

KNOB NOSTER HIGH SCHOOL

Career and Education Planning Guide

2017-2018

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INTRODUCTION

This Career and Education Planning Guide is designed to assist students and parents in the enrollment process. Planning is essential to ensuring a quality educational experience. The faculty is committed to maintaining high standards of academic excellence to ensure that graduates have necessary knowledge and skills to be successful once they depart Knob Noster High School. A wide array of course offerings are available for students to explore and most subject areas offer in-depth study once general skills have been mastered. If ever you have a question about the enrollment process, please contact our high school office at 660-563-2283.

This Career and Education Planning Guide can be viewed on-line at <http://knobnoster.k12.mo.us/knhs/enrollment>. If you have questions or need further information regarding any area of Knob Noster High School please feel free to contact the appropriate department or individual.

MISSION STATEMENT

The mission of the Knob Noster R-VIII School District is to ‘Prepare Life-Long Learners who will be Responsible, Productive Citizens.

A+ SCHOOLS PROGRAM

Knob Noster High School is a fully accredited “A+ School.” Students graduating from an “A+ School” are eligible to participate in the tuition reimbursement program available at any Missouri Junior College or Vocational School of their choice. However, a student must meet pre-established criteria in the areas of citizenship, grade point average, attendance, and tutoring. For more information on how to become enrolled in the District A+ Schools Program, contact the counseling office or our “A+ Schools” Director, Ms. Amanda Wesley at (660) 563-2283.

GRADING SCALE

	A 95-100	A- 90-94
B+ 87-89	B 83-86	B- 80-82
C+ 77-79	C 73-76	C- 70-72
D+ 67-69	D 63-66	D- 60-62
F Below 60	I Incomplete	P Pass

GRADE WEIGHTING SYSTEM

A grade weighting system will be implemented for the computation of honor roll and class rank. A ‘weighted’ class is computed at a ‘0.3333’ additional GPA.

The following classes are weighted: All Advanced Placement and Dual Credit classes, Honors ELA II, Pre-AP ELA, Anatomy and Physiology, Chemistry, Algebra II Honors, Statistics, Civil Rights Movement, Civil War, Contemporary Issues I, Spanish III, Spanish IV, Spanish V, French III, French IV, Principles of Engineering, Project Lead the Way Capstone.

DEFINITIONS

The following definitions are provided to assist the reader with a better understanding of terminology utilized throughout the Career and Education Planning Guide.

Advanced: Beyond the introductory level of study.

Advanced Placement (AP): Are college level courses taught at the high school. Students completing the class and passing the AP content exam with a 3, 4, or 5 rating may receive college credit for subject mastery for a college or university. The AP exam must be taken to earn potential credit.

Applied: A course with technical and/or practical focus.

Dual Credit (DC): Dual Credit courses are those which high school students may take to earn both high school and college credits. Dual Credit courses may be taught by regular high school faculty. Students may register for the college course and pay for the credit. The grade received in the class will be the grade on the college transcript.

Early Graduation: Completion of required coursework in seven (7) semesters and choosing not to attend for an eighth (8th) semester.

Embedded Credit: Coursework completed in course content areas completed through Career Technical Education classes.

Practical: Having application to real world experience; concepts and practices used in the workplace.

Prerequisite: Any requirement which must be met before advancing to a more difficult level of coursework.

Required: A course which must be completed to meet minimum state and local graduation standards.

Research: Course study requiring extensive use of the library media center, computer lab, and/or other outside resources for the purpose of writing, presentation, or performance.

Rigor: Significant course difficulty level especially in assigned reading, writing, mathematics and/or performance.

Technical: Related to the development and/or use of technology.

Unaccredited: Any public, private, parochial, or home school that lacks proper credentials as determined by officials of the Knob Noster R-VIII School District.

Weighted: A course containing significant research and/or other rigorous components often with a prerequisite. A weighted class is afforded an additional "0.3333" GPA.

GRADUATION REQUIREMENTS

Number of Credits Required	Subject Area	Required Courses
4	English Language Arts	ELA I, ELA II or Honors ELA II
3	Social Studies	American History I, American History II, Government, Western Civilizations or European History AP
3	Science	Biology, Physical Science or Chemistry
3	Math	Algebra I, Geometry
1.5	Physical Education	
.5	Health	Freshman PE and Health or Health
.5	Business	Personal Finance
1	Practical Art	
1	Fine Art	
8.5	Electives	May be taken in any subject area.

26 Total Credits

Note – A student must have fulfilled ALL state and local graduation requirements prior to participation in commencement activities.

SUBJECT AREAS

English Language Arts (4 units) A four-unit course of study is required to meet the needs and interests of the student. All students are required to complete ELA I and ELA II or Honors ELA II. Students entering with high school credit from a middle school in ELA are required to complete three units of ELA at the high school level.

Social Studies (3 units) A three-unit program of social studies is required for all students. These must include Government, Western Civilization or AP European History, American History I and American History II. In addition, all students shall satisfactorily pass an examination on the provisions and principles of both the United States and Missouri Constitutions.

Mathematics (3 units) A three-unit course of study to meet the needs and interests of the student. Required courses include Algebra I and Geometry. Students entering with high school credit from a middle school in mathematics are required to complete three units of mathematics at the high school level.

Science (3 units) A three-unit course of study to meet the needs and interests of the student. Required courses include Biology and Physical Science or Chemistry. One unit of science credit may be earned by students enrolled in two years of Vocational Agriculture at the Warrensburg Area Career Center. One science credit may be earned by completing the three courses in Vocational Agriculture at KNHS.

Physical Education (1.5 units) A one and a half-unit course of study to meet the needs and interests of the student. Required course is Freshman P.E. or Freshman Weights. Students with physical disabilities or handicaps may have this requirement waived by the principal with appropriate medical documentation.

Business (.50 units) A half-unit course of study to meet the needs and interests of the student. Required course is Personal Finance.

Health (.50 units) A half-unit course of study to meet the needs and interests of the student. Required course is Health.

Fine Arts (1 unit) A one-unit course of study to meet the needs and interests of the student. No more than eight total units in music can count toward graduation requirements.

Practical Arts (1 unit) A one-unit course of study to meet the needs and interests of the student. Students are required to take at least one unit of course work in one of the following areas: vocational business, family & consumer science, industrial technology, and/or a vocational technical course.

Electives (8.50 units) Placement as needed to fit the needs and interests of the student.

CLASS RANK, HONOR ROLL, and GRADE POINT AVERAGE

- Only four units of credit in Physical Education course will be figured in computing Grade Point Average, Honor Roll, or Class Rank
- Independent study courses will not be used to calculate Grade Point Average, Honor Roll, or Class Rank and will not be weighted. (Refer to specific information regarding Independent Study courses.)
- Correspondence courses will not be used to calculate Grade Point Average, Honor Roll, or Class Rank and will not be weighted. Credit will only be given if the specific course is needed to meet minimum graduation requirements. All correspondence courses must be approved by the high school counseling department and the principal. A student may not apply more than one and one-half (1.5) units of correspondence credit toward minimum graduation requirements without authorization from the R-VIII Board of Education (not applicable for incoming students transferring from other accredited school districts).
- Credit earned at the Gateway Educational Center will not count in figuring Grade Point Average, Honor Roll, or Class Rank and will not be weighted.
- A student must be enrolled in a minimum of six (6) courses per semester, which are counted toward Grade Point Average, Honor Roll, and Class Rank for any grading period.
- An Academic Letter ("K") will be awarded at the end of each school year to students who have obtained a 3.34 Grade Point Average or above for an academic school year, provided they have not received a semester grade of "F" in any subject.

HONOR ROLL CRITERIA

Students who qualify for the 'A' Honor Roll must have at least a 3.670 (A-) grade point average in all subjects for the grading period. Students who accumulate a 2.670 grade point average shall be included on the 'B' Honor Roll. No student with a grade of 'F' shall qualify for either the 'A' or 'B' Honor Roll. Official Honor Roll rosters are published at the end of each semester.

SCHEDULE CHANGES

Parents and students should plan and select courses and alternates with careful consideration. The master course schedule, teacher assignment, and class sizes are determined based on the course requests parents/students make in the spring. In most cases, requests to change schedules in the fall WILL NOT BE GRANTED. Any requests that are received will be reviewed on a case by case basis, but only extraordinary situations will be considered as legitimate reasons to adjust a schedule. If parents/students feel a schedule change is essential, they must put their request in writing along with an explanation warranting the change. The request should be submitted to the school counselors and it will then be reviewed by the administration.

COURSE OFFERINGS AND CLASS SIZE

Due to staffing patterns and student requests, specific course offerings will be limited based upon the total number of requests. A minimum number of students are generally needed in any course to warrant final placement onto the Master Schedule. Thus, not all courses listed in this Career and Planning Guide may be offered.

Class size limitations are placed upon courses for various reasons such as safety, state mandates, or the need for individualized instruction. Every effort will be made to keep class sizes to a level most conducive for student achievement. In cases where student requests for a course outnumber the limit on class size, attendance, behavior, prior academic record, and/or student classification will be used as criteria to determine placement.

PASS/FAIL OPTION

Pass/Fail is an option available to students instead of a traditional grade (A-F) under certain circumstances. The objective of pass/fail is to encourage students to experience courses they may avoid because of a lack of confidence or initial competence.

The following rules apply for courses taken for Pass/Fail (excluding Worksite Learning):

1. A letter requesting Pass/Fail must be presented and approved before the beginning of the school year or before the semester that course is attempted.
2. Passing (P) grades will include A-D coursework and a student will earn credit towards graduation. However, GPA will not be affected or calculated.
3. Students earning a Failing (F) grade will not have their GPA impacted as this will not be entered as a credit attempted.
4. Curriculum available for Pass/Fail:
 - a. Students attempting MOVIP AP courses may apply for Pass/Fail.
 - b. Students attempting any advanced level coursework may apply for Pass/Fail.
 - c. Students taking Algebra II a second time or as seniors may request Pass/Fail.

EARLY GRADUATION

The Knob Noster R-VIII Board of Education believes there is value in learning. To achieve that objective, students must be enrolled in school. The Board of Education encourages all students to attend high school for eight semesters. However, there are exceptions when a student may need to exit at the conclusion of seven semesters.

One of the following criteria must be met for consideration for early graduation:

- Full-time enrollment in a college or university;
- Acquiring full-time vocational training;
- Securing full-time employment due to financial emergency;
- Transferring or retirement of military parents.

In order to be considered for early graduation, students must submit a written letter of intent along with any supporting documentation to the senior counselor no later than the first Tuesday in October of the academic school year for which the student wishes to graduate. In circumstances beyond a student's control, the principal may waive the deadline for submitting a written intent letter.

Supporting documentation must be submitted with each written request for early graduation. The following is provided for assistance.

- If planning to attend college, the student must provide proof of acceptance by the college or university along with a tentative schedule of courses to be taken during the winter or spring semester.
- If planning to attend vocational school, the student must provide proof of enrollment in a vocational or trade school, which their previously chosen career path supports.
- If citing a financial reason, evidence must be submitted and verified based upon specific circumstances, which the student must indicate.

STATUS OF STUDENTS APPROVED FOR EARLY GRADUATION

- Students approved for early graduation will be notified in writing by the Board of Education or their designee no later than ten (10) school days after a final decision is reached.
- Students approved for early graduation WILL BE ALLOWED to participate in commencement activities. However, attendance at commencement rehearsal is MANDATORY or the student forfeits the right to participate.
- Students approved for early graduation WILL NOT BE ALLOWED to participate in any school activities prior to commencement (This includes athletics, dances, field trips, etc.). A student approved for early graduation may attend Project Graduation and Prom.
- Please Note: Early graduation requests are NOT automatically approved. The Board of Education will consider each on a case-by-case basis taking into consideration the aforementioned guidelines.

DEPARTMENTAL HONOR GRADUATES

Departmental or organizational honor societies are created to honor students for academic excellence within their particular discipline. Individual departments and organizations have the option of participating.

Departmental Honor Graduates have an asterisk listed by their name in the Graduation Program. In addition, each department honor graduate receives an honor 'cord' that correlates to the specific department/organization to wear with his or her cap and gown at graduation.

Each spring the faculty members of each department will meet and make Honor Graduate selections based on the criteria they have established within their respective departments. Students are encouraged to contact staff members for the specific details for selection.

Art

Cord Color: Multicolor

- ✓ complete four years of art
- ✓ keep an average of 92% or higher throughout all four year in their art classes

English Language Arts

Cord color: Red

- ✓ Complete four (4) years of English coursework including College Prep or Advanced Placement English with a minimum G.P.A. of 3.25.
- ✓ Minimum cumulative G.P.A. of 3.25 in all other coursework.
- ✓ Must be recommended by a department staff member.

Family and Consumer Science

Cord color: Mint Green

- ✓ Complete minimum of six (6) semesters of coursework in the Family & Consumer Science department.
- ✓ Minimum G.P.A. of 3.7 in all Family & Consumer Science courses and 3.25 in all non-FACS coursework.
- ✓ Maintain active memberships in Family, Career and Community Leaders of America (FCCLA) and participate in organization's activities.
- ✓ Must be recommended by a department staff member.

Foreign Languages

Cord Color: Burgundy

- ✓ Complete minimum of three (3) years of a foreign language in grades 09-12 and maintain a minimum G.P.A. of 3.50 in all foreign language courses.
- ✓ Maintain a cumulative minimum G.P.A. of 3.25 in all non-foreign language coursework.

- ✓ Must be recommended by a staff member in the foreign language department.

JROTC

Cord Color: Blue

- ✓ Seniors who have an A average in all AFJROTC courses
- ✓ Completed at least 3 years of AFJROTC

Math

Cord Color: Light Blue

- ✓ Enrolled in a math course each semester during grades 09-12.
- ✓ Completed Advanced Placement Calculus or Statistics and take the corresponding AP exam.
- ✓ Maintain a minimum cumulative G.P.A. of 3.25 in all coursework.
- ✓ Maintain minimum G.P.A. of 3.50 in all math coursework.
- ✓ Must be recommended by a math department staff member.

