, expository and persuasive essays, and a short research paper.

Subject: English III

Year Offered: 11
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: The main focus for the literary portion of this course is American literature. The study of American literature will include drama, poetry, the novel, the short story, and nonfiction. The novels *The Adventures of Huckleberry Finn* and *Of Mice and Men* will be read and studied as well as the play *The Crucible*. Projects related to units studied may also be assigned. Grammar units will focus on agreement, punctuation, and spelling rules. In the fall semester, students will write a literary analysis research paper based on the reading of a current fiction novel that revolves around a social/cultural issue.

Subject: Honors English III

Year Offered: 11
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: Honors English III is designed to provide students with the English skills needed for success in college. Areas studied include composition, American literature, grammar, and vocabulary. Students will do multi-paragraph papers of literary analysis, critical review, and persuasion. A research paper is required. The areas of American literature studied will include drama, poetry, the novel, the short story, and nonfiction. Some of the novels read include *The Great Gatsby*, *The Scarlet Letter*, *Tuesdays With Morrie*, and *The Crucible*. Related projects will be assigned with these books, along with other projects dealing with technology, current events, and modern American literature. Summer reading is required.

Subject: AP Language & Composition (weighted)

Year Offered: 11
Prerequisite: "A" in Honors Eng. II, teacher recommendation
Length of Course: 1 year
Credit: 1 credit

Course Description: AP Language & Composition is designed to engage students in becoming critical readers of literature and informational texts written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Areas studied include composition, world and American literature (especially nonfiction), grammar, and vocabulary. Composition assignments will take the form of journal writing, impromptu essays, full-length formal essays, research, and narrative. The course will focus heavily on writing and the development of the necessary rhetorical skills to prepare students for the encouraged AP Exam in Language and Composition. Students will study *Things Fall Apart*, *The Things They Carried*, *The Great Gatsby*, *The Scarlet Letter*, and *The Crucible*. Outside reading, writing, and projects are also expected in this course, which begins with a summer reading and writing assignment.

The grading scale for AP English is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Subject: Foundations of English IV

Year Offered: 12
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: Practical adaptations of British literature, including short stories, novels, poetry and dramas, will go hand-in-hand with studies of basic grammar and vocabulary. For example, *The Hobbit*, *Twelfth Night*, *Frankenstein*, *Murder on the Orient Express*, *Harry Potter*, mysteries by Agatha Christie and Sir Arthur Conan Doyle, and two Hitchcock movies will be studied. Sentence structure will be addressed through the writing of journals, expository and persuasive essays, and a short research paper.

Subject: English IV

Year Offered: 12
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: Studying a variety of poems, essays, short stories, and plays that have become classics in British literature. A documented research paper and literary analyses will be required. In addition, vocabulary and assignments, journal writing, grammar exercises, and formal presentations will round out the course. The following material will be studied, including *Harry Potter and the Sorcerer's Stone* and *Animal Farm*, *Macbeth*, *Beowulf* and *The Canterbury Tales*.

Subject: Honors English IV

Year Offered: 12
Prerequisite: Honors English III
Length of Course: 1 year
Credit: 1 credit

Course Description: Designed for the serious student who desires to attend a junior or four-year college, this course will explore English and world literature. The emphasis of instruction will stress the importance of critical thinking, cooperative learning, and self-motivation as they relate to retention and application of material. Grammar and sentence structure will be stressed throughout the year and used to expand on various styles of writing in addition to the research paper. Besides an in depth look into poetry, the following material will be studied, including *Great Expectations*, *1984*, *Animal Farm*, *Macbeth*, *Beowulf* and *The Canterbury Tales*. Summer reading is required.

Subject: AP Literature and Composition (weighted)

Year Offered: 12
Prerequisite: "A" in Honors English III OR a B in AP Language & Composition, recommendation of previous English teachers
Length of Course: 1 year
Credit: 1 credit

Course Description: AP Senior English, designed for the college-bound student, is a weighted course that places emphasis on the rigors of studying. Students are expected to analyze a variety of literary works including novels, dramas, poetry, short stories, and essays; these assignments may be accomplished through testing and/or impromptu essays. Grammar and sentence structure will be stressed throughout the year. In addition to a research paper, students will be expected to do a myriad of outside reading and writing. In May, students will be encouraged to take the advanced placement exam, which could result in receiving college credit. Over the summer students must read *Great Expectations* and write an analysis.

The grading scale for AP English is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

ENGLISH ELECTIVES

Subject: Journalism

Year Offered: 10, 11, 12

Prerequisite: "C" or above in English

Length of Course: 1 semester

Credit: ½ credit

Course Description: Journalism is designed to train students to work on the school newspaper and yearbook. Students will be introduced to a variety of types of writing, such as news, feature, sports, or editorial. In addition, students will write headlines and captions plus design layouts for the newspaper and yearbook. Anyone taking this course should have a strong desire to improve his/her writing skills while adjusting to the rigorous demands of meeting publication deadlines. To be able to go to Publications, the student must earn an "A" and have the teacher's recommendation. Note: This is not a creative writing class.

Subject: Publications

Year Offered: 11, 12

Prerequisite: 35 spots per year; "A" in Journalism and consent of the instructor; remaining openings will go to those with an "A" in Honors English II.

Length of Course: 1 year

Credit: 1 credit

Course Description: Students enrolled in Publications will be responsible for the production of the school newspaper, broadcast, and the yearbook. Student deadlines must be met as the individual writes stories, captions, and headlines; takes photos; creates layouts; and finishes production of the publications. Students must earn at least a "B" to remain in the class.

Subject: Speech

Year Offered: 10, 11, 12

Prerequisite: None

Length of Course: 1 semester

Credit: ½ credit

Course Description: Students enrolled in Speech I should have an interest in improving public speaking. Study will also be made of communication theory. This unit will also involve exercises in diction and listening. In public speaking, students will prepare and deliver speeches designed to demonstrate, inform, and persuade. In addition, study will be made of audience analysis.

BUSINESS CURRICULUM

Subject: Intro to Business

Year Offered: 9, 10, 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: ½ credit

Course Description: This course is designed for students to get an overall view of business and related activities that are practical to real world business situations. Students will learn basic economic principals, basic management and marketing functions and personal financial management while dealing with businesses as a consumer. Students will utilize technology not limited to: 3D Printing/Designing, Adobe Suite, Laser Engraving, Graphic Design Software. Each topic will be related to current issues involving a variety of business-related situations. Emphasis will be placed on current issues affecting businesses and consumers. **Students must have a parent signed AUP on file.**

Subject: Desktop Publishing

Year Offered: 9, 10, 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: ½ credit

Course Description: This skill-level course is designed to address specific desktop publishing features and concepts. The course is not limited to 2D Dimensional design, we will also be utilizing the 3D Printers/Laser engraver that are on hand to publish other forms of advertising/digitally rendered media. Using graphics, fonts, and color, students will create newsletters, magazine ads/advertisements, gift certificates, programs, and tickets. In addition, students will use digital photography and photo shop to create digital images and advertising. Adobe Fireworks and Animate will be used to create animated digital marketing projects as well. This course will give hands-on experience through computer desktop publishing. **Students must have a parent signed AUP on file.**

Subject: Innovation Basics

Year Offered: 10, 11, 12
Prerequisite: Desktop Publishing
Length of course: 1 semester
Credit: ½ credit

Course Description: This course will help students create a baseline in 3D design and product creation. They will also be fabricating products that will help them realize their potential when it comes to innovation and development of unique and personal designs. Students will utilize the 3D printers, Glowforge Laser Engraver, and the digital vinyl cutter to create their own products. **Students must have a parent signed AUP on file.**

Subject: KCC Web Design (dual credit 2nd semester)

Year Offered: 11, 12,
Prerequisite: None
Length of course: 1 semester
Credit: ½ credit and 3 hours of college credit)

Course Description: This skill-level course will teach web site and web page design concepts and terminology. This course will cover web site design concepts by discussing appearance, design, and uniformity as well as hyperlinks, maintenance, search engines, counters, and frames. **Students must have a parent signed AUP on file.**

NOTE: Students receive KCC credit, but do NOT pay for tuition. Students will have to purchase a textbook.