Music

Cord Color: Pink

- ✓ Enrolled in a music course each semester during grades 09-12 (i.e. Instrumental course for 4 years or vocal course for 4 years).
- ✓ Maintain minimum 4.0 G.P.A in all music related coursework.
- ✓ Maintain minimum cumulative G.P.A. of 3.5 in all non-music related coursework.
- ✓ No unexcused absences to music-related performances.
- ✓ Must be recommended by a certified staff member within the music department.
- ✓ 'Lettered' in music a minimum of two (2) years.
- ✓ Plus ONE of the following:
 - Earned a '1" rating at contest as part of a solo or small ensemble for minimum of two (2) years OR
 - Attained 'All-District' Honors a minimum of two (2) years.

Science

Cord Color: White

- ✓ Minimum cumulative G.P.A. of 3.25 in all coursework
- ✓ Complete a full year science course each year during grades 9-12 with a 3.5 minimum G.P.A
- ✓ Must complete courses in both the life sciences and physical sciences (chemistry or physics)
- ✓ Must complete at least one of the following upper level courses: AP Biology; AP Chemistry; AP Physics, AP Environmental Science, Anatomy & Physiology
- ✓ Must be recommended by a science department staff member

Social Studies

Cord Color: Navy Blue

- ✓ Minimum cumulative G.P.A. in all coursework.
- ✓ Minimum cumulative G.P.A. of 3.30 in all social studies coursework.
- ✓ Successfully pass both the U.S. and Missouri Constitutions examinations on the first attempt.
- ✓ Complete minimum of eight (8) semesters in Social Studies coursework with minimum of two (2) semester courses being 'weighted'.

Theatre Arts

Cord Color: Black

- ✓ Enrolled in minimum of two semesters of a drama course and earned a minimum G.P.A. of 3.0 for both semesters.

- ✓ Participated as an actor or crewmember in at least one theatrical production per school year during the time of their enrollment at KNHS, including the main stage production and/or the one-act or reader's theatre production.
- ✓ Participated in a minimum of one dramatic event at speech contest (one-act or Reader's Theatre, Duet Acting, Humorous or Dramatic Interpretative Reading, Poetry or Prose) and earned a minimum of one medal at Conference, District or State Speech contest.
- ✓ Demonstrate a love for the theatre and performing arts by attending as many performances as possible. Attendance at performances will be recorded by the teacher or sponsor.
- ✓ Demonstrate a dedication to the Arts of the Theatre by attending rehearsals regularly, listening to and taking direction, meeting rehearsal deadlines, and contributing to the spirit of 'company' by always putting ensemble above individual accomplishment.
- ✓ Be recommended by the Drama department instructors and/or speech team sponsors.

QUALIFICATIONS FOR ACADEMIC EXCELLENCE

Integrity and rigorous course work are cornerstones in any curriculum. It is the goal of the R-VIII Board of Education that a student being recognized for Academic Excellence completes a rigorous and challenging curriculum along with maintaining a full schedule of academic coursework throughout eight (8) semesters of high school. For a student to be eligible for Summa Cum Laude, Magna Cum Laude or Cum Laude honors, the following criteria must be met and applied.

- ✓ Must adhere to each specified criteria under Grade Point Average as stated in this Enrollment Guide.
- ✓ Be enrolled in seven (7) classes both semesters of the senior year or five (5) classes with authorization from the principal to enroll in approved off-campus college courses or MOVIP courses, Worksite Learning or Warrensburg Area Career Center (WACC).
- ✓ Must be enrolled in a minimum of six (6) classes both semesters of the senior year which are used to compute 'Grade Point Average'.

Grade Point Average will be calculated in decimal format to the fourth (4th) decimal digit, with the fourth (4th) decimal digit being rounded to the third (3rd) place. Numerals 5, 6, 7, 8, & 9 will round the third (3rd) decimal digit upward one (1) numeral. (Example: 3.7755 = 3.776; 3.7754 = 3.775)

Recognition will be in the following format:

Summa Cum Laude	4.0 GPA and above
Magna Cum Laude	3.83 to 3.99 GPA
Cum Laude	3.67 to 3.82 GPA

COLLEGE DAY PROCEDURE

Students will be allowed two (2) excused absences to visit a college, university, or other post-secondary institution. In order to be an excused absence, the student must meet the following guidelines:

- ✓ The principal or designee must be notified a minimum of forty-eight (48) hours in advance.
- ✓ The student must submit in writing a letter from the parent/ guardian stating the name of the institution he/she will be visiting as well as the date of visit.
- ✓ The student will be responsible for making arrangements to visit the admissions office and obtain a written statement verifying attendance, along with a name and telephone number from an admissions representative at the college, university, or technical school.
- ✓ The student should return the written correspondence from the admissions office to the assistant principal upon return. Once visit is confirmed, the visit will be officially excused.
- ✓ All homework and/or assignments shall be obtained prior to absence, and it is the student's responsibility to inform teachers of their upcoming absence.

- ✓ If the College Day Procedure is not followed, the absence from school will be considered unexcused.

HOME SCHOOLING POLICY

Should a student present records and/or credit from an unaccredited school or home instructional program, the building principal shall place the student according to an evaluation, based upon the student's chronological age, previous educational records, current psychological and achievement tests, criterion-referenced tests, and other educational data pertinent to the assignment of the student. In accordance with Missouri State Statute, a student transferring from any home instructional program is expected to produce samples of academic work along with logs of instructional hours completed. A student received as a transfer from any unaccredited or home instructional program shall not be placed permanently in a grade or program of study until appropriate professional staff members can evaluate the student.

A student transferring from a home school or other unaccredited institution must be enrolled for two (2) complete semesters and earn at least five (5) units of credit before credit earned from the unaccredited or home school may be accepted to meet graduation requirements.

The building principal and counselor(s) will evaluate transcript credits from an unaccredited school. Only transcript credits which correspond to course offerings accepted by the Missouri Department of Elementary and Secondary Education or which correspond to course offerings of Knob Noster High School may be accepted to meet graduation requirements. A maximum of seven (7) units of credit may be accepted from unaccredited schools for any academic year, including summer school and correspondence courses.

EARLY COLLEGE WITH STATE FAIR COMMUNITY COLLEGE

The Early College program is a dual credit partnership agreement between the school district and State Fair Community College (SFCC). The program is designed to allow high school students who qualify to earn dual high school credit and college credit by taking on-site and online classes. Students may earn college credit as a high school student and graduate with the Missouri general education transfer core and/or a two-year Associate of Arts degree from SFCC at the same time. Enrollment in the Early College program is available to junior and senior level students who have a grade point average of 3.0 or better on a 4.0 scale. Students must also have the recommendation of their high school principal to participate. Additionally, students must have ACT or Acuplacer placement scores appropriate to the dual credit classes being taken. Sophomores and freshman students wanting to take dual credit classes have specific requirements for eligibility. See your counselor for current information.

MISSOURI VIRTUAL INSTRUCTION PROGRAM (MOVIP) POLICY

MOVIP courses are available to all students in the Knob Noster R-VIII District. Registration for courses will be through the school counselors in the students' respective school.

Enrollment will incur financial cost/obligation to the parent/guardian. DESE/MOVIP will notify school contacts and students of enrollment in desired course(s) and provide additional direction for enrollment with the appropriate course network provider. Cost of the class(es) is/are determined by the DESE/MOVIP provider.

PREREQUISITES

Prerequisites for certain courses are designed to reduce the risk for a student to be placed into a course where they may experience difficulty or not be successful. In addition, to maintain academic rigor throughout the curriculum, students must demonstrate mastery of basic concepts in each subject area discipline. Thus, students should be aware that their present effort and performance will impact future enrollment flexibility.

Students not meeting a specific course prerequisite may submit a written request to the counselor's office requesting a waiver of the particular standard. However, only the principal, counselors, and instructor (jointly) have authority to waive any course prerequisite.

***Please Note: If you enroll in a course and have not met all pre-requisites, your schedule will be subject to change without notice. Make sure you have met all prerequisites before enrolling in a course.

COURSE OFFERINGS

Course Number	Subject	Grade Level	Semester	Credit
	<u>English Language Arts</u>			
1120	ELA I	09	2	1
1121	ELA II	09-12	2	1
1125	Honors ELA II	09-12	2	1
1122	ELA III	10-12	2	1
1126	Pre AP ELA	10-12	2	1
1123	ELA IV	11-12	2	1
1116	Speech	09-12	2	1
1152	Creative Writing DC	11-12	1	.5
1155	English Language and Composition AP	11-12	2	1
1157	English Literature and Composition AP	11-12	2	1
1124	Career English	11-12	2	1
	<u>Social Studies</u>			
1213	Western Civilizations	11-12	2	1
1211	American History I	09-12	2	1
1212	American History II (1 st semester only)	10-12	1	.5
1210	Government (2 nd semester only)	10-12	1	.5
1214	Sociology (1 st semester only)	11-12	1	.5
1215	Psychology (2 nd semester only)	11-12	1	.5
1218	Contemporary Issues (1 st and 2 nd semester)	11-12	1	.5
1224	European History AP	11-12	2	1
	<u>Mathematics</u>			
1310	Algebra A	09-12	2	1
1312	Algebra B	09-12	2	1
1313	Algebra I	09-12	2	1
1314	Geometry	09-12	2	1
1315	Algebra II Honors	10-12	2	1
1316	Trigonometry DC (2 nd semester only)	11-12	1	.5
1317	College Algebra DC (1 st semester or Full Year)	11-12	1 or 2	.5 or 1
1328	Statistics AP	12	2	1
1329	Calculus AP	12	2	1
1322	Algebra II	11-12	2	1
1332	Statistics	12	2	1
	<u>Science</u>			
1410	Biology	09-12	2	1
1422	Biology AP	11-12	2	1
1412	Earth Science	10-12	2	1
1413	Physical Science	10-12	2	1
1423	Physics AP	11-12	2	1

1417	Chemistry	10-12	2	1
1424	Advanced Chemistry AP/DC	11-12	2	1
1419	Anatomy and Physiology	11-12	2	1
1420	Chemistry Lab Assistant	11-12	2	1
1450	Environmental Science AP/DC	11-12	2	1
	<u>Vocational Business</u>			
0110	Personal Finance	11-12	1	.5
0112	Accounting I	10-12	2	1
0113	Accounting II	11-12	2	1
0114	Business Technology I	09-12	2	1
0121	Digital Media DC	10-12	2	1
0122	Introduction to Business	9-12	1	.5
0123	Business and Personal Law	9-12	1	.5
0124	Desktop Publishing/Yearbook	09-12	2	1
	<u>Industrial Technology</u>			
0211	Materials and Processing I	9-12	2	1
0212	Materials and Processing II	10-12	2	1
0215	Introduction to Engineering Design (IED)	9-12	2	1
0216	Principles of Engineering (POE)	10-12	2	1
0218	Digital Electronics (DE)	11-12	2	1
	<u>Vocational Family & Consumer Science</u>			
0310	Career and Family Leadership	9-12	2	1
0315	Clothing and Textiles	10-12	1	.5
0316	Housing, Home Furnishings, and Equipment	10-12	1	.5
0318	Nutrition and Wellness	10-12	2	1
0319	International and Specialty Cuisine	11-12	2	1
0320	Child Development, Care, and Guidance	10-12	2	1
0321	Advanced Child Development, Care, and Guidance	11-12	2	1
	<u>Vocational Agriculture</u>			
0730	Introduction to Agriculture	9-12	2	1
0712	Greenhouse Operation and Management	10-12	2	1
0701	Personal Finance and Agriculture Business	11-12	2	1
0702	Landscaping and Turf Management	10-12	2	1
0708	Animal Science	10-12	2	1
0709	Agriculture Sales, Marketing, and Management	11-12	2	1
	<u>Warrensburg Area Career Center</u>			
0910	Agriculture Education	11-12	2 or 4	3 or 6
0911	Computer Repair and Networking	11-12	2 or 4	3 or 6
0912	Automotive Collision Technology	11-12	2 or 4	3 or 6
0913	Automotive Service Technology	11-12	2 or 4	3 or 6
0914	Construction Technology	11-12	2 or 4	3 or 6
0915	Health Science	11-12	2 or 4	3 or 6
	<u>Fine Arts</u>			
0410	Art I	09-12	2	1

0411	Art II	10-12	2	1
0412	Art III	11-12	2	1
0413	Art IV	12	2	1
0409	Ceramics & Painting	10-12	2	1
0414	Concert Choir	09-12	2	1
0424	Experiences in Music	09-12	1	.5
0425	Show Choir	09-12	2	1
0416	Band	09-12	2	1
0417	Jazz Band	09-12	2	1
0418	Drama I	09-12	2	1
0419	Drama II	10-12	2	1
0420	Drama III	11-12	2	1
0421	Drama IV	12	2	1
0423	Introduction to Theatre	09-12	1	.5
	<u>Foreign Language</u>			
0510	Spanish I	9-12	2	1
0511	Spanish II	10-12	2	1
0507	Spanish III DC	11-12	2	1
0508	Spanish Language & Culture AP	12	2	1
0509	Spanish Literature & Culture AP	12	2	1
0552	Spanish 101 DC	11-12	1	.5
0553	Spanish 102 DC	11-12	1	.5
0514	French I	9-12	2	1
0515	French II	10-12	2	1
0516	French III	11-12	2	1
0517	French IV	12	2	1
	<u>Physical Education</u>			
	Health	09-12	1	.5
0614	Lifetime Sports and Fitness	10-12	2	1
0615	Weightlifting & Personal Fitness	10-12	2	1
0623	Freshman Weights	09	2	1
0624	Freshman PE & Health	09	2	1
0625	Sports Education	11-12	2	1
0626	Personal Fitness	10-12	2	1
	<u>Electives</u>			
0714	A+ Tutoring	12	1 or 2	0
0716	Cadet Teaching	11-12	1 or 2	.5 or 1
0717	Flag Corps (1 st semester only)	09-12	1	.25
0722	High School Office Aide	11-12	1 or 2	0
0723	Library Media Center Aide	11-12	1 or 2	0
0725	Work-Site Learning	12	1 or 2	.5 or 1
0726	Critical and Creative Problem Solving	09-12	2	1
1118	ELL	09-12	2	1
0810	A Journey into Aviation History AS-100	09-12	2	1
0811	Cultural Studies: An Introduction to Global Awareness AS-220	10-12	2	1
0812	The Science of Flight AS-200	10-12	2	1

0813	The Exploration of Space AS-300	10-12	2	1
0814	Management of the Cadet Corps AS-400	12	2	1

COURSE DESCRIPTIONS/PREREQUISITES

ENGLISH LANGUAGE ARTS

1120 ELA I (1 unit) Includes grammar, communications (speaking, writing, and reading), and literature. All freshmen are required to take this full-year course.