Subject: Business and Personal Law (offered 2020-21)

Year Offered: 10, 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: ½ credit

Course Description: Business and Personal Law is a practical, orientation to law course which will demonstrate to students that almost every action is guided by some type of law. This course is designed to develop an understanding of law relating to an individual's rights and obligations as a student, worker, and a citizen. Law within our society is stressed as it applies to everyday use and to the most common business and personal transactions. The course content includes an overview of ethics and trial procedures, the differences between civil and criminal law copyright regulations, contracts, rights of the merchant and consumer, employee/employer responsibilities, and other various topics that will aid the student in becoming a competent consumer and citizen. Developing a sound base of knowledge in these areas encourages students to make educated decisions.

Subject: KCC Accounting I (dual credit 2nd semester)

Year Offered: 11, 12
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit and 3 hours of college credit

Course Description: Accounting is the systematic recording of the financial operations of a business or individual. The class is for students interested in pursuing any form of business career/major and includes the learning of all basic accounting principles and theories. It includes posting, journalizing, report writing, completing worksheets, and payroll. The class is concluded with a practice set which is a simulation of actual on the job training. Accounting I will be a prerequisite for Accounting II.

NOTE: Students receive KCC credit, but do NOT pay for tuition. Students will have to purchase a textbook.

Subject: Sports & Entertainment Marketing (spring)

Year Offered: 10, 11, 12
Prerequisite: None (Intro to Business recommended)
Length of Course: 1 semester
Credit: ½ credit

Course Description: This course focuses on marketing and advertising products to the consumer. Content will be based on real world examples in sports, entertainment and advertising. Topics covered include marketing research, product planning, purchasing, distribution, pricing, promotion, and advertising in relation to sports and entertainment.

Subject: Sports & Entertainment Management (fall)

Year Offered: 10, 11, 12
Prerequisite: None (Intro to Business recommended)
Length of Course: 1 semester
Credit: ½ credit

Course Description: This course focuses on management and teaches students about leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, managing change, & career development in relation to sports and entertainment. Students will also create and manage their own virtual sports franchise throughout the course.

Subject: Focus on Careers

Year offered: 11,12

Prerequisite: None

Length of Course: 1 semester

Credit: ½ credit

Course description: This course explores what life after high school will consist of. Students will explore career options and learn employability skills for job success. To prepare for a career, students will start with a job search, create a resume, practice job interviewing and beyond. Transportation for the job shadowing must be arranged by the student/parent.

MATHEMATICS CURRICULUM

Subject: Algebra IA

Year Offered: 9, 10, 11

Prerequisite: Junior High Teacher Recommendation

Length of Course: 1 year

Credit: 1 credit

Course Description: To help prepare the students in high school we establish a strong foundation in number sense. Building on this foundation the students master solving all types of linear equations and inequalities across the real number system. The student then is introduced to linear functions with the basic properties and begin solving systems of linear equations. The year culminates showing students how the math studied is used in real world situations.

Course sequence following Algebra IA:

Algebra IB, Geometry, Algebra II

Subject: Algebra IB-Double Block

Year offered: 9,10,11,12

Prerequisite: Algebra IA or Junior High Teacher Recommendation

Length of course: 1 year

Credit 2 credits (1 in Math and 1 Elective Credit)

Course Description: Students who have completed Algebra IA (see above) who still require additional support to fully master the topics are recommended for this double block course so they may receive additional support as they study the properties and characteristics of functions. During the first semester they will focus on linear functions to model real life situations by writing, solving, graphing, and interpreting. In the second semester the study of functions will extend to exponential and quadratic functions by justifying the appropriateness of a given function, solving, graphing, and interpreting. By the end of the year all students should be able to identify key features of functions and be masters of linear, quadratic, and exponential functions.

During the Double Block time period students will receive additional time for the lesson to be presented, time for one-on-one support when struggling, additional opportunities for practicing skills, and time for homework.

Course sequence following Algebra IB Double Block:

Track 1: Geometry, Algebra II, Contemporary Math

Track 2: Honors Geometry, Honors Algebra II, Pre-Calculus or AP Statistics

Subject: Algebra IB

Year Offered: 9, 10, 11, 12

Prerequisite: Algebra IA or Junior High Teacher Recommendation

Length of Course: 1 year

Credit: 1 credit

Course Description: Following completion of Algebra IA (see above) the students will study the properties and characteristics of functions in Algebra IB. During the first semester they will focus on linear functions to model real life situations by writing, solving, graphing, and interpreting. In the second semester the study of functions will extend to exponential and quadratic functions by justifying the appropriateness of a given function, solving, graphing, and interpreting. By the end of the year all students should be able to identify key features of functions and be able to identify key features of functions and be masters of linear, quadratic, and exponential functions.

Course sequence following Algebra IB:

Track 1: Geometry, Algebra II, Contemporary Math

Track 2: Honors Geometry, Honors Algebra II, Pre-Calculus or Contemporary Math

Subject: Geometry

Year Offered: 10, 11, 12

Prerequisite: Algebra IB

Length of Course: 1 year

Credit: 1 credit

Course Description: Students develop thinking patterns by examining mathematical relationships involving lines, angles, surfaces, solids, triangles, quadrilaterals, and circles. Geometry will challenge the student to use reasoning for problem solving and geometric proofs.

Course sequence following Geometry:

Algebra II, Contemporary Math

Subject: Honors Geometry

Year Offered: 9, 10, 11, 12

Prerequisite: Algebra IB or Junior High Teacher Recommendation

Length of Course: 1 year

Credit: 1 credit

Course Description: Relying upon a strong algebra skill-set, students in Honors Geometry will dive deeper into geometric proofs and properties. During the year students develop thinking patterns by examining mathematical relationships involving lines, angles, surfaces, solids, triangles, quadrilaterals, and circles. As the first course in the Pre-Calculus sequence, students will be mastering basic trigonometry concepts and proving additional theorems.

Course sequence following Honors Geometry:

Honors Algebra II, Pre-Calculus, AP Statistics, Calculus

Subject: Algebra II

Year Offered: 11, 12

Prerequisite: Geometry

Length of Course: 1 year

Credit: 1 credit

Course Description: Following completion of Algebra IB (see above) the students will study become proficient at graphing and solving all functions. During the first semester they survey all functions studied in Algebra IB extending upon the foundation initially built. In the second semester the study of functions will extend to rational, exponential, and logarithmic functions. In addition, students will be exposed to probability, sequences, and right triangle trigonometry. By the end of the year all students should be able to solve any type of function and identify key components of parent functions.