1121 ELA II (1 unit) Includes reinforcement of skills learned in Communication Arts I and more advanced study in communications and literary interpretation. Emphases will be placed on higher level thinking skills, vocabulary development, and on mechanics and usage skills in the context of writing. All sophomores are required to take this full-year course.

1125 Honors ELA II (1 unit) Honors ELA is an accelerated ELA II curriculum with an emphasis on challenging texts and academic writing. This course will satisfy one of four required English credits. Note: The content of the course will be similar to the on-level ELA II curriculum but will include additional texts and writing practices. Prerequisite: ELA I

1122 ELA III (1 unit) An advanced course designed to provide the student a chronological, historical, stylistic knowledge of American literature. Curriculum will include advanced vocabulary work and writing tied to literary themes. Also, there is a grammar review and special attention given to ways of varying the English sentence. Select American classic novels will be read.

1126 Pre AP ELA (1 unit) Pre AP ELA is an accelerated ELA III curriculum with an emphasis on challenging texts and academic writing. This course will satisfy one of four required English credits. Note: The content of the course will be similar to the on-level ELA III curriculum but will include additional texts and writing practices. Prerequisite: ELA II

1123 ELA IV (1 unit) The purpose of this course is to provide an English class to upper level students who may not desire to enroll in College Preparatory Language Arts. Skills in reading, writing, speaking, and critical thinking will be applied in the completion of a project relevant to a variety of communication needs specifically for the workplace. The course also integrates the study of selected literary excerpts with skills needed in successful communication.

1124 Career English (1 unit) Career English is a junior/senior level option designed for students who need additional skills and practice in career reading and writing. Literature is deemphasized while practical communication skills are emphasized. Texts may include employee manuals, resumes, formal letters, etc. Prerequisite: 2 high school English credits

1116 Speech (1 unit) A course to teach the basic processes of speech communication such as: interpersonal, intra-personal and group communication. Various types of speeches and how they are written will be taught. Demonstrative, informative, and persuasive speaking as well as oral interpretation, debate, and parliamentary procedure will be covered.

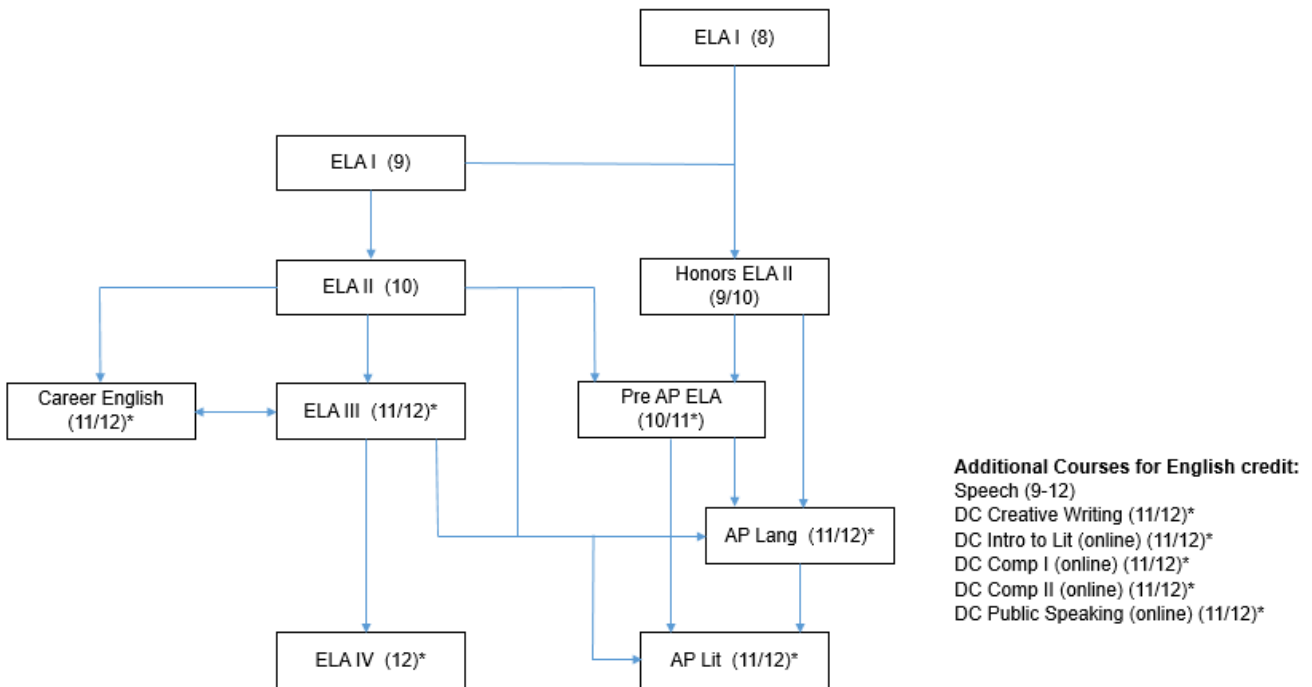
1152 ENGL 106 - Creative Writing DC (0.5 unit) A study and practice in the techniques of writing poetry, fiction, nonfiction, and/or drama. Emphasis is placed on the recognition of those techniques in published works and their utilization in original work. Peer evaluation and individual conferences with the instructor are employed. (3 units college credit) Prerequisites: 3.0 GPA

1155 English Language & Composition AP (0.5 unit) This course emphasizes planning, drafting, and revising along with critical thinking and information management skills and their role in communicating concise written ideas to

a range of audiences for a variety of purposes. Basic computer skills are essential for successful completion. This course also seeks to prepare students to successfully complete the AP English Language and Composition exam.

1157 English Literature and Composition AP (1 unit) This course emphasizes deep reading of complex literary texts (poetry, fiction, and drama) from multiple selected sources. The close readings of these texts will deepen the way students understand how writers use language to communicate meaning to their readers. AP Lit also emphasizes the development of writing skills towards crafting strong composition, and students will connect their writing to their reading of literature. This course seeks to prepare students to successfully complete the AP English Literature and Composition exam. Prerequisites: 2 high school English credits (recommended after AP Lang)

** Additional credits may be available online through State Fair Community College. See your counselor for details.



*Course must be taken after the completion of 2 English credits. See prerequisites in Course Descriptions.

SOCIAL STUDIES

1213 Western Civilization (1 unit) This course is REQUIRED for freshmen. This course is a survey of European history from the Ancient Greek and Roman periods through the Scientific Revolution. The major course of study examines political, economic, cultural, and military developments during this period, as well as its contributions to modern man.

1211 American History I (1 unit) This course is REQUIRED for sophomores and will cover the American experience. From Reconstruction to the Cold War the student should acquire the ability to evaluate our present problems from a study of our past

1212 American History II (.50 unit) This course is REQUIRED for juniors. This course covers the most important political, cultural, social, economic events and personalities of our 20th century as they relate to the American experience from progressivism through the Reagan Era. The student should acquire the ability to evaluate our present problems from a study of our past.

1210 Government (.50 unit) This course is REQUIRED for graduation. Government covers the most basic functions and roles of our government on national, state, and local levels. Areas of concentration include: Powers and

characteristics of the three branches of government, rights and responsibilities of the American citizen, the legal process, and comparative government systems. The course analyzes the various modes and facets of government throughout the American experience from 1607 to 1828. The student will take a comprehensive End of Course exam and the U.S. Constitution test during this course.

1214 Sociology (.50 unit) Sociology is the study of the institutions man must have to live in groups. An investigation is made of how these institutions such as family, religion, and education relate to both society and the individual. Areas of study include the social institutions, race relations, socialization, social stratification, and poverty. Group experiments and individual projects are a part of the course and include the following: personality evaluation, determining personal goals, examination of public opinion and mass propaganda, and an examination of social stratification.

1215 Psychology (.50 unit) This course is designed as an introduction to psychology. Students will study leading psychologists, major theories of psychology, and how various theories apply to the individual. Special emphasis is placed on classical and operant conditioning.

1216 Civil War (.50 unit) This course examines in-depth the politics and beliefs of both the North and the South prior to and during the Civil War. In addition, attention will be focused on studying the leaders, battles, and reasons behind the War. This class will examine the causes, battles, and results of the Civil War. This course will utilize the text, *Battle Cry of Freedom*, as a main resource.

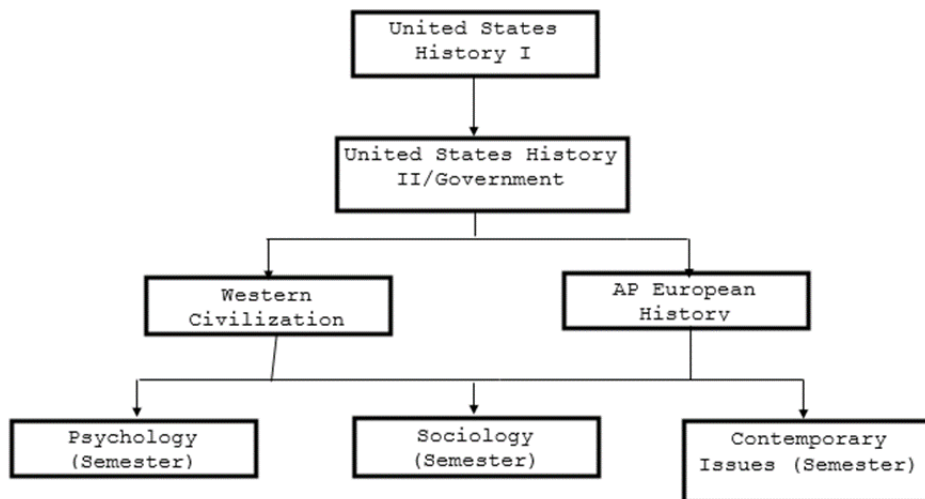
1217 Civil Rights Movement (.50 unit) This course covers the history of the modern US civil rights movement using the book *The Children* as the text. The course will follow the lives of eight young civil rights workers who led the Nashville sit-ins as they became involved with the leaders and the events of the Movement. At least one research project will be required in the course.

1218 Contemporary Issues (.50 unit) Contemporary Issues is a general course of study investigating the components of contemporary American society. Areas to be studied include domestic, economic, and societal problems which are relevant to the American way of life. Students are expected to participate in debates, group work, and individual oral presentations.

1219 Comparative World Religions (.50 unit) This course will examine the five major world religions: Christianity, Judaism, Islam, Buddhism, and Hinduism. In addition, various lesser religions will be explored. Divisions in the monotheistic religions will be studied.

1224 European History AP (1 unit) This course will focus on European cultural, economic, political, and social development from the Renaissance to the modern world. Emphasis will be placed on the unfolding of history as a fundamental part of understanding the world we in which we live. Students will use a broad range of material, including literature and art, and learn how to analyze historical evidence and express historical understanding in writing. This course also seeks to prepare students to successfully complete the AP European History exam

** Additional credits may be available online through State Fair Community College. See your counselor for details.



MATHEMATICS

1310 Algebra A (1 unit) Algebra A is the first in a two-part series of courses which teaches Algebra I in two years. This course provides a review of fractions, measurement, area, and perimeter in addition to exploration of expressions and rational numbers, solutions of linear equations, proportions, graphs, and linear inequalities.

1312 Algebra B (1 unit) Algebra B is the second in a two part series of courses which teaches Algebra I in two years. Unites covered include systems of linear inequalities and polynomials along with factoring and quadratic equations. **Prerequisite: Algebra A**

1313 Algebra I (1 unit) Algebra I is a course designed to give a basic understanding of algebraic concepts and to contribute to the acquisition of algebraic skills. Algebra I is designed to stimulate the student's appreciation of a precise language of mathematics and enables the student to understand the fundamental structure of algebra, which involves the real number system. Included in the course content are sections on the properties of real numbers, solving equations and inequalities, open sentences in two variables, polynomials and their factors, rational expressions, graphing of functions, irrational numbers, and quadratic equations.

1314 Geometry (1 unit) Geometry is a course designed to help students develop visualization skills of both two and three-dimensional figures. Students study the basic properties of triangles, quadrilaterals, and circles based on theorems, postulates and definitions. The volume and surface area of three-dimensional shapes are also studied. The year is finished out with a coordinate geometry introduction. Both inductive and deductive reasoning skills are emphasized throughout the year. Students will need a compass, protractor and ruler. **Prerequisite: Algebra I.**

1322 Algebra II (1 unit) The purpose of this course is to build mathematical connections through the study of equations and functions. Linear, quadratic, polynomial, and logarithmic functions will be explored. The course will also cover systems of linear equations, systems of linear inequalities, and matrices while building upon a strong understanding of powers, roots, and radicals. This course is preparatory for the Advanced Math Topics course. **Prerequisite: Completion of Geometry.**

1315 Algebra II Honors (1 unit) The purpose of this course is to increase understanding of the real number and complex number system through algebraic equations and inequalities. The study of functions is the foundation of this understanding. Polynomial, exponential, matrix, trigonometric, and analytical functions are the main functions covered. Exponential and logarithmic functions are introduced along with conic sections. Technology will be used to explore multiple mathematical representations. This course will prepare students in pursuit of math intensive programs and careers. **Prerequisite: Completion of Geometry with a grade of B- or better. Other considerations for admission will be based on teacher recommendation and parent permission. (Enrollment in Geometry and Algebra II Honors concurrently is not recommended.)**