Course sequence following Algebra II:

Contemporary Math (Quant Lit)

Subject: Honors Algebra II

Year Offered: 9, 10, 11, 12

Prerequisite: Honors Geometry (for freshman by Junior High Teacher Recommendation **ONLY**)

Length of Course: 1 year

Credit: 1 credit

Course Description: Continuing to build upon a strong Algebra skill set students in this course will continue working towards taking Pre-Calculus. Students in this course will study advanced techniques for solving functions, be able to identify and explain key characteristics of all parent functions and perform highly technical algebraic operations. First semester students will study piecewise functions, function composition, and be introduced to exponential and logarithmic functions. In second semester an in-depth study of quadratics and all polynomials will occur with an emphasis on real world applications. Finally, students will culminate the year in preparation for Pre-Calculus with the study of sequences, series, trigonometric functions, and graphs.

Course sequence following Honors Algebra II:

Pre-Calculus, AP Statistics, Calculus & Analytic Geometry

Subject: Pre-Calculus

Year Offered: 11, 12

Prerequisite: Algebra II

Length of Course: 1 year

Credit: 1 credit

Course Description: This course is designed to prepare students for an elementary Calculus course. The course will begin with a comprehensive study of topics from Algebra and Trigonometry and conclude with introductory topics of analytic geometry and calculus. In addition to introducing students to terminology and concepts essential to the study of Calculus, this course should also help students develop reasoning and analytical skills which may be applied to problems outside the typical realm of mathematics.

Course that can be taken concurrent with Pre-Calculus: AP Statistics

Course that can be taken after Pre-Calculus: Calculus & Analytic Geometry

AP Statistics (weighted)

Year Offered: 11 or 12

Prerequisite: Algebra II

Length of Course: 1 year

Credit: 1 credit

Course Description: The purpose of the Statistics course is to introduce students to the major concepts and tools of collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. The course also focuses on mathematical reasoning and the solving of real life problems. Students will be expected to take the AP Exam upon completion of this course.

The grading scale for AP Statistics is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Courses that can be taken concurrent with AP Statistics:

Pre-Calculus or Calculus & Analytic Geometry

Subject: Calculus & Analytic Geometry (Dual Credit KCC Math 2515) (Weighted)

Year Offered: 12

Prerequisite: Pre-Calculus, 25+ on the Math Section of the ACT OR 61+ on ALEKS placement exam administered by KCC or equivalent as recommended by KCC

Length of Course: 1 year

Credit: 1 credit and 5 hours college credit

Course Description: First semester students will finish building upon the Pre-Calculus curriculum with a culminating study of algebra on the coordinate plane. Study will include properties of distances on the coordinate plane, vectors, lines, conics, and polar functions. At the end of first semester students will be prepared for Calculus I.

During second semester students will be enrolled in a Dual Credit Calculus I course through KCC. Students will take all skills learned in Pre-Calculus to study the behavior of functions through limits, derivatives, and integrals. Applications of limits, derivatives, and integrals will also be studied with an emphasis on areas related to physics, geometry, and other sciences.

Note: For students to continue with the second semester, they must comply with placement requirements by November 15th. Students receive college credit through KCC but do not pay for tuition. College credit is only awarded to students earning a C or higher in the course. Students will have to take a final exam to receive college credit.

The grading scale for Calculus & Analytic Geometry is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Course that can be taken concurrent with Calculus & Analytic Geometry:

AP Statistics

Subject: Contemporary Math (Quant Lit)

Year Offered: 12

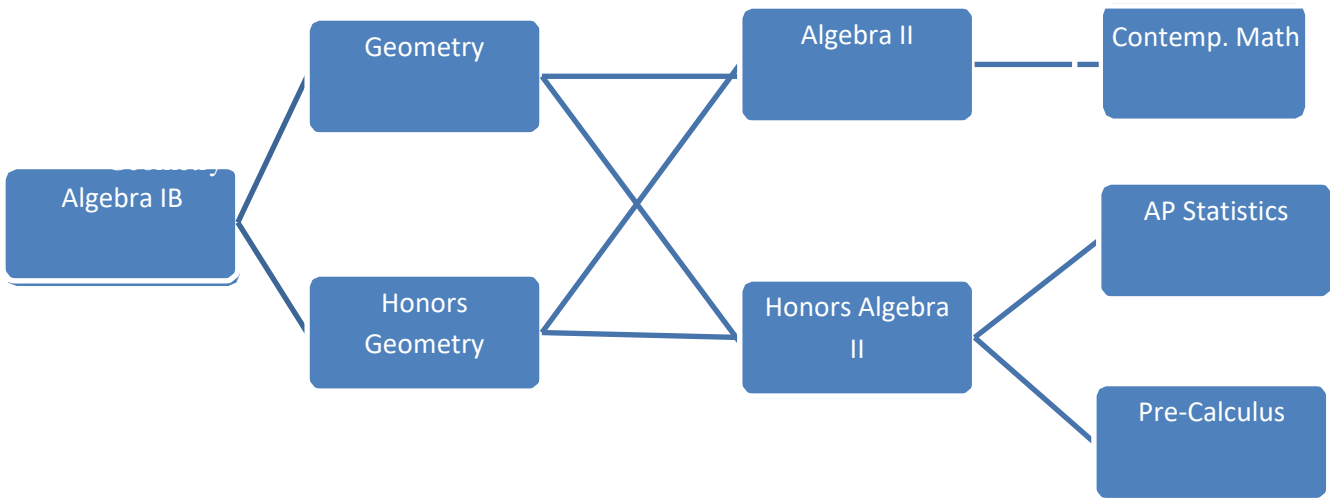
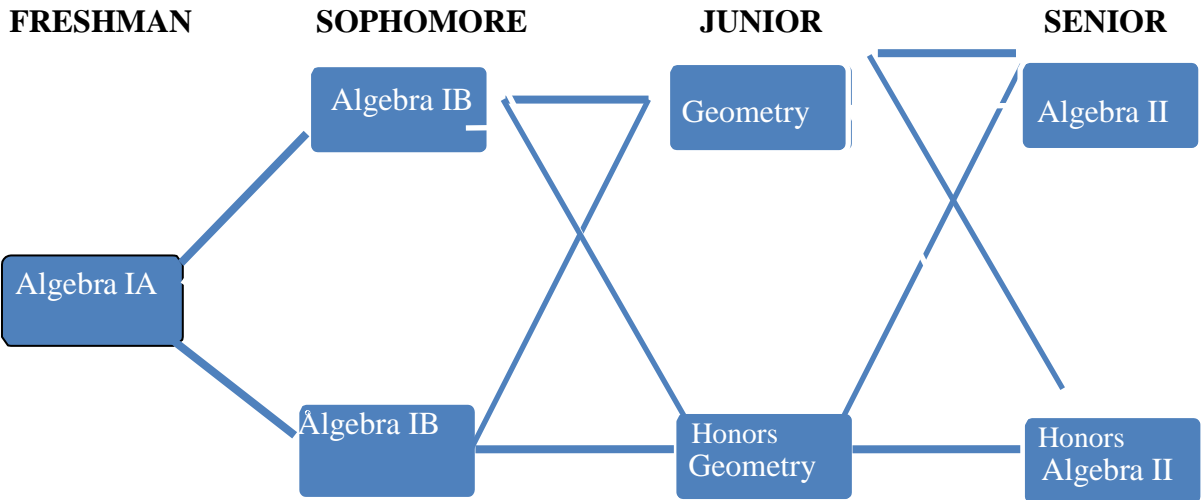
Prerequisite: Successfully completed three credits of math