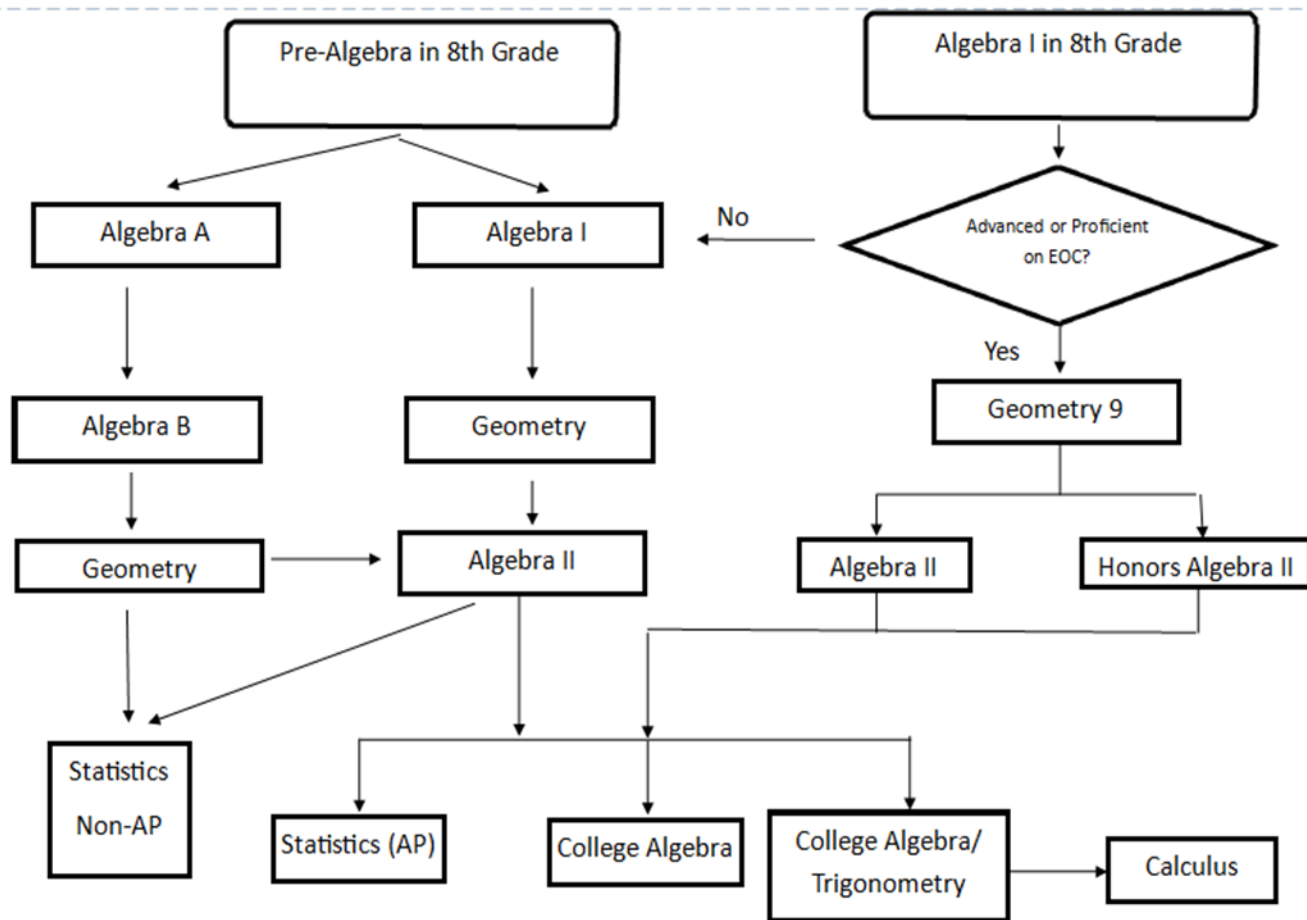
1316 Trigonometry (.50 unit) Trigonometry will be an introduction to the principles of trigonometry. Characteristics of the six trigonometric functions are studied through their graphical relationships, numerical applications, and polar transformations. Students will need a scientific calculator. Prerequisite: Algebra II. For Dual Credit Math 1112 at UCM, students must have an ACT score of 20 or higher in Math and 3.0 GPA or higher.

1317 College Algebra (.50 pf 1 Unit) This course is a continuation of the study of Algebra. Topics include linear and quadratic equations, linear and quadratic inequalities, second-degree relations and functions including composition and inverses, systems of equations, exponential and logarithmic functions, and series and sequences. A student may earn 3 hours of college credit through UCM upon completion of the course. Prerequisite: Algebra II. For Dual Credit Math 1111 at UCM, students must have an ACT score of 20 or higher in Math and 3.0 GPA or higher.

1328 Statistics AP (1 unit) The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns. 2. Sampling and Experimentation: Planning and conducting a study. 3. Anticipating Patterns: Exploring random phenomena using probability and simulation. 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

1329 Calculus AP/DC (1 unit) The Calculus course is primarily a review of analytic geometry, trigonometry, and pre-calculus; an introduction to differential calculus, which solves problems dealing with the tangent to a curve and the velocity of a particle at an instant in time, and an introduction to integral calculus which deals with the calculations of areas of regions with curved boundaries. This course will prepare students to successfully complete the AP Calculus exam. Prerequisite: College Algebra /Trigonometry and approval of Algebra II instructor. For Dual Credit at UCM, students must have an ACT score of 24 or higher in Math and 3.0 GPA or higher.

1332 Statistics (1 unit) This course is designed to provide the student a working knowledge of statistics using collection and organization of data, running appropriate statistical tests on the data, and drawing conclusions from the results of the tests.



SCIENCE

1410 Biology (1 unit) Biology is a basic course designed to introduce students to the nature of science, biomolecules, cells, photosynthesis, cellular respiration, genetics, ecology, and evolution. The year culminates with the EOC exam taken at the end of 2nd semester. All students entering KNHS as freshmen are required to take this full year course. The state of Missouri requires successful completion of this course for graduation.

1422 Biology AP (1 unit) This is an upper level biology course designed for juniors and seniors. Specific areas to be covered include the history of life, evolution, classification, bacteria and viruses, protists, fungi, and animals. This course also seeks to prepare students to successfully complete the AP Biology exam. Prerequisite: Algebra I and recommend a C average and Biology, Physical Science or Chemistry. Current enrollment in Physical Science or Chemistry is permitted.

1412 Earth Science (1 unit) This course involves an exploration of geological aspects of minerals, rocks, weathering, erosion, landforms development, plate tectonics and weather. The astronomy of the solar system and nearby galaxies will be also be studied. This course is for sophomores, juniors and seniors.

1413 Physical Science (1 unit) This course is primarily designed for sophomores and juniors and recommended for students who have chosen career paths in Arts & Communications; Business, Management, and Technology; or Human Services. Topics covered will include atoms, periodic table, chemical reactions, acids and bases, nuclear changes, motion and forces, work and energy, and electricity and magnetism. Laboratory work will be used to provide students with an opportunity to apply the skills they have been taught. Not available to students who have passed Chemistry or Physics. All sophomores at KNHS are required to take either Physical Science or Chemistry.

1423 Physics AP (1 unit) Physics is a math intensive study of several related physical sciences including 1 and 2 Dimensional Kinematics, Dynamics, Rotational and Circular Motion, Momentum and Impulse, Energy, Simple

Harmonic Motion, Sound and Light Waves, Electrostatics, and DC circuits. A great deal of time is spent with laboratory experiments and demonstrations. This course also seeks to prepare students to successfully complete the AP Physics exam in order to receive nationally recognized college credits (8 to 10 hours depending on the college or university). Prerequisite: a completion of Algebra II with a C or better (recommended) or current enrollment in Algebra II.

1417 Chemistry (1 unit) Chemistry is the study of the structure and properties of matter and the changes which matter goes through. Chemistry topics covered in this course include scientific measurement, chemical names and formulas, chemical reactions, molar relationships, stoichiometric relationships, gas laws, atomic structure, electron arrangement, periodic laws, states of matter, acids and bases and nuclear chemistry. Laboratory work will be used to provide students with an opportunity to apply what they have learned. Students should have a mathematical background, which includes Algebra I. Prerequisite: Algebra I and recommend a C average. All sophomores at KNHS are required to take either Physical Science or Chemistry.

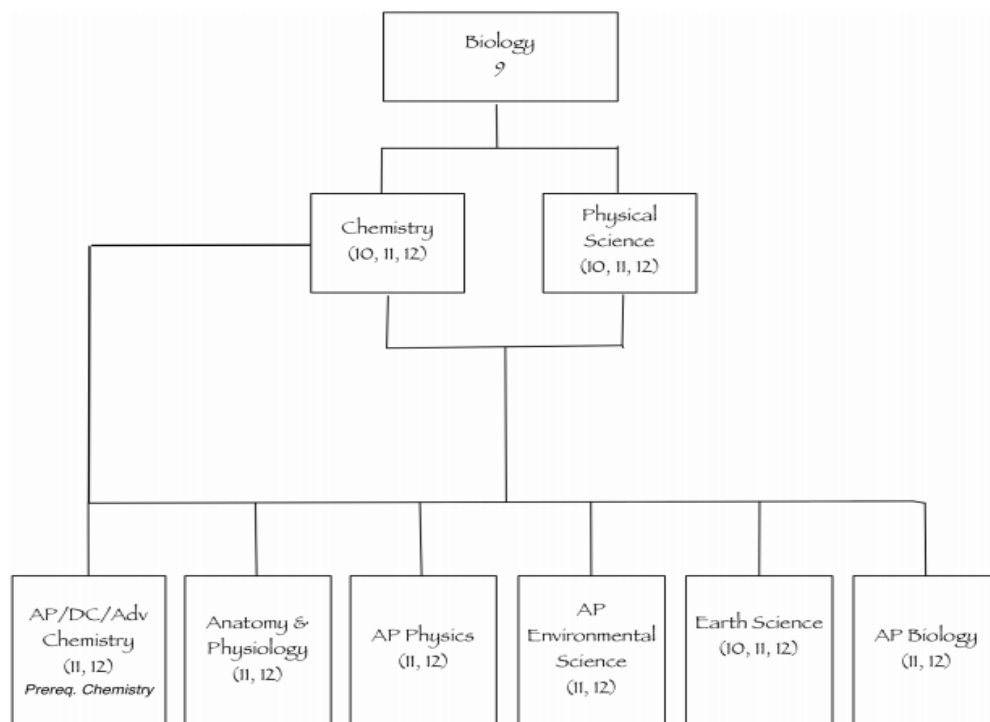
1424 Advanced Chemistry AP/DC (1 unit) Advanced Chemistry is the further study of structure, properties, and changes of matter. The course is designed to be college preparatory in nature. It will expand upon the topics discussed in Chemistry and introduce new topics such as aqueous reactions, thermochemistry, and organic chemistry. Laboratory work will supplement the coursework and provide students with a hands-on approach to the topics being covered. This course also seeks to prepare students to successfully complete the AP Chemistry exam. This course has the potential for up to five (5) hours of college credit from the University of Central Missouri upon completion or 10 hours of college credit through the AP program if a score of 3 or higher is reached on the AP College Board exam in May. Prerequisite: Open to juniors and seniors who have completed Chemistry and recommend C average or better. For Dual Credit Chem 1131 through UCM, students must have a 3.0 GPA and a minimum ACT score of 21.

1419 Anatomy & Physiology (1 unit) This is an advanced course in which students learn concepts dealing with anatomy & human physiology. Topics include biochemistry and biological organization of cells, tissues, organs and systems. Dissections will be used as a teaching tool in this course. This is a course intended primarily for juniors and seniors, but sophomores in the Health Services career path may enroll with instructor approval. Prerequisite: Biology and Physical Science or Chemistry

1420 Chemistry Lab Assistant (1 unit) Students will use skills from chemistry to maintain and manage a laboratory setting. Students will specifically be in charge of setting up lab equipment and making appropriate chemical for labs to be completed by other classes. Inventory of lab equipment and materials will be maintained. Student will be responsible for helping keep the lab, lab storeroom, and equipment clean in addition to other duties assigned. Chemistry Lab Assistant students will follow a self-paced chemistry curriculum to help enhance and reinforce what they have previously learned along with being introduced to new topics not covered in other science courses. Chemistry Lab Assistant students may be responsible for maintaining a chemistry web page for KNHS. A Chemistry Lab Assistant student must have superior knowledge of chemistry principles and laboratory safety skills. Students interested in enrolling must submit a written application and receive instructor approval. Prior chemistry grades, quality of laboratory skills as exhibited in Chemistry class and the written application will be used to determine enrollment. There are a limited number of slots. This course is open to juniors and seniors who are concurrently taking or have completed Advanced Chemistry. (Students wishing to enroll in this course must follow the format for 'Independent Study'.)

1425 Environmental Science AP (1 unit) Environmental Science is a study of the interrelationships between organisms and their physical surroundings focusing on the effects man has within the worldwide ecosystem. This course provides students with knowledge to evaluate choices that can reduce the negative impact man has made on the environment and optimize worldwide living standards. The course emphasizes the development of scientific principles, which allow students to identify and analyze environmental problems and associated risks. Students also examine solutions that can resolve/ prevent ecological problems through critical and creative thinking skills. This course will focus on hands-on activities that expand understanding beyond the classroom. This course is open to juniors and seniors that have completed Algebra I, Biology and Chemistry or Physical Science

** Additional credits may be available online through State Fair Community College. See your counselor for details.



VOCATIONAL BUSINESS EDUCATION

0110 Personal Finance (.50 unit) Required for all students. Must be taken before graduation. Understanding and managing personal finances are key to one's future financial success. This one semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving and credit decisions and to make effective use of income to achieve personal financial success.

0112 Accounting I (1 unit) Accounting involves the study of double-entry bookkeeping for small service and merchandising businesses. It will include recording journal entries, posting, and preparing financial reports. At least two practice sets, with books and business papers, will be used to simulate actual business situations. Much of the work is automated and the student will utilize the computer.

0113 Accounting II (1 unit) Provides students with the knowledge of various accounting procedures. This course will cover departmentalized accounting, corporate accounting, general accounting adjustments, management accounting, and cost accounting. Mini-activities and business simulations will be covered in this class.
Prerequisite: Accounting I

0114 Business Technology I (1 unit) Business Technology I students will introduce the student to Microsoft Office, Excel, Access, PowerPoint and Publisher. Students will learn about job opportunities available in business and develop skills and knowledge needed to succeed in business. In addition students will further develop keyboarding and business math skills.

0117 Desktop Publishing (.50 unit) In Desktop Publishing, students will be provided content for employment in career areas that include desktop publishing skills. Demand in this area will continue to expand as businesses utilize advanced desktop publishing skills to increase their production efficiency and improve the creativity and quality of business documents and publications.