Length of Course: 1 year

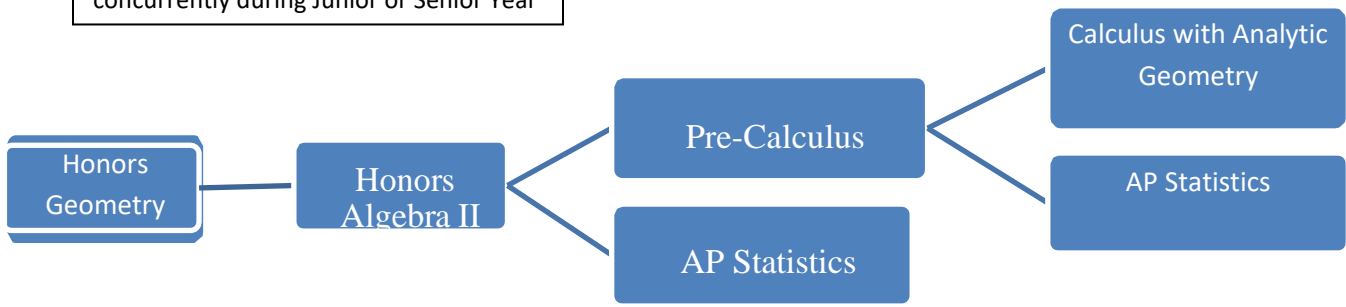
Credit: 1 credit

Course Description: This is a college level class that stresses the importance of mathematics in your everyday life. The Quantitative Literacy Pathway is for students focused on attaining competency in general statistics, data analysis, quantitative literacy, and problem solving. This pathway is intended for students whose career goals do not involve occupations relating to College Algebra or those who have not yet selected a career goal. In accordance with the subject to the PWR Act, successful attainment of transitional mathematics competencies in the Quantitative Literacy and Statistics Pathway guarantees student placement into community college GECC mathematics course not in a calculus-based course sequence which includes general education statistics, general educational mathematics, quantitative literacy, or elementary math modeling.

Mathematics Course Sequences



For this track, 2 courses can be taken concurrently during Junior or Senior Year



PHYSICAL AND HEALTH EDUCATION

Subject: Health Education

Year Offered: 9
Length of Course: 1 Semester
Credit: .5 credit

Course Description: Health is a comprehensive physical education class that combines aspects of physical activity and classroom. Areas covered in the classroom aspect will include: personal hygiene, positive mental health, comprehensive human sexuality, drug education and CPR training. This class will incorporate physical activity, physical fitness, and nutrition on a weekly basis. The goal of this course is to inform students in order for them to make the best choices they can to maintain a high quality of life, both in school and out.

Subject: Physical Education/Health

Year Offered: 9, 10, 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: .5 credit

Course Description: Each physical education semester will consist of four units with each unit lasting approximately four weeks. Units will consist of skills presentation, skills practice, rules and strategy discussions, game and tournament play, a skills test and a written test. Typical units that will be covered in physical education are flag football, soccer, volleyball, pickle ball, basketball, team handball, badminton, softball, and fitness.

Subject: Athletic Weight Training

Year Offered: 9, 10, 11, 12
Prerequisite: None
Length of Course: 1 Semester
Credit: .5 credit

Course Description: Athletic weight training is an advanced course that focuses on proper weight training techniques. Weight lifting activities will be routinely performed on Mondays, Wednesdays, and Fridays throughout the semester. A department-wide workout program will be used for weight training activities. Tuesdays and Thursdays activities will consist of various cardiovascular, plyometric, speed training and abdominal workouts. This course is progressive to meet the changing needs of the individual student. Instruction in weight lifting techniques, exercise principles, and the positive effects of exercise on overall fitness and well-being will be provided. The students will be expected to demonstrate knowledge in these areas on written tests and skills tests.

Subject: Driver Education

Year Offered: 9, 10, 11
Prerequisite: State Requirements
Length of Course: 9 weeks
Credit: Included in P.E. credit

Course Description: Herscher High School offers both classroom and behind-the-wheel courses in driver education. The classroom segment of the course consists of nine weeks of instruction on driving techniques, rules, state regulations, and proper attitude. The behind-the-wheel portion of the class includes 6 hours of actual driving time divided into 12-14 sessions. The course strictly follows state guidelines for driver's education.

A \$20 fee is collected and turned over to the Secretary of State for the students' instruction permit and their first drivers' license. A \$150 fee is collected at the time of freshman registration for the students' Behind-the-Wheel instruction.

SCIENCE CURRICULUM

Subject: Astronomy

Years offered: 9-12
Prerequisite: None
Length of Course: 1 year

Subject: Biology

Year Offered: 9
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: One-year life science course. Biology presents an integrated view of the essential units of life both structurally and functionally. Concepts will be applied through laboratory experiences. Units covered in Biology I are: The Nature of Life; Ecology; Cells; Genetics; Evolution; From Microorganisms to Plants; Animals; The Human Body; and The Diversity of Life

Subject: Honors Biology

Year Offered: 9
Prerequisite: Junior High Teacher Recommendation.
Technology Requirement: Access to a computer with Internet required.
Length of Course: 1 year
Credit: 1 credit

Course Description: One-year life science course. Biology presents an integrated view of the essential units of life both structurally and functionally. Concepts will be applied through laboratory experiences. The focus in this course will be on critical thinking, experimental design, laboratory procedures, reading and writing in science, and the use of technology while exploring scientific topics of student interest. Units covered in Biology I are: The Nature of Life; Ecology; Cells; Genetics; Evolution; From Microorganisms to Plants; Animals; The Human Body; and The Diversity of Life.

Subject: AP Biology (weighted)

Year Offered: 11,12
Prerequisites: "B" or better in Honors Biology or an "A" in Biology and "B" or better in Chemistry.
Length of Course: 1 Year
Credit: 1 Credit

Course Description: AP Biology is a college level course that will explore the 4 big ideas of biology; Evolution, Heredity, Energy, and Interactions. This course will spend 25% of it time dedicated to lab work and will work towards preparing students for the AP exam in May. AP Biology involves the ability to work independently and will include a summer assignment. Taking AP Biology does not guarantee a college credit. A score of 3 or higher is required on the AP exam for college credit to be given.

The grading scale for AP Biology is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Subject: Physical Science

Year Offered: 10
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: Physical Science presents an integrated view of the essential units of Chemistry, Physics, & Earth and Space Science. Concepts will be applied through laboratory experiences. Units in Physical Science include:

1. Science skills
2. Properties and states of matter
3. Atomic structure and the periodic table
4. Chemical bonding and reactions
5. Forces and motion
6. Work, power, and energy
7. Sound and light
8. Electricity and magnetism
9. Earth and space

Subject: Environmental Science

Year Offered: 11-12
Prerequisite: Biology or Physical Science
Length of Course: 1 year
Credit: 1 credit

Course Description: Environmental Science is the study of applied and theoretical aspects of human impact on the world. Concepts will be applied through laboratory investigations and outdoor activities. Units in Environmental Science include:

1. Human footprint
2. Biomes, succession, and biogeochemical cycles
3. Ecosystems, food webs, and biodiversity
4. Conservation laws and history
5. Waste and toxicology
6. Water, air, and soil
7. Fossil fuels and alternative energy sources
8. Sustainability and the power of one

Subject: Agricultural Science

Year Offered: 10, 11, 12
Prerequisite: Introduction to Agriculture
Length of course: 1 year
Credit: 1 credit

Course Description: This course builds skills and knowledge gained in the Introduction to the Agriculture Industry course. Major units of instruction include advanced plant science, soil science, animal science, and agricultural mechanics. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. The development of leadership, employability and computer skills will also be taught. Because FFA and Supervised Agricultural Experience Proprietorships (SAEP's) are integral components of this course, students are required to conduct a Supervised Agricultural Experience (SAE) at home.

Subject: Biological Science Applications in Agriculture (Plant and Animal Science)

Year Offered: 10, 11, 12

Prerequisite: None

Length of Course: 1 year

Credit: 1 credit

Course Description: This course is designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management, and management of major phases of animals in agriculture and the specific biological science concepts that govern management decisions. This course will deepen students' understanding of science as content and as a process through the use of numerous laboratory exercises and experiments. Because FFA and Supervised Agricultural Experience Proprietorships (SAEP's) are integral components of this course, students are required to conduct a Supervised Agricultural Experience (SAE) at home.

Subject: Chemistry

Year Offered: 10-12

Prerequisite: Algebra II (or concurrently).

Length of Course: 1 year

Credit: 1 credit

Course Description: Chemistry is the study of matter and energy. Beginning with the atom, its structure and properties are studied. This leads to bonding to form compounds and reactions from compounds. Much of the course deals with the quantitative aspects of chemistry, (amounts of chemicals and methods of measurement). A good mathematical background is helpful. Other topics covered include behavior of gases, acids, bases, oxidation-reduction reactions, thermodynamics, organic and nuclear chemistry. Chemistry I is suggested for students who plan further study in mathematics or science at a college level.

Subject: AP Chemistry (weighted)

Year Offered: 11-12

Prerequisite: Chemistry

Length of Course: 1 year

Credit: 1 credit

Course Description: The advanced placement chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Students who successfully complete this course will attain a depth of understanding of the fundamental concepts of chemistry such as structure and states of matter, intermolecular forces, reactions, and how to use chemical calculations to solve problems. Students will develop the ability to think clearly and express their ideas with clarity and logic, both orally and in writing. Students will work with classmates to conduct meaningful laboratory investigations to observe chemical reactions and substances, interpret findings, and communicate results.

The grading scale for AP Chemistry is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Subject: Anatomy & Physiology

Year Offered: 11, 12

Prerequisite: Biology, Physical Science or Chemistry

Length of Course: 1 year

Credit: 1 credit

Course Description: This course is devoted to the study of Human Anatomy and Physiology with the goal of preparing the student for post high school related courses. Disorders and abnormal functioning of the body is a significant part of study.

Anatomy and Physiology will be more individualized than previous courses, placing emphasis on student responsibility. Labs will consist mainly of investigating body systems and dissection of cats.

Subject: Physics (weighted)

Year Offered: 11, 12

Prerequisite: Chemistry & Pre-Calculus

Length of Course: 1 year

Credit: 1 credit

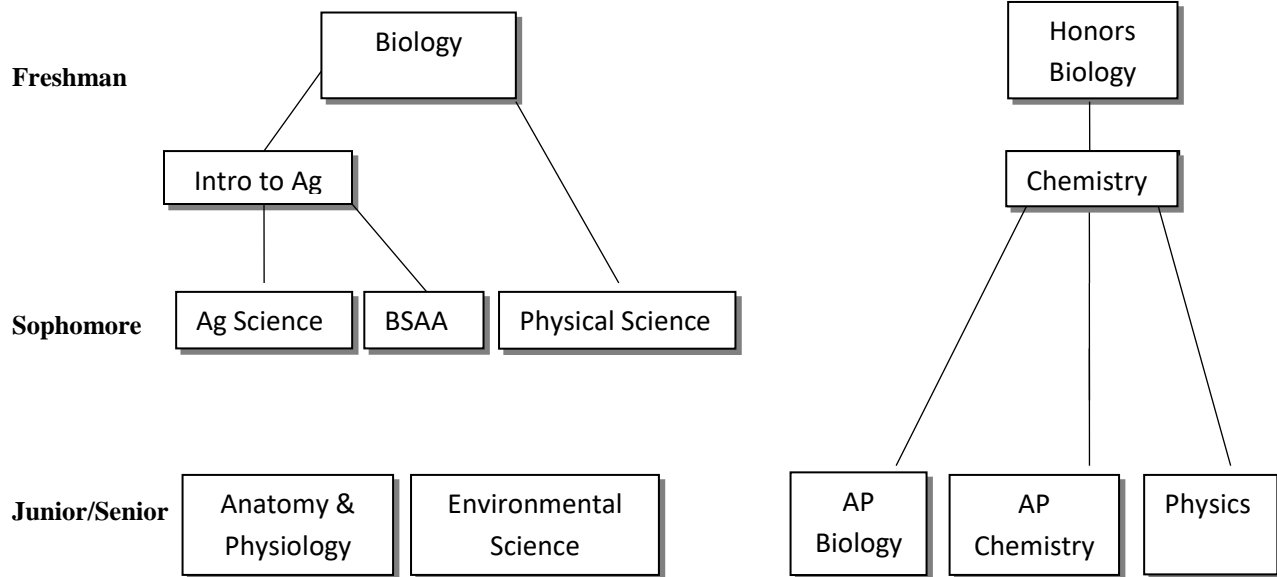
Course Description: The first semester of Physics introduces the student to the relationships between force, mass, motion, and energy. The student will become familiar with such terms as velocity, acceleration, weight, gravity, momentum and the proper terms in which they are measured.

The second semester of Physics will cover the areas of heat, magnetism, electricity, waves, sound, light, and Einstein's Theory of Relativity.

The grading scale for Physics is as follows:

A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Science Sequence



SOCIAL SCIENCE CURRICULUM

Subject: World History

Year Offered: 9, 10

Prerequisite: None

Length of Course: 1 semester

Credit: ½ credit

Course Description: Instruction will focus on covering units about the beginnings of civilization, new directions in government and society, the age of exchange and encounter, and connecting hemispheres. Areas of study will include early humans, Western River Valley civilizations (Mesopotamia, Sumeria, Egypt), Eastern River Valley civilizations (India, Harrapans, China), formation of religions (Judaism, Christianity, Islam), ancient Greek, Persian, and Roman empires, the Byzantine Empire, Middle Ages, Crusades, Medieval history, and Renaissance and Reformation. Students will be introduced to the roots of modern history, and how these roots developed, and shaped much of the “western” world today. Students will grapple with not only the historical circumstances that affected these events, but also the geopolitical, economic, and social landscapes that allowed them to play out. Most importantly, this course will attempt to illustrate how these events and eras of history have molded the contemporary society that we live in. The course will begin by examining the events and themes of the Enlightenment, and end with an in-depth analysis of the post-World War II era. Throughout this course, students will be using the historical content to hone their literacy, critical thinking, and research skills, all while attempting to better understand how the past has shaped the society that we live in today.