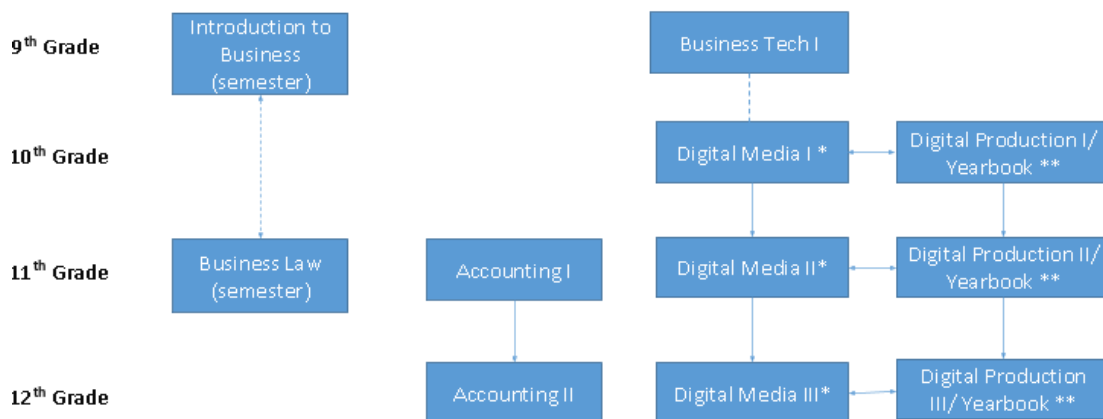
0118 Multimedia (.50 unit) In Multimedia, students will address areas of technology and the skills required to apply various forms of multimedia in the workplace. Units in this class will focus on multimedia forms such as graphics, audio, video, web page design and maintenance, and electronic presentation skills. This course is available to juniors and seniors.

0121 Digital Media DC (1 unit) In Digital Media, students will be provided content for employment in career areas that include digital media skills. Demand in this area will continue to expand as businesses utilize advanced desktop publishing and social media skills to increase their production efficiency, marketing outreach and improve the creativity and quality of business digital media. In addition, units in this class will focus on multimedia forms such as graphics, audio, video, web page design and maintenance, and electronic editing and presentation skills. This course may require time outside of class to record necessary information. This course is not intended for freshmen. This course is aligned with the University of Central Missouri in the areas of Introduction to Radio Broadcasting and/or Introduction to Digital Media for dual credit.

0122 Introduction to Business (.50 unit) The course is designed to provide the student with a basic understanding of how a modified free enterprise system functions. Business structures and technology will also be discussed. Business math and communications applications will be stressed throughout the course. Career information concerning major business occupations will be presented to help in wise career decision-making. Students will complete assignments, including hands-on activities to show them what the real world of business is like. Topics will include communication and interpersonal skills, employability skills, entrepreneurship, business operations, forms of business organizations, and business careers.

0123 Business & Personal Law (.50 unit) Students receive instruction in areas that affect both business and individuals. As law emanates from various governmental and judicial entities, students must possess a fundamental understanding of law and the foundations of our legal system. The impact of international business and technology has created an additional demand for students to have a general knowledge of international law. Among the areas of study will be: contracts, insurance, purchasing, rental/leasing agreements, along with tort and financial law. This class is not intended for freshmen.

0124 Desktop Publishing/Yearbook (1 unit) Students will be introduced to journalistic writing, computer and traditional page layout techniques, picture taking, along with the principles and responsibilities of producing the school's yearbook, the Knobna. This course is open to seniors. There are a limited number of slots available. Interested students must submit an application, a letter of recommendation from a faculty member, and be approved by the instructor. Applications are available from the counselor's office. Prerequisite: A B- grade average in the student's most recent Language Arts class.



** Additional credits may be available online through State Fair Community College. See your counselor for details.

INDUSTRIAL TECHNOLOGY

0211 Materials & Processes I (1 unit) This course is a study of the operations involved in the transformation of woods, metals, and plastics into usable products with special emphasis placed on technical information, qualities, specifications, and standards. Activities include experimenting, creating, designing, constructing, and evaluating products built using hand tools, machine tools, or constructed with the aid of automated or computerized manufacturing.

0212 Materials & Processes II (1 unit) This course is a further study in the area of woods, metals, and plastics. Students are expected to complete a major project. Prerequisite: Materials and Processes I

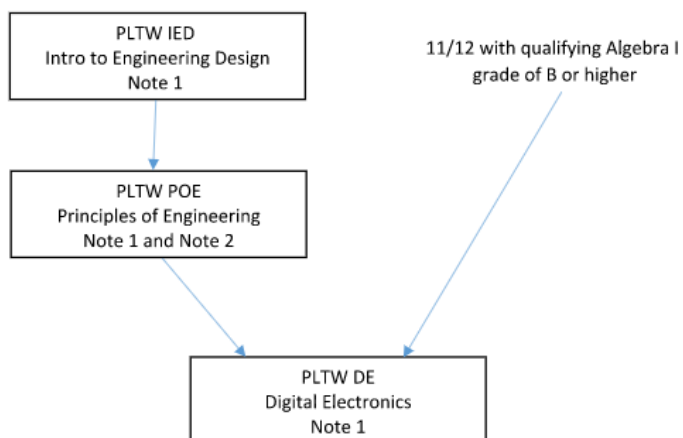
0213 Special Projects in Materials (1 unit) Advanced applications, research and design fundamentals, and experimentation will be major areas of exploration in this class. The course is designed to follow format of an Independent Study course. Prerequisite: Materials & Process I & II and instructor approval.

0215 Introduction to Engineering Design (IED) (1 unit) In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. This course is designed for 9th or 10th grade students. There is no prerequisite knowledge required, but students should be concurrently enrolled in college preparatory mathematics and science courses.

0216 Principles of Engineering (POE) (1 unit) Principles of Engineering (POE) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech career POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Prerequisite: 0215 Introduction to Engineering (IED)

0217 Digital Electronics (DE) (1 unit) Digital Electronics (DE) is the study of electronic circuits that are used to process and control digital signals as opposed to analog signals that are varying. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation Digital Electronics is one of three foundation courses in the Project Lead The Way high school pre-engineering program. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

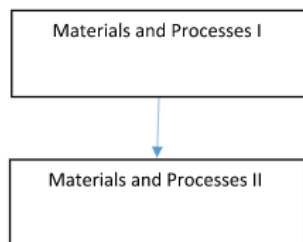
PLTW ENGINEERING



Note 1 - With qualifying scores counts as college credit at PLTW partner colleges including Mizzou, MO S&T, and UCM

Note 2 – POE counts as a science credit

Industrial Technology



VOCATIONAL FAMILY AND CONSUMER SCIENCE

0310 Career and Family Leadership (1 unit) This course is designed to give the student general knowledge in all disciplines of the Family and Consumer Sciences curriculum. Students will study information that will help prepare for family life by emphasizing development of attitudes and values, food and nutrition, family living, parenthood education along with child growth and development, housing and home management, and clothing and textiles.

0315 Clothing and Textiles (.50 unit) This course prepares students to learn and enjoy a skill that will last a lifetime. Basic construction techniques are emphasized as well as proper use of sewing equipment. Students will demonstrate competency in using techniques of clothing construction to construct wearable garments. A one-day job shadowing experience is arranged for each student during the semester. Prerequisite: Career and Family Leadership

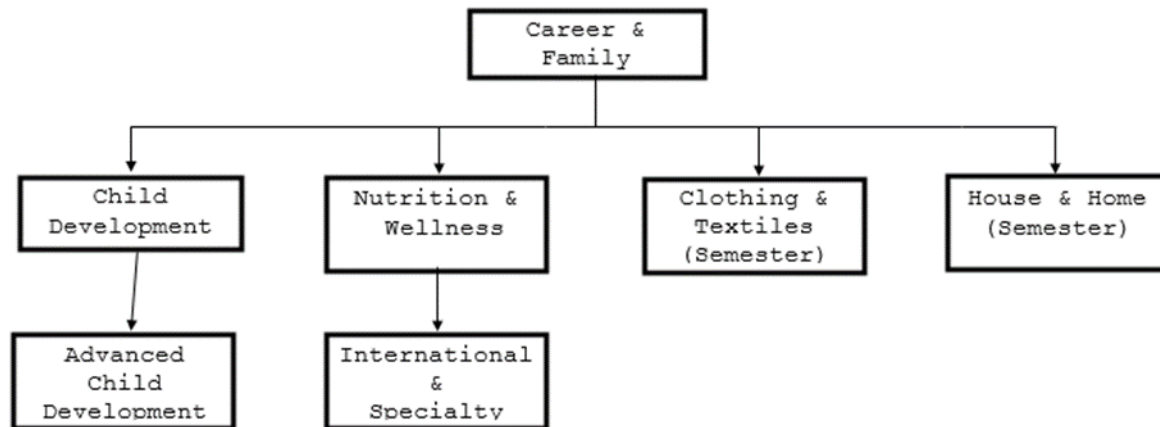
0316 Housing, Home Furnishings and Equipment (.50 unit) This course will prepare students to explore the various needs families have for housing and creating a home. Factors that will be explored are types of housing, cost, home furnishings, and equipment to improve living space to meet individual and family needs. A one-day job shadowing experience is arranged for each student during the semester. Prerequisite: Career and Family Leadership

0318 Nutrition and Wellness (1 unit) This course prepares students to study the nutritional value of food as well as to develop an understanding of the significance of food. Students will have hands-on practice in reading and writing recipes. Students will learn various tools and equipment used in food preparation, the techniques of meal planning, and the importance of safety and sanitation. A one-day job shadowing experience is arranged for each student during the semester. Prerequisite: Career and Family Leadership

0319 International & Specialty Cuisine (1 unit) This course will explore some of the culinary preparation techniques of international and ethnic foods as part of an individual's cultural identity. The culturally unique food traditions based on a country's climate, agricultural/manufactured projects, geography, economic standard of living, religion, traditions, and festivals of a country's population will be introduced. Students will compare the interrelationship between food habits and culture. The distribution of food varies in many countries and throughout the world. The course will review and demonstrate safety and sanitation in the lab and when handling food, correct measuring, use of standard recipes, table setting, food presentation, meal planning and the completion of the cooperative work skills. Students will tour the world making a travel log of countries and frequently prepared cultural foods. Prerequisite: Nutrition and Wellness

0320 Child Development, Care and Guidance (1 unit) This course is designed to teach student about families, parenting skills, teen pregnancy, and preparing for birth. It also provides basic knowledge of child development and growth and provides a variety of personal experiences that will give students an understanding of the role of caregivers. Students will also have the opportunity to spend time with Baby-Think-It-Over. A one-day job shadowing experience is arranged for each student during the semester. Assessment is made by observation, worksheets, tests, job shadowing, and scoring guides. Prerequisite: Career and Family Leadership

0321 Advanced Child Development, Care and Guidance (1 unit) Advanced Child Development is designed as a sequential course that will prepare students to understand child development concepts. This course emphasizes the developmental stages beginning with school age. Consideration is given to the effects of societal changes, and need fulfillment at each stage. Students will receive hands-on experience by working and observing in a child care center. (Internship) Assessment is made by observation, internship, journal, test and scoring guides. Prerequisite: Child Development, Care and Guidance *Students enrolled in this course will be responsible for traveling to and from the child care center in their own vehicle. This course must be taken in conjunction with an Independent Study Course.



VOCATIONAL AGRICULTURE

0730 Introduction to Agriculture (1 unit) Is a yearlong course will combine Agriculture Science 1 curriculum and Agriculture Science 2 curriculum. The first semester will focus on an introduction to the FFA Organization and an introduction to animal sciences. The second semester will focus on developing SAE projects and an introduction to plant sciences.

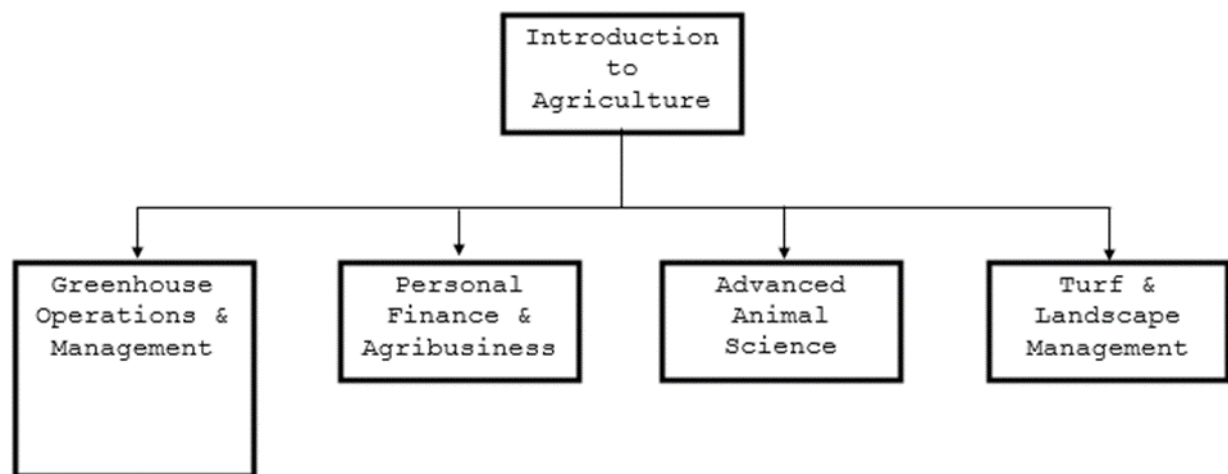
0712 Greenhouse Operation and Management (1 unit) This course will introduce students to greenhouse operations and care. The class will look at types of greenhouses, heating and cooling systems, pests, and disease control. We will also discuss types of plants, watering techniques, artificial reproduction of plants, and costs of all aspects of greenhouse operations. Most of the class will take place in the greenhouse facility and involve mathematics and hands on work. There is a \$25 course fee for this class Prerequisite: Introduction to Agriculture.

0701 Personal Finance and Agriculture Business (1 unit) This is a one year course, with the first semester emphasizing Personal Finance principals, and the second semester focusing on Agricultural Sales. This course will cover a wide range of topics including: income, money management, spending and credit, saving and investing, marketing, salesmanship, and presentation skills. This course will have an emphasis in agricultural topics, and will meet the state requirements for a half credit of Personal Finance and a half credit elective course. This class will not be counted in the 3 courses necessary to receive a science credit. Prerequisites: Introduction to Agriculture.