Subject: World Geography

Year Offered: 9, 10

Prerequisite: None

Length of Course: 1 semester

Credit: .5 credit

Course Description: World Geography is treated as a social as well as a physical science, and material is brought in from allied social sciences such as history, economics, and civics, so that the student learns how physical geography is related to man and society. A human orientation is one of the main features of World Geography. Regional units are taught with the study of earth as the home of man. Individual nations as well as the region as a whole are discussed. A discussion lecture method is used. Map work for each unit is required.

Subject: American History I and II

Year Offered: 11

Prerequisite: None

Length of Course: 1 year

Credit: 1 credit

Course Description: During this class, students will examine the changes America has undergone from the Revolutionary War to the Present. The main objective of the course is to see how our country has grown through the study of various groups of people, the things they have done and the results of their actions. We will use the text and various primary sources to uncover the hows and whys of events that shaped America. Map assignments, written work involving the text and Internet sources, and outside projects are used to evaluate and emphasize this approach to learning about our nation. This course is a required course as set forth by the State of Illinois and must be completed satisfactorily in order to graduate.

Subject: AP American History (weighted)

Year Offered: 11
Prerequisite: Top 25 ranked students
Length of Course: 1 year
Credit: 1 credit

Course Description: This AP AM. History class is designed to prepare Herscher High School students to take the AP test. This advanced class will survey U. S. History from the age of exploration to the present. Students will be expected to have read the assigned books and chapters by the first day of class.

The grading scale for AP American History is as follows:
A = 6.00 B = 5.00 C = 4.00 D = 2.00 F = 0.00

Subject: Sociology

Year Offered: 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: .5 credit

Course description: Sociology studies human society and social behavior by studying groups rather than individuals. This one semester course teaches students to look at life in a scientific, systematic way. The values, beliefs, and lifestyles of those around us, as well as historic events, help mold us into unique individuals who have varied outlooks on social life. This course deals with the social atmosphere that helps make us who we are and how we behave. The key component of this course is to study ourselves and the society that influences our behavior. It is crucial that students emerge from Sociology with the ability to recognize and examine how groups and social structures influence the way that individuals think, feel, and act. Major topics include cultural variances, deviance, and social control, gender and age, family and marriage, poverty and religion.

Subject: Civics

Year Offered: 12
Prerequisite: None
Length of Course: 1 semester
Credit: .5 credit

Course Description: Instruction will focus on covering units about the foundations of American government, political parties, voter behavior, three branches of government, the Constitution of the United States, as well as our Illinois Constitution and the flag of the United States of America. As per the new Illinois state law, "Civics course content shall focus on government institutions, the discussion of current and controversial issues, service learning, and simulations of the democratic process."

Subject: Economics

Year Offered: 12
Prerequisite: None
Length of Course: 1 semester
Credit: .5 credit

Course Description: This course offers a broad range of subject matter, beginning with the science of economics. Micro versus macroeconomics, capitalism, supply and demand, price setting, inflation and unemployment, basic functions of the Federal Reserve and forms of economic enterprise are all a focus. Personal finance skills will also be incorporated. Upon completion, students will be able to understand and make reasoned judgments about major economic questions facing society and themselves as a member of our society.

Subject: Psychology

Year Offered: 11, 12
Prerequisite: None
Length of Course: 1 Semester
Credit: .5 credit

Course Description: A one semester basic course designed to acquaint the student with causative factors of human behavior, and to explore the extent to which scientific methods can be applied to human behavior. Areas that will be covered include such things as learning, memory, physiological aspects of behavior, personality, stress, adjustment, abnormal psychology, and death and dying.

Subject: KCC World Geography (dual credit)

Years Offered: 11, 12
Prerequisite: Compass test
Length of course: 1 semester
Credit: .5 credit and 3 hours college credit

Course Description: This course studies major regions of the world, focusing on the relationship of humans with their environment, the movement of people and goods, and the ways regions are formed and undergo change. Major emphasis is placed on the differences between developed and underdeveloped regions of the world.

NOTE: Students receive KCC credit, but do NOT pay for tuition. Students will have to purchase a textbook.

Subject: Recent United State History (RUSH)

Year Offered: 11-12
Prerequisite: American History II
Length of Course: 1 Semester
Credit: .5 Credit

Course Description: This class will cover events in American History starting with the Cold War in the 1950's and covering major events till the present. It will cover chapters 26 through 34 in *The Americans* textbook and use other sources for more recent events. Students will study the cause and effect relationship of the United States foreign and domestic policy during this time. Students will do in depth studies of all major conflicts during this time and will evaluate the United States involvement in world affairs. Special attention will be given to recent conflicts involving the Global War on Terror. Prerequisite: successful completion of American History II

Subject: History in Film

Year Offered: 11-12
Prerequisite: World or American History I or II
Length of Course: 1 semester
Credits: .5 credit

Course Description: This course examines the ways in which Hollywood films have depicted American and world history. Students of this course will critique a variety of films, uncovering their central historical messages and analyzing their impact on American society. A major goal of this course is determining what is valid in contemporary films and historical dramas and what do these films say about the people who create them, the politics behind their creation, and how they reflect the values, ideas, and larger historical issues of the times in which they were created.

Social Science Sequence:

Freshmen or Sophomores: must choose at least one of the following semester courses: World Geography, World History I or World History II.

Juniors: Must sign up for American History I and II OR AP American History. These courses fulfill a state of Illinois graduation requirement.

Seniors: Must sign up for Civics and Economics. These courses are a state of Illinois graduation requirement.

College-bound students: Many colleges prefer 3 years of social studies for admission requirements. Therefore, it is highly advised to take at least 2 elective courses.

The following chart will be helpful in planning your social science courses. Each course listed is a one semester course, with the exception of AP American History, which is a full year course.

Freshman	Sophomore	Junior	Senior
World Geography	World Geography	American History I, II[^]	Civics[^]
World History	World History	AP American History *	Economics[^]
		Sociology	Sociology
		RUSH	RUSH
		History in Film	History in Film
		KCC Geography (dual credit)	KCC Geography (dual credit)

*Full year course

[^]Required for Graduation

WORLD LANGUAGE CURRICULUM

Subject: Spanish I

Year Offered: 9, 10, 11, 12

Recommended Prerequisite: "C" average in English is highly recommended.

Length of Course: 1 year

Credit: 1 credit

Course Description: This course offers an introduction to listening, speaking, reading and writing in Spanish. Vocabulary acquisition is stressed as well as learning basic grammar concepts. Each lesson contains cultural information. A variety of activities are used to enhance learning.

Subject: Spanish II

Year Offered: 10, 11, 12

Prerequisite: "C" average in Spanish I or written consent from teacher.

Length of Course: 1 year

Credit: 1 credit

Course Description: Spanish II is a continuation of Spanish I and, as such, includes more intensive study and practice in listening, speaking, reading, writing and vocabulary, expanding on what was learned in Spanish I. Grammar will be stressed and will be supplemented with cultural videos and activities.

Subject: Spanish III

Year Offered: 11, 12

Prerequisite: "C" in Spanish II or written consent from teacher.

Length of Course: 1 year

Credit: 1 credit

Course Description: Spanish III is a continuation of Spanish II and includes very intensive study and practice in listening, speaking, reading, writing and vocabulary. After successful completion of this course, students will be well equipped to apply their communication skills in Spanish IV.