0702 Landscape and Turf Management (1 unit) This course will cover a wide range of topics including: opportunities in the landscape and turf grass industries; how plants grow; hand and power tools; installation and maintenance of trees, shrubs, bedding plants, and ground covers; turf grass; site analysis and evaluation; plant identification and selection; design elements; and cost estimates. This course is a 1 year course. Prerequisites: Introduction to Agriculture

0708 Animal Science (1 unit) Encourages research and systems approach to beef, dairy, swine, horses, goats, sheep, and poultry. This advanced course is suitable for 11th and 12th grade students. Topics to be covered include: nutrition, genetics, reproduction, and animal health. Prerequisite: Introduction to Agriculture

0709 Agribusiness Sales, Marketing & Management (1 unit) This course will cover the role of agricultural business in the economy, career opportunities, personal skills, basic economic principles and agricultural business activities. Students will study the process of creating a sales presentation and will then present their own sales presentation. Prerequisite: Introduction to Agriculture



Students may take three agriculture courses to count as one science

FINE ARTS

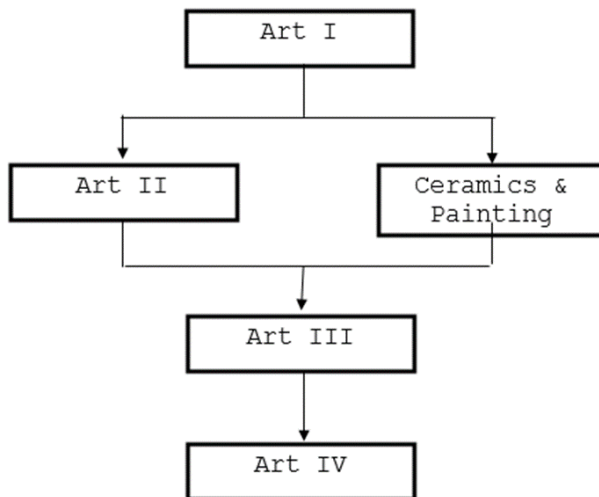
0410 Art I (1 unit) Art I fulfills the fine arts requirement and is a prerequisite for all advanced art courses. Students engage in disciplines of art history, art criticism, aesthetics, and art production. Students will view, discuss and analyze art history from Ancient Greek to contemporary art and be introduced to and practice the art criticism process. Students will produce works of art in various techniques and with a variety of materials. Students will display their work in the school, community and contests.

0411 Art II (1 unit) Art II students will explore art history from Egyptian art to contemporary art. Students are introduced to and practice the art criticism process from the art history approach. Art production is designed to create critical thinking, originality and problem solving. Prerequisite: Completion of Art I with a recommend C average.

0412 Art III (1 unit) Art III is for the highly motivated and serious art student. Aesthetics, art history, and art criticism study enables students to understand their own work and work of other cultures and times. A historical overview of art is used as reference for student art production and study. Students will produce work in various techniques and materials. A level of high quality work is expected. Prerequisite: Completion of Art II with a recommend C average.

0413 Art IV (1 unit) Art IV is designed for the highly motivated and serious art student. The study of art history and art criticism study enables students to understand their own work and work of other cultures and times. A historical overview of art is used as reference for student art production and study. Students will produce work in various techniques and materials. A level of high quality work is expected. Prerequisite: Completion of Art III with a recommend C average.

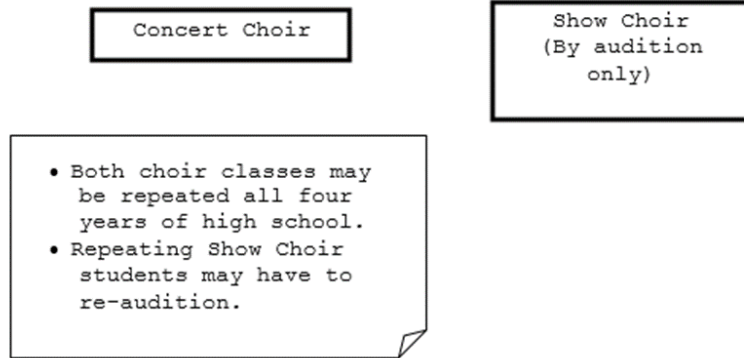
0409 Ceramics & Painting (1 unit) This will be a yearlong course that will focus on ceramic hand building skills and advanced painting techniques. In ceramics, students will heavily study design and construction while applying many different artistic tools, techniques and materials. In painting, students will be introduced to many different styles and techniques in painting such as, but not limited to, Watercolor, Gouache, Acrylic, and Sumi-e. They will focus heavily on developing their skills through the use of the principles and elements of art. Art history, Criticisms, Aesthetics, and Careers will be studied throughout the entire course. Art production is designed to create critical thinking, originality and problem solving. Prerequisites: B grade average in Art I, or teacher approval



0414 Concert Choir (1 unit) Concert Choir is for students who enjoy and want to learn more about singing. Students will work on the fundamentals of singing, part singing, simple sight-reading, and the fundamentals of music as well as aspects of music appreciation including listening, musical theatre, and music history. Students are required to perform at all scheduled concerts and competitions. To reenroll students must have a B or better average.

0424 Experiences in Music (0.5 credit) This class is for students who have an appreciation for music but don't want to participate in a performance-based course. Students will be introduced to the elements of music through exploration of music theory, concert observations, computer programs, web based instruction, listening assignments, and music production. We will also examine music's influence on our culture through various media.

0425 Show Choir (1 unit) Show Choir is a specialized choir class involving all of the skills and activities of choir combined with rigorous choreography including theatrical movement and dance. Students enrolled in Show Choir are required to attend all scheduled performances and competitions. Members may have to purchase certain items of the Show Choir outfit. Prerequisite: Students must audition for this class.



0416 Band (1unit) This course stresses the understanding of music notation and vocabulary, elements and styles of music, as well as having a command of performance and listening skills. Marching band in the fall converts to a concert band upon completion of marching responsibilities near the end of 1st quarter. The band performs at various civic events, school music programs, and MSHSAA contests and festivals. All public performances participated in by the band are required. Excuses other than personal illness or family weddings and funerals may be considered on an individual basis (work will not be an excused absence). Some of the larger and unique instruments are available from the school at no charge, but most students own their own instruments. Prerequisite: Students entering high school band should have a minimum of three years playing experience and must possess basic music reading and group participation skills as approved by the instructor.

0417 Jazz Band (1 unit) This course explores jazz styles such as swing, rock, Latin, and blues through the big band ensemble. Instruction will also include basic improvisation. The jazz band performs at various civic events, school music programs, home basketball games and MSHSAA contests/festivals. All public performances participated in by the band are required. Excuses other than personal illness or family weddings and funerals may be considered on an individual basis (work will not be excused). Prerequisite: Students entering high school jazz band should have a minimum of three years playing experience and must possess basic music reading and group participation skills as approved by the instructor.

0418 Drama I (1 unit) This class is specifically designed for those interested in the play and other performance opportunities. Students will be expected to participate in at least one competition and help with our own competition and school play(s). The class will also include a study in Theatre History, Technical Theatre and in-depth aspects of Theatre production.

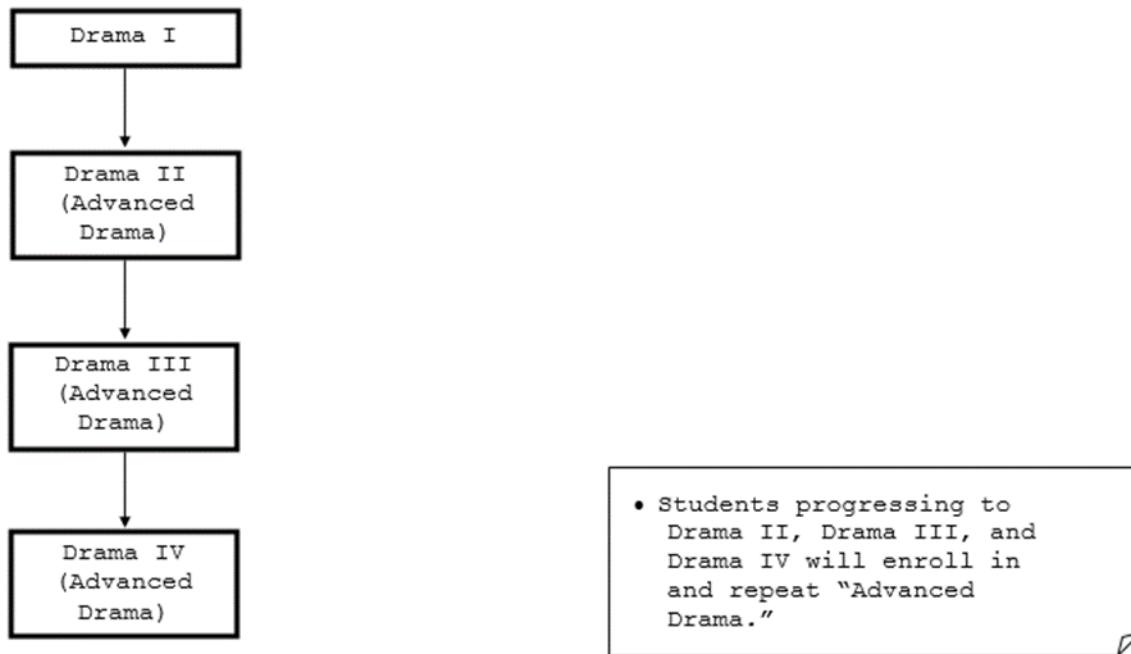
0419 Drama II (1 unit) Drama II is designed to afford the student an opportunity to put into practice basic principles and theories mastered in Drama I. The course concentrates on studying in-depth plays of significant dramatic merit, acting in styles and presentation of various periods of dramatic history, and presentation of a variety of individual dramatic materials. Students will be required to participate in at least one competition and other public performances. Prerequisite: Successful completion of Drama I, B average and teacher approval.

0420 Drama III (1 unit) This course has a further in-depth study of all areas of drama. Emphasis is on performance. Students are required to participate in at least one competition and to help with our own competition and play(s). Prerequisite: Successful completion of Drama II and a B average.

0421 Drama IV (1 unit) This course continues the study of all the areas of drama. Emphasis is on performance. Students are required to participate in at least one competition and to help with our own competition and play(s). Prerequisite: Successful completion of Drama III and a B average.

0423 Introduction to Theatre (0.5 credit) This course will introduce students to various aspects of the theatrical production as well as examine drama through multiple media and its influence on culture.

** Additional credits may be available online through State Fair Community College. See your counselor for details.



FOREIGN LANGUAGE

0510 Spanish I (1 unit) This course emphasizes speaking, listening, reading, writing and cultural activities in Spanish. It focuses on basic vocabulary and grammar concepts in situations using the present tense. It is recommended that the student have at least a C average in previous English Language Arts class.

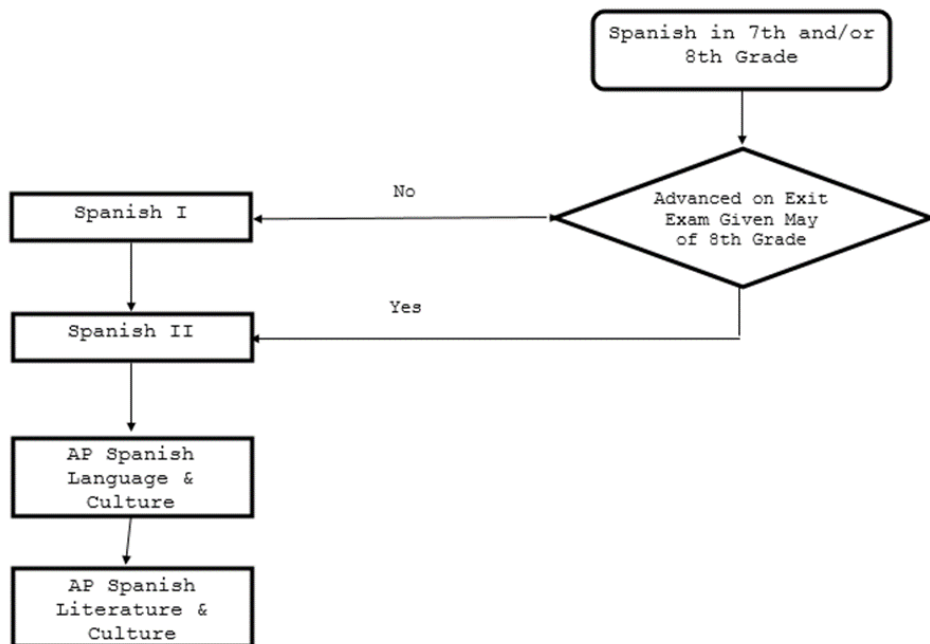
0511 Spanish II (1 unit) Spanish II emphasizes speaking, listening, reading, writing and cultural activities in Spanish. It reviews Spanish I concepts and focuses on intermediate vocabulary and grammar concepts in situations using past and future tenses. Prerequisite: Completion of Spanish I with a recommend C average.

0507 Spanish III DC (1 unit) This course emphasizes speaking, listening, reading, writing, and cultural activities in Spanish on an advanced level. In most situations, class will be conducted in Spanish. The course will include a study of Spanish literature. Prerequisite: Completion of Spanish II with a recommend B average. For Dual Credit SP 101 at CMU, students must have an ACT score of 18 or higher in English and 3.0 GPA or higher.

0508 Spanish Language & Culture AP (1 unit) This course emphasizes speaking, listening, reading, writing, and cultural activities in Spanish at a very advanced level. In most situations, class will be conducted in Spanish. The course will include a study of Spanish Culture. This course will prepare students to successfully complete the AP Spanish Language and Culture exam. Prerequisite: Completion of Spanish III with a recommend B average.

0509 Spanish Literature & Culture AP (1 unit) Uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretative), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on constructing relevant cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). This course will

prepare students to successfully complete the AP Spanish Literature & Culture exam. Prerequisite: Completion of Spanish III with a recommend B average.



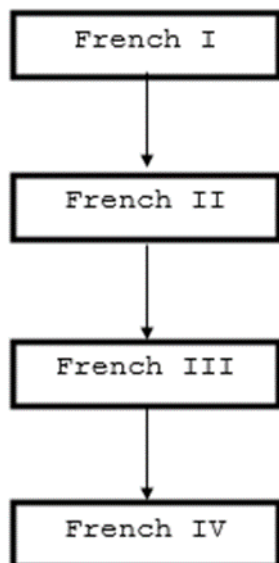
0514 French I (1 unit) This course emphasizes speaking, reading, writing and cultural activities in French. It focuses on basic vocabulary and grammar concepts in situations using the present tense.