Subject: Spanish IV

Year Offered: 12

Prerequisite: "C" in Spanish III or written consent from teacher.

Length of Course: 1 year

Credit: 1 credit

Course Description: Semester one provides daily practice in the skills you have learned during the first three years of Spanish. Many activities will be provided to immerse you in the Hispanic language and culture. You will also plan and teach simple lessons in Spanish to grade school students. At the end of four years of Spanish you should be well prepared to take the university placement or CLEP tests.

Subject: Heritage Language Learner

Years offered: 9,10,11,12

Prerequisite: a degree of bilingualism in both Spanish and English (verbal and aural)

Length of course: 1 year

Credit: 1 credit

Course description: This course offers an opportunity for students who are heritage language learners to continue to develop their already existing speaking and listening skills and to build reading and writing skills through various activities and projects that also incorporate aspects of Spanish-speaking culture.

Career and Technical Education/Vocational

Subject: Child Development I

Year Offered: 10, 11, 12
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: In this course the students will learn about the development of a child. It covers the prenatal stage of life through the pre-school age child. The physical, mental, social, and emotional development areas are studied. A 6-week preschool lab for young children is a major part of the course.

Subject: Foods I

Year Offered: 9, 10, 11, 12
Prerequisite: None
Length of Course: 1 semester
Credit: 5 credit

Course Description: This course will emphasize basic food preparation skills and nutrition. Units of instruction will include: basic measuring techniques, equipment, recipe math, terminology, nutritive value of foods, making wise food choices and career exploration. Students will plan, prepare and serve a variety of food to supplement the class work.

Subject: Foods II

Year Offered: 9, 10, 11, 12
Prerequisite: Completion of Foods I with a "C" or better or consent of instructor.
Length of Course: 1 semester
Credit: .5 credit

Course Description: Students will continue the study of nutrition and more advanced food preparation skills. Menu-planning, food purchasing, and meal preparation will be included. Careers in the food industry will be explored. The Foods I textbook and workbook will be used in this class.

Subject: Bakery and Business

Year Offered: 10, 11, 12
Prerequisite: "C" or better in Foods I and II
Length of Course: 1 semester
Credit: .5 credit

Course Description: In this course, students will gain skills in advanced baking and pastry arts as well as learn the business side of professional baking. Developing a menu, pricing, marketing, trying to make a profit, and other business strategies will be utilized in managing a bakery business.

Subject: Food Service Management

Year Offered: 10, 11, 12
Prerequisite: "C" or better in Foods I and II
Length of Course: 1 semester
Credit: .5 credit

Course Description: Students will gain skills in professional food service and management. Advanced cooking techniques, along with business strategies, will be utilized for catering projects and a dinner-theater for the spring play. A unit on food sanitation and safety will help prepare students taking the food sanitation course and exam.

Subject: Family Living

Year Offered: 11,12

Prerequisite: None

Length of Course: 1 semester

Credit: .5 Credit

Course Description: The emphasis in this course is on human development from adolescence through maturity and on relationships with others. Areas covered will include growth and development, self-understanding, relationships with family members, others, and career opportunities.

Subject: Parenting

Year Offered: 10, 11, 12 or with consent of instructor

Prerequisite: None

Length of Course: 1 semester

Credit: .5 credit

Course Description: This course is designed to help students realize the rewards and responsibilities of parenthood. Students will learn skills needed to care for, nurture, and guide young children as well as how to handle common problems. Resources and support systems for parents will be explored. A 6-week preschool lab for young children is a major part of the course.

Subject: Independent Living

Year Offered: 11 12

Prerequisite: None

Length of Course: 1 semester

Credit: .5 credit

Course Description: This course is designed to prepare the student to be a wise consumer in today's complex marketplace and efficiently manage time, money, and human resources for the successful operation of the home. Emphasis is placed on management of personal and financial resources, credit buying, and comparison- shopping. The student will learn rights and responsibilities as a consumer and the protection provided by consumer laws.

Subject: Technology Education

Year Offered: 9, 10, 11

Prerequisite: None

Length of Course: 1 year

Credit: 1 credit

Course Description: Technology Education is an orientation level course that introduces students to a variety of skills and career fields. Students will learn the technical processes, learn to use the technical resources, and learn to weigh the technological impacts of technology through the following activities:

- Material Processing small engines
- Welding
- Engineering towers, construction animation
- Plumbing, electricity, home repair
- Basic woodworking and mechanics
- All areas would include individual hands on experience

Subject: Welding I

Year offered: 10, 11, 12
Prerequisite: Technology Education
Length of Course: 1 Semester
Credit: ½ credit

Course Description: This course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications.

Subject: Welding II

Year offered: 10, 11, 12
Prerequisite: Welding I
Length of Course: 1 Semester
Credit: ½ credit

Course Description: This course offers a planned sequence of learning experiences which provide students with the opportunities to develop competencies needed for employment in a variety of manufacturing-related occupations. This course introduces students to the skills common to many occupations, such as applying safety practices, selecting materials, performing bench work operations, performing precision measurement, performing layouts, performing housekeeping and recordkeeping activities, and operating a variety of tools, used for separating, forming, and combining materials.

Subject: Automotive Mechanics

Year offered: 10, 11, 12
Prerequisite: None
Length of Course: 1 Semester
Credit: ½ credit

Course Description: This course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical systems, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling systems, braking and power train.

Subject: Auto Body

Year Offered: 10, 11, 12
Prerequisite: None
Length of course: 1 Semester
Credit: ½ credit

Course Description: This section provides learning experiences designed to allow students to gain basic knowledge and skills in repairing automotive bodies and fenders. Planned learning activities in this course are balanced to allow students to become knowledgeable in the fundamental aspects of auto body repair methods and techniques, and to develop practical skills in the basic operations required to prepare the automobile for final paint application. Practical activities relate to experiences in writing and calculation damage estimates, removing and installing body panels, trim, straightening by using hammers, jacks, and smoothing by filing and grinding.

Subject: Construction Processes

Year offered: 10, 11, 12
Prerequisite: Technology Education
Length of course: 1 semester
Credit: ½ credit

Course description: The Construction Processes course will cover the different areas of the finish and rough construction industry along with the landscaping industry. Laboratory experiences will deal with hands on experiences, which are similar to what is being used in today's industry. The students will learn steps which can be used in order to improve, remodel, or build their future home. Topics will include framing, wiring, insulation, paneling, dry walling, finishing, and landscaping a home and commercial industry.

Materials charge: \$50

Subject: Cabinet Making & Mill Work

Year offered: 10, 11, 12
Prerequisite: Construction and/or Technology Education
Length of course: 1 Semester
Credit: ½ credit

Course description: This course introduces students to the basic design and fabrication of residential cabinetry and custom furniture. The course also exposes students to the millwork and millwright industry. Instruction includes safety practices in using hand tools and power equipment.

Subject: Electricity

Year Offered: 10, 11, 12
Prerequisite: Algebra IA or consent of the instructor
Length of Course: 1 semester
Credit: .5 credit

Course Description: This course will include electrical principles, house and residential wiring. This course is comprised of learning activities and experiences for training students in using, selecting troubleshooting and installing electrical wiring material. It will include using and maintaining electric motors and wiring and electric motor controls.