0515 French II (1 unit) French II emphasizes speaking, listening, reading, writing, and cultural activities in French. It reviews French I concepts and focuses on intermediate vocabulary and grammar concepts in situations using past and future tenses. Prerequisite: Completion of French I with a recommend C average.

0516 French III (1 unit) This course emphasizes speaking, listening, reading, writing, and cultural activities in French on an advanced level. In most situations, class will be conducted in French. It includes a study of French literature. Prerequisite: Completion of French II with a recommend B average.

0517 French IV (1 unit) This course emphasizes speaking, listening, reading, writing, and cultural activities in French at a very advanced level. In most situations, class will be conducted in French. It includes a study of French literature. Prerequisite: Completion of French III with a recommend B average.

** Additional credits may be available online through State Fair Community College. See your counselor for details.



PHYSICAL EDUCATION

0614 Lifetime Sports & Fitness (1 or .50 unit) This course is designed to promote a maximum level of total fitness through individual participation in physical performance activities. Areas included are: personal fitness, aerobic exercises, classroom activities (nutritional needs, weight control, and body composition), and team sport activities.

0615 Weightlifting & Personal Fitness (1 or .50 unit) This is a co-educational course for students who are serious about increasing strength and fitness. A high level of participation and effort is expected.

0623 Freshman Weights (1 unit) This is an entry level co-educational course for freshman who have completed their high school Health requirement during summer school prior to their freshman year. It is intended for students who are serious about increasing strength and fitness.

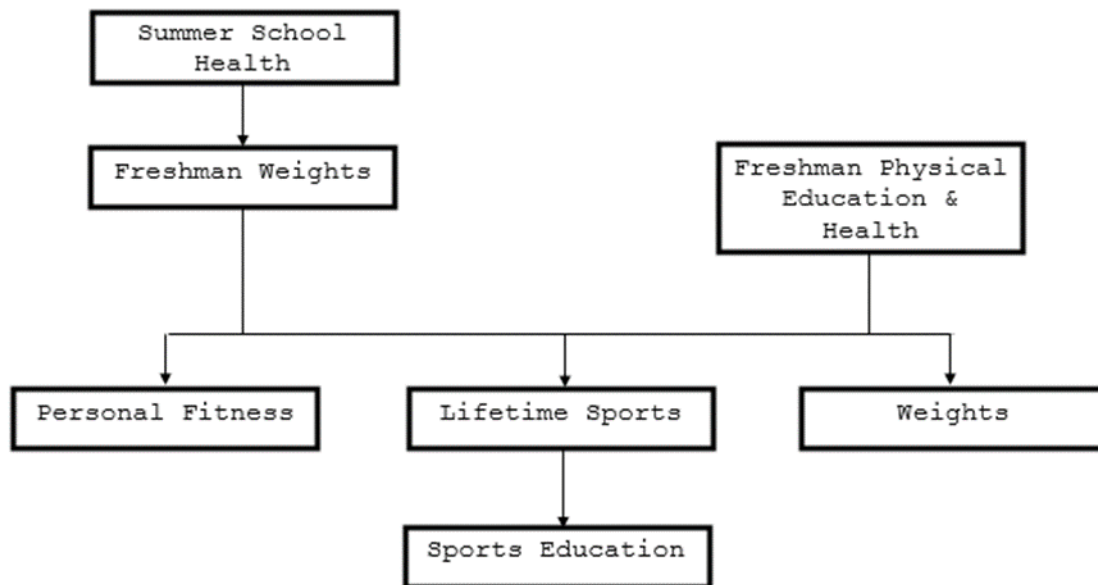
0624 Freshmen P.E & Health (1 unit) Grades: 9th or for graduation. This course is designed to introduce the students to the concept of health: physical, mental/emotional, and social. Through the study of the body, the student will have the opportunity to make choices to live a more active productive life now and in their future. This class includes current information on nutrition, eating disorders, mental health, handling emotions, human reproduction, STD's including AIDS, information on predators and sexting, first aid, as well as many other health related topics. Human reproduction will be taught on an abstinence basis with information on contraception. Students will learn a variety of sports and fitness activities needed to be active for a lifetime. Students will be active throughout the year and will learn about and try to live a lifestyle that is healthy and active. Information will be applied from the health room to the gymnasium. The standard rotation will be 2 weeks in the classroom and 2 weeks in the gymnasium

0625 Sports Education (1 unit) Grades 11 – 12. This course is designed to advance the knowledge of individual and dual sports. During the course students will research all aspects of the activities including scorebook, officiating, sports management, announcing, scouting, and sports apparel. For each activity students will be placed in teams to organize all aspects of the activity throughout the sporting season. This course is not game play driven but is more driven toward how to run a sports organization. Prerequisite- Lifetime Sports & Fitness

0626 Personal Fitness (.50 unit) This course will provide students the opportunity to develop cardiovascular endurance, flexibility, and muscular strength through a variety of activities. Some activities to be covered but not limited to: aerobics, Zumba, yoga, Pilates, power walking, running, and fitness bands. This is a high participation class for self-motivated students dedicated to personal fitness.

****NOTE****Students should be aware that only 3 units of credit in ANY Physical Education course will be figured in computing Grade Point Average, Honor Roll or Class Rank after the Freshman year. Students may enroll in only one (1) unit of physical education during each of their sophomore, junior, and senior year unless approved by the principal.

** Additional credits may be available online through State Fair Community College. See your counselor for details.



ADDITIONAL ELECTIVES

0714 A+ Tutor (No Credit) This class is a semester in length whereby a student who is in good standing with the A+ Schools Program may be assigned a location within the District to complete their tutoring requirement as specified by the State A+ School requirements. A student must have the approval of the counselor, A+ School Director, and Principal. A separate application requesting placement as an A+ Tutor is required when submitting your enrollment form. Applications may be picked up from either the counselor's office or from the A+ Schools Director. There are a limited number of slots available.

0716 Cadet Teaching (.50 unit per semester) This course is designed to help high school students who are interested in entering the teaching profession and affords students an opportunity to work in a classroom under an experienced teacher to gain insight in the problems educators encounter on a routine basis. The course is open to juniors and seniors who have a minimum overall GPA of a 2.50, no failing semester grades, and a record of good school attendance and citizenship. Assessment is determined by attendance, presentations/participation, and written work/reports. Membership in Future Teachers of America (FTA) is recommended. There will also be an additional mandatory 2-hour training session prior to the beginning of the school year.

0717 Flag Corps (.25 unit) This course is offered during first semester only. The flag corps participates at all home football games and parades and competitions attended by the Panther Pride Marching Band. Students will be responsible for learning and memorizing flag routines for these public performances. All public performances participated in by the flag corps are required. Excuses other than personal illness or family weddings and funerals may be considered on an individual basis (work will not be excused). **Auditions for this group typically occur in February of the preceding school year.

0722 Student Office Aide (No Credit) This class is a semester or year in length whereby the student is placed in the office to gain experience in office etiquette. Responsibilities are, but not limited to, copying, filing, organizing, and delivering messages. This course is only available to juniors and seniors who have displayed above average

effort in areas of attendance, citizenship, and scholarship. A separate application requesting placement as an office aide is required when submitting your enrollment form. Applications can be obtained from the counselor's office. There are a limited number of slots.

0723 Library Media Center Aide (No Credit) This course is a semester or year in length whereby the student is placed in the library media center (LMC) under the supervision of the LMC instructor. Responsibilities will include, but are not limited to becoming familiar with operating the electronic card catalogue system, inventory of incoming and existing LMC resource materials, along with other duties assigned by the instructor. A separate application requesting placement as a library media center aide is required when submitting your enrollment form. A student must interview with the Library Media Center instructor. This course is only available to juniors and seniors who have displayed an above average effort in areas of attendance, citizenship and scholarship. There are a limited number of slots. Applications may be picked up at either the counselor's office or LMC.

0725 Work-Site Learning (.50 unit per semester) Work-Site Learning is a senior only course designed to provide additional and/or specialized experience for a student beyond the traditional classroom setting. Students get practical exposure to the business world, a heightened awareness of educational and career choices, real-world perspectives on the importance of education, an increase in self-esteem and motivation to succeed, an improvement of interpersonal skills, and a development of critical employment skills. An average of 7½ hours work per week is required for each period of worksite learning. Grading is done by the employer through an extensive evaluation sheet. Grades assigned are either pass or fail. Students may take only one period of worksite learning per semester.

0726 Critical and Creative Problem solving (1 unit) A comprehensive curriculum for gifted and high-achieving students centered on skills that are integral in all disciplines and all facets of life. Student activities are designed to enhance critical and creative thinking, problem solving, research and technology skills, leadership ability, and social and emotional needs. Emphasis is placed on managing and optimizing personal strengths and interests and identifying future educational and career opportunities. Specific topics of study may include high stakes test preparation, communication skills, academic success strategies, community service, and personal development.

1118 ELL/English Language Learner (1 unit) This course is intended for students who have a first language other than English and possess a limited English proficiency. This course develops the English skills they need to succeed academically and function in their everyday tasks.

AIR FORCE JUNIOR ROTC

Program Description: The AFJROTC is a program for high school students instrumental in developing citizens of character dedicated to serving our nation and communities. Each year the course is divided into three categories: Aerospace Science (AS) 40%, Leadership Education (LE) 40%, and Wellness 20%. Students are provided a uniform free of charge and are required to wear the uniform once each week and meet Air Force grooming standards. A uniform cleaning fee may be assessed if the uniform is not turned in clean and pressed at the end of the year. Books and materials are provided by the Air Force. Instructors will be retired Air Force personnel who are certified in JROTC instruction. Guest speakers and field trips will be included as part of the curriculum. Wellness is an official part of the Air Force Junior ROTC program and is reinforced through an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. Students do not have any future military commitment, but ROTC scholarship opportunities are available for top-performing students. At the discretion of each military service, advanced enlistment grade credit is normally available to students completing two or more years of the program.

0810 A Journey into Aviation History AS-100 9th Grade or First Year Students (1 unit). This aviation history course focuses on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

The Leadership curriculum introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program and provides a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions, health and wellness, fitness, individual self-control, and citizenship.

The Health and Wellness component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Individual baselines are established by the Presidential Fitness Challenge Program and the AFJROTC Wellness Program consisting of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity.

0811 Cultural Studies: An Introduction to Global Awareness AS-220 This is a course option available with a minimum enrollment of ten (10) cadets comprised of 2nd through 4th Year JROTC Cadets (1 unit) This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region.

Leadership Education III: A Life Skills and Career Opportunities textbook will be helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful as well. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

The Health and Wellness component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Individual baselines are established with the Presidential Fitness Challenge Program and the AFJROTC Wellness Program consisting of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity.

0812 The Science Of Flight AS-200 2nd and 3rd Year JROTC Cadets offered every other year (1 unit) This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

2nd Year Cadets Leadership II: Communication, Awareness and Leadership stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

3rd Year Cadets, Leadership Education III: A Life Skills and Career Opportunities textbook will be helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and

how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful as well. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

The Health and Wellness component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Individual baselines are established with the Presidential Fitness Challenge Program and the AFJROTC Wellness Program consisting of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity

0813 The Exploration of Space AS-300 2nd and 3rd Year JROTC Cadets offered every other year (1 unit) This science course includes information about space science and exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides a study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on the human experience in space. It also examines the latest advances in space technology, including robotics in space, the Mars Rover, and commercial uses of space.

2nd Year Cadets Leadership II: Communication, Awareness and Leadership stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

3rd Year Cadets, Leadership Education III: A Life Skills and Career Opportunities textbook will be helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful as well. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

The Health and Wellness component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Individual baselines are established with the Presidential Fitness Challenge Program and the AFJROTC Wellness Program consisting of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity

0814 Management of the Cadet Corps AS-400 4th Year Cadets (1 unit) Management of the Cadet Corps: The cadets manage the entire corps during their fourth year in the JROTC program. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision making will be done by the cadets. They practice their communication, decision making, personal-interaction, managerial, and organizational skills.

Leadership Education 400 Principles of Management: This is the 4th course in leadership education. This course provides exposure to the fundamentals of management. Throughout the course many ethical dilemmas, case studies, and role play activities are built into the lessons.

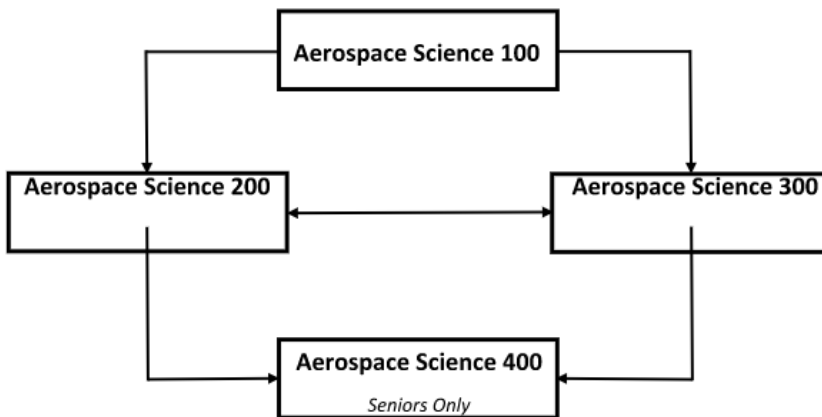
The Health and Wellness component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Individual baselines are established with the Presidential Fitness Challenge Program and the AFJROTC Wellness Program consisting of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity. Prerequisite: Group level position and approval of the Senior Aerospace Science Instructor.

Cross-Town Agreement: A Cross-Town Agreement exists between Knob Noster High School and several surrounding school districts. This agreement has been established to allow students from area high schools to participate in Air Force Junior ROTC classes and activities at Knob Noster High School (KNHS).

All guidelines for discipline established by the Knob Noster R-VIII Board of education or Knob Noster High school will be in effect. The SASI, with concurrence of the KNHS principal, may remove any student for failure to maintain AFJROTC standards. Disciplinary referrals will be sent to the sending high school for disposition.

Attendance will be reported daily to the student's home High School by the SASI. The SASI will report grades to the student's home High School on the schedule required of all teachers and the grades for AFJROTC will appear on report cards, along with all other grades.

All students are invited and encouraged to participate in all AFJROTC activities. Once a month we make a trip to the Missouri Veterans Home which can be counted toward your community service hours. We have drill and color guard team competitions with other area high schools. We do Color Guard for sporting events, parades, Cancer Walks, pep assemblies and many other requested performances.