Subject: Introduction to the Agriculture Industry

Year Offered: 9, 10
Prerequisite: None
Length of Course: 1 year
Credit: 1 credit

Course Description: This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, agricultural mechanics, biotechnology, food science technology, environmental science and aqua cultural science will be presented. The development of leadership, employability, and computer skills will also be taught. Because FFA and Supervised Agricultural Experience programs (SAEP's) are integral components of this course, the student is required to conduct a Supervised Agricultural Experience (SAE) at home and become a member of the FFA.

Subject: Horticulture Production and Management

Year Offered: 11, 12
Prerequisite: Introduction to Agriculture recommended
Length of Course: 1 semester (Fall)
Credit: .5 credit

Course Description: This advanced course offers instruction in both the floriculture and landscape areas of horticulture. Units of study include plant identification, greenhouse management, culture of greenhouse crops, care and handling of cut flowers, and floral design. Also included are landscape design, installation, and maintenance: horticulture mechanics; nursery management; and turf production. Exploration of Fall plants and preparation for the Winter season will be a unit of study. Agribusiness units will cover operating horticultural business, pricing work, advertising and sales. Because FFA and Supervised Agricultural Experience Proprietorships (SAEP's) are integral components of this course, students are required to conduct a Supervised Agricultural Experience (SAE).

Subject: Horticulture Production and Management

Year Offered: 11, 12
Prerequisite: Introduction to Agriculture recommended
Length of Course: 2nd semester Spring
Credit: .5 credit

Course Description: This advanced course offers instruction in both the floriculture and landscape areas of horticulture. Units of study include plant identification, greenhouse management, culture of greenhouse crops, care and handling of cut flowers, and floral design. Also included are landscape design, installation, and maintenance: horticulture mechanics; nursery management; and turf production. This course will also cover Spring time planting, and produce gardening. Agribusiness units will cover operating horticultural business, pricing work, advertising and sales. Because FFA and Supervised Agricultural Experience Proprietorships (SAEP's) are integral components of this course, students are required to conduct a Supervised Agricultural Experience (SAE).

Subject: Agricultural Business Management (offered 2022-2023)

Year Offered: 11, 12.
Prerequisite: Introduction to Agriculture and a second agriculture class
Length of Course: 1 year
Credit: 1 credit

Course Description: This course will develop students' understanding of the agricultural industry relating to the United States and World marketplace. Instructional units include: marketing and trading of agricultural products, international agriculture, imports and exports, agricultural law, taxes, governmental regulations and policies, and advanced computerized record keeping. Student skills will be enhanced in math, reading comprehension, and writing and interviewing techniques to gain employment. Post-secondary education will be explored at agricultural colleges and universities. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts

Subject: Agricultural Business Operations (offered 2021-2022)

Prerequisite: Introduction to Agriculture and a second agriculture class

Year offered: 11,12

Length of course: 1 year

Credit: 1 credit

Course Description: This course is designed to develop student knowledge and skills in operating an agribusiness. Instructional units include: establishment of agribusinesses, managing the agribusiness, financing the agribusiness, marketing and advertising, product development, sales techniques and strategies, communicating with employees and customers, and studying various agricultural companies and career opportunities. Computer software applications and the Internet will be integrated through data management, inventories, and accounting. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concept.

Course Description

Automotive Technology: Learn the basics of auto mechanic repair and maintenance. Students will learn to diagnose and repair a wide variety of automobiles. Students will also learn preventative maintenance. **Opportunity to earn dual credit with KCC, JJC, and Prairie State at no additional cost.**

Child Development/Preschool: Training focused on professions dealing with child care and teaching. Students will obtain knowledge of basic principles of child growth/development with special emphasis on preschool age children. Students will engage in hands-on teaching 3,4, and 5 year olds. Students will be required to have a 2-step TB test at their own expense by **August 13, 2021**. **Opportunity available to earn their Level 1 Early Childhood Education Credential from Gateways to Opportunity. Dual credit opportunity for second year students at KCC or Prairie State.**

CNA Training: Students can become CNA (Certified Nursing Assistant) following successful completion of this program taught by Registered Nurses (RN). Program includes theory; accompanied by 2-days per week in a clinical setting. Those who qualify will take the CNA certification exam in May. Students will be required to have a 2-step TB test at their own expense by **August 13, 2021**. **Dual credit opportunities with KCC at no extra cost.**

Computer Technology: Instruction and hands-on experience repairing or replacing faulty mechanical and/or electronic parts and giving technical advice on ways to keep equipment in good operating condition. Moving on in year to 2 to setting up and configuring network services such as TCP/IP, DHCP, DNS, VPN. **Opportunity to be A+ Certified and to earn dual credit at JJC and Prairie State at no extra cost.**

Construction Technology: Opportunity to participate in the different phases of residential construction. Students construct an actual home on-site and are involved in all the phases of home construction. The program is designed as pre-apprentice training and helps the student decide the trade or craft in which they want to serve an apprenticeship. **Opportunity to become OSHA 10 Certified and potential for dual credit at KCC at no extra cost.**

Cosmetology: Provides all the training necessary to become a **licensed cosmetologist**. Students will have the opportunity to acquire skills needed to work with the customers in **KACC's full service salon**. **Successful students are prepared to take their cosmetology licensed exam following this program and go right into the workforce.**

Engineering and Design: Learn the fundamentals of design used by architects and engineers, and how drafting aids the process. Students will learn both manual drafting tools and computer aided drafting (CAD). Access to professional software (*Google Sketch Up, AutoCAD, Solid Works, and Revit*). Second-year students will be given an opportunity to specialize in either architectural or the engineering drafting area with potential for job shadow and intern. **Dual credit opportunity at KCC at no extra cost.**

Fire Rescue: Follows the State of Illinois Fire Marshall's Office Division of Standards for entry level in the fire and rescue field. Students will learn the basics of the fire service: how to use self-contained breathing apparatus, ropes and knots, ladders and hoses. Students will be exposed to simulated fire conditions under a safe environment and to do a search and rescue, auto extraction, and how to safely remove victims of automobile crashes. Students will also have an opportunity to undergo Emergency Medical Responder (EMR) Level 1 Training for an opportunity to qualify to sit for their EMR Certification Examination (Additional fee for exam at the student's expense).

Law Enforcement: This two-year program provides students a basic introduction to the all facets of law enforcement. Students gain a working knowledge of law enforcement procedures and activities that will enhance their skills on the community college and university levels. **Dual credit opportunity with KCC at no extra cost.**

Medical Terminology and Skill Training: This college-level medical terminology course also offers training in CPR and use of an AED to become First Aid Certified. Students who earned their CNA have potential for an internship program at a local health care facility. **Dual credit opportunities with KCC and Prairie State at no extra cost.**

Multimedia Video Production: This program will provide the opportunity for students to develop the skills to create multimedia and video production. Camera techniques, Scriptwriting, Podcasting, Digital Video Editing, Storyboarding, Classroom Presentations, these are just a few of the skills that will be covered.

Welding: The first year will include laboratory experience in oxy-acetylene, shielded metal arc, and gas metal arc welding, oxy-fuel semi-automatic and plasma cutting, weld testing, braze welding, and preparing for and taking weld tests. The second year will be an in-depth study of the above processes, including blueprint reading for welders, welding symbols, weld testing and inspection, air carbon arc gouging, and introduction to pipe welding. **Dual credit opportunity with KCC at no extra cost. Opportunity to earn American Welding Society's S.E.N.S.E. Level 1 Certification.**