NOTES:

1. AS-100 is open to all high school students (9th, 10th, 11th and 12th graders).
2. AS-100 is the prerequisite course for all the other courses (AS-200/300/400).
3. AS-200 and AS-300 are offered every other year; so, students may progress as follows:
1) AS-100 to AS-200 to AS-300, or
2) AS-100 to AS-300 to AS-200.
4. AS-400 is for seniors only who have completed two other AS courses and requires Senior Aerospace Science Instructor (SASI) approval to enroll.
5. With SASI approval, seniors may enroll in AS-200 and AS-400 or AS-300 and AS-400 concurrently in order to complete three years of AFJROTC in two years.

VOCATIONAL SCHOOL COURSE DESCRIPTIONS – Warrensburg Area Career Center

Entry into Warrensburg Area Career Center (WACC) program is not automatic; placement is based upon a mutual agreement between WACC, the Knob Noster High School administration and the student. The WACC option is open to juniors and seniors only. A student's academic progress, attendance, and behavior are all considered

when selecting students for enrollment at WACC. Students must arrange transportation home from KNHS on Wednesday afternoons.

0910 Agriculture Education (3 units) The vocational agriculture program emphasizes developing knowledge, understanding, and skills in agri-business, agriculture production, agricultural mechanics, conservation, and horticulture. Occupational experience is obtained on the farm, in a non-farm agricultural business, in the school's greenhouse, construction laboratory and land laboratories.

0911 Computer Repair & Networking (3 units) A typical student will have CompTIA A+ certification knowledge during their first year. This certification is an international industry credential that validates the knowledge of networking professionals with at least nine months of experience in network support or administration or adequate academic training. Earning this certification demonstrates that a candidate can describe the features and functions of networking components, and possesses the knowledge and skills needed to install, configure and troubleshoot basic networking hardware, protocols, and services. Comp TIA Network + certification is proof of professional achievement, providing: a viable career path; enhanced job opportunities; proof of professional achievement; and foundational knowledge for advanced certification.

0912 Automotive Collision Technology (3 units each) Auto Body students will learn to examine, estimate, and repair damaged automobile and truck bodies, align and re-form, fill and shape, smooth, prime and repaint auto body damage and replace panels, fenders, trim and glass. Other skills to be learned will include: use of Mig welders, plastic welders, electric and air grinders and sanders, suction feed paint spray guns, use of body fillers, masking and paint mixture, estimating and billing, shop safety, and paint booth operation and safety.

0913 Automotive Service Technology (3 units each) This course includes an introduction to automobile engine and chassis design, fuel systems, engine lubrication, automotive electricity, clutch, brake, transmission, and wheel suspension systems. Students will learn by studying theory and by actual hands-on experience in the above-mentioned areas. Also, students learn the proper use, care, and cleaning of tools, equipment, and the shop. During the second year auto mechanic students expand upon skills and fundamentals learned in Auto Mechanics I.

0914 Construction Technology (3 units each) Students receive training in rough framing, finishing work, drywall application, concrete finishing, painting, ceramic tiles, plumbing, and electrical wiring. Students also receive related information needed in the above training by actually building a residential home.

0915 Health Sciences (3 units each) The first few months are spent in the classroom and laboratory, where the student develops fundamental concepts of anatomy and physiology, medical terminology, personal health and hygiene skills, mental health, pre-employment preparation, field trips, and visits with health care professionals. Students practice skills in the lab such as monitoring blood pressure, temperature, pulse and respiration, sterile technique, isolation procedures, assessment development, and other basic health care skills. The second half of the year, students select health care careers in the areas of their interest-- such as radiology, veterinary medicine, child care, dental offices, laboratory, etc.--and work with health care professionals in area clinical facilities. Students are given the option of being certified in Cardiopulmonary Resuscitation, Red Cross First Aid, and Nursing Assistant in long-term care facilities.

INDEPENDENT STUDY

Purpose -The primary purpose of the Independent Study Program is to provide students with an opportunity to develop and expand their own unique talents and interests to the highest degree, and to promote the idea of students being more responsible in the teaching/learning process.

Only students who have mastered essential skills and knowledge in a particular subject area and earned a B cumulative grade average will be considered as candidates for the program. All projects will be student initiated. Generally, only seniors will be granted permission to enroll in an Independent Study course. However, there are instances where an Independent Study course will be initiated due to a transfer student needing a specific course to meet minimum graduation requirements.

It is acceptable for a student to be placed under supervision of an Independent Study instructor during the academic school day but not during the instructor's plan time.

A student may only enroll in a maximum of one (1) Independent Study course per semester.

Student Responsibilities - Students will:

- ✓ Originate the basic idea for a project or study.
- ✓ Select and approach an instructor to assist with the independent study
- ✓ Develop and refine, with the instructor's assistance, the study methodology, objectives, and procedures.
- ✓ Agree to meet with the instructor on a regular basis during extra class hours. In addition, the student is to maintain a log of the extra time spent in contact with the instructor (not less than one hour per week.)
- ✓ Prepare a typed outline of the intended course of study to be submitted to the principal (to be done a minimum of 30 days prior to the end of the current semester unless special circumstances are approved by the principal). Upon receipt and review of the intended course of study, the principal will confer with the student and instructor before determining the feasibility and potential credit to be awarded (not to exceed one unit).
- ✓ Complete all objectives on the time schedule specified in the prospectus. Schedule changes require both the instructor and principal's approval.
- ✓ Purchase any material or supplies necessary for the study above the base maximum amount allowed by the school-- (\$100.00).

If a student does not submit an outline for intended course of study at least 30 days prior to the end of the school year, enrollment in the course will be cancelled and another course will be assigned by the counselor.

Instructor Responsibilities - Instructors will assist the student in developing a course of study.

The course of study must include:

- ✓ A detailed and approved curriculum for the required Independent Study project
- ✓ Objectives (stated in performance and measurable terms).
- ✓ Measurable Performance Standards
- ✓ A time line for completion of objectives, performance standards, and projects
- ✓ A description of procedure to be followed
- ✓ A method of evaluating the project must be specified

Grading - Independent study courses will not count toward grade point average and will not be weighted.

Final Approval: At the conclusion of the semester, the student shall present to the principal or their designee a complete portfolio that indicates completion of the predetermined course of study along with artifacts of the students work. At this time, the decision will be made as to whether the conditions set forth for the course were followed. If in the judgment of the principal or their designee it is determined all pre-established criteria were followed – credit will be awarded. No grade or credit will be assigned at semester until portfolio of student work

is submitted. If in the judgment of the principal or their designee it is determined all pre-established criteria were not followed, no credit will be awarded and the student will be reassigned to a regular course. A student denied credit may appeal the decision in writing to the Assistant Superintendent of Schools within five (5) school days.

GRIEVANCE PROCEDURES

Grievance policies and procedures relative to Title IX policy for students claiming discrimination on the basis of race, sex, color, creed, or national ancestry.

(1) Informal Procedures

(a) Verbal communications of alleged discrimination or grievances shall be made directly to the teacher or other school employee involved.

(b) Unresolved complaints shall be taken immediately to the building administrator.

(c) Complaints not resolved satisfactorily by the teacher and/or principal shall be reported immediately by the principal to the administrative assistants in charge of Title IX grievance procedures.

(d) Students may arrange an appointment and meet with the administrative assistants to present their alleged discrimination charges or grievances.

(e) If complaints are not resolved with the student, a meeting with the student accompanied by parents or guardians and the administrators in charge of grievances may be held.

(2) Formal Procedures

Complaints not resolved in the informal steps may be presented as formal charges. See Board Policy Manual for procedures.

KNOB NOSTER R-VII SCHOOL DISTRICTSPECIAL EDUCATION PROGRAMS AND SERVICES

All public schools are required to provide a free and appropriate public education to all students, including those attending private/parochial schools, beginning on the child's third birthday through age twenty (20), regardless of the child's disability. Disabilities include: learning disabilities, mental retardation, speech disorders (voice, fluency, or articulation), behavior disorders/emotional disturbance, language disorders, visually impaired, hearing impaired, physically/other health impaired, multi-handicapped, deaf/blind, autism, early childhood special education, and traumatic brain injury.

All public schools are required to provide parents the right to inspect and review personally identifiable information collected and used or maintained by the District relating to their children. Parents have the right to request amendment of these records if they feel the information is inaccurate, misleading, or violates the privacy or other rights of their children. Parents have the right to file complaints with the U.S. Department of Education or the State Department of Education concerning alleged failures by the District to meet the requirements of the Family Educational Rights and Privacy Act (FERPA).

The District has developed a Local Compliance Plan for implementation of Special Education and this Plan is available for public review during regular school hours on days school is in session in the Office of the Director of Special Programs.

Public schools in the State of Missouri are required to conduct an annual census of all children with disabilities or suspected disabilities from birth through age twenty (20) who reside in the District or whose parent/legal guardian resides in the District. This Census is compiled as of May 1 each year. This information is treated as confidential and submitted to the Missouri Department of Elementary and Secondary Education. Information to be collected includes: name of each child, parent/legal guardian's name/address, birth date and age of each child, and each child's disability or suspected disability. Should the District fail to submit an annual census, the State

Board of Education may withhold state aid until the census is submitted. If you have a child with a disability or know of a child with a disability who is not attending public school, please contact Terri Combs, Director of Special Programs and Knob Noster R-VIII District at 563-5597.

EDUCATION AND CAREER PLANNING

Career exploration will help you learn more about yourself, research and evaluate your options, set goals, and make plans to assure your success after high school. Whether you want to go to college, get a job, or follow some other pathway, your journey will be more rewarding if you plan. Counselors will help you think about what you want from high school and take concrete steps to achieve your goals and reach your dreams.

The first step in career planning is to identify your interests and match them with a wide variety of careers. This does not tell you what you should be, but organizes your interests in six broad categories of work called “Career Paths.”

What Are Career Paths? Career paths are clusters of occupations/careers that are grouped because many of the people in them share similar interests and strengths. All paths include a variety of occupations that require different levels of education and training. Selecting a career path provides you with an area of FOCUS, along with FLEXIBILITY and a VARIETY of ideas to pursue.

How Can Career Paths Help Me?

Deciding on a career path can help you prepare for your future. The intent is not for you to decide on a specific occupation for the rest of your life, but to select a career path into which you can begin directing your energies. Identifying a career path can help you in selecting school courses, activities, and part-time employment to help you to reach your goals.

HOW DO I DECIDE WHICH CAREER PATH BEST SUITS ME?

A counselor will help you consider the possible careers in each path in relationship to your interests, abilities, and talents. Then you can select courses that are related to your Career Path and begin planning your future. To help in selecting a Career Path, use the website www.missouriconnections.org. See a counselor for your user id and password.

Missouri Career Pathways

National Career Clusters

<p>A ARTS & COMMUNICATION Careers in this path are related to the humanities and the performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.</p>	<p>A ARTS, MEDIA TECHNOLOGY & COMMUNICATION</p>
<p>B BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY Careers in this path are related to all aspects of business including accounting, business administration, and finance; information processing, economics, management, marketing and entrepreneurship. It also includes human resources, sales, landscape and hospitality management.</p>	<p>B BUSINESS, MANAGEMENT & ADMINISTRATION F FINANCE H HOSPITALITY & TOURISM I INFORMATION TECHNOLOGY M MARKETING, SALES & SERVICE</p>
<p>E ENGINEERING/MANUFACTURING & INDUSTRIAL TECHNOLOGY</p>	<p>C ARCHITECTURE & CONSTRUCTION</p>

<p>Careers in this path are related to technologies necessary to design, develop, install or maintain physical systems. It includes engineering, manufacturing, and construction. Working with tools, equipment, and other kinds of machinery is important to people who select careers related to this pathway.</p>	<p>M MANUFACTURING S SCIENCE, TECHNOLOGY ENGINEERING & MATHEMATICS T TRANSPORTATION, DISTRIBUTION & LOGISTICS</p>
<p>H HEALTH SCIENCE Careers in this path are related to the promotion of health and the treatment of disease. These include research, prevention, treatment, and related health technologies.</p>	<p>H HEALTH SCIENCE</p>
<p>S HUMAN SERVICE Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.</p>	<p>E EDUCATION & TRAINING H HUMAN SERVICE L LAW, PUBLIC SAFETY & SECURITY G GOVERNMENT & PUBLIC SERVICE</p>
<p>N NATURAL RESOURCES & AGRISCIENCE Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.</p>	<p>A AGRICULTURE, FOOD & NATURAL RESOURCES</p>

FOREIGN EXCHANGE STUDENTS

Foreign exchange students add to the richness of the high school setting for both the District and the foreign exchange students. Therefore, the District will accept a maximum of two foreign exchange students on a first-come, first-served basis. The District, however, reserves the right to refuse any foreign exchange student prior to enrollment.

Arrangements for foreign exchange students must be approved in advance by both the principal and the superintendent. Approval must be given no later than the second week of May the preceding school-year that the foreign exchange student wishes to attend.

The student must be a participant of an "official Foreign Exchange Program" as defined in the publication from the National Association of Secondary School Principals, entitled, "Advisory List of International Educational Travel and Exchange Programs."

To protect the interests of the District and the students, the District has adopted the following guidelines:

1. The foreign exchange student must be eighteen (18) years of age or younger at the time of enrollment.
2. The foreign exchange student must reside with a legal resident of the District.
3. The foreign exchange student must have sufficient knowledge of the English language to enable effective communication and to use instructional materials and textbooks printed in English. English proficiency must be verified through scores on a standardized English proficiency test such as the TOEFL (Test of

English as a Foreign Language).

4. The foreign exchange student will be expected to meet all appropriate standards required of any student enrolled in the District. Foreign exchange students may participate in ceremonies and receive a certificate of attendance.
5. Orientation must be provided by the exchange organization, both pre-departure and upon arrival in the United States, to the exchange student.
6. The District must be provided written information which includes at least name, address, and phone number of both local and area coordinators for the exchange organization and a twenty-four-hour emergency telephone number for immediate assistance by the exchange organization.
7. The sponsoring foreign exchange organization must assume the final responsibility of resolving problems, including, if necessary, the changing of host families or the early return of the exchange student because of personal, family, or school difficulties.
8. Foreign exchange students must maintain passing grades in all classes, follow rules and regulations of District student policies, and show satisfactory discipline and attendance. Failure to comply with these expectations may result in dismissal of the student from the District.

