

CONNER HIGH SCHOOL

COURSE DESCRIPTION BOOK 2020-2021



INTEGRITY PRIDE HONOR
Est. 1970

Mission Statement

The mission of Conner High School is to assist students in the transition from adolescence to adult life. Providing a rigorous program of study will prepare all students for post-secondary options. Encouraging diversity of thought and skills development facilitates students to become life-long learners. We are steadfast in our dedication to building strong relationships with students, parents, community, and faculty to make education relevant to students' personalized needs.

Table of Contents

[INTRODUCTION](#)

[MINIMUM HIGH SCHOOL GRADUATION REQUIREMENTS and PRE-COLLEGE CURRICULUM](#)

[KENTUCKY MINIMUM REQUIREMENTS](#)

[CLASSES OF 2021 AND 2022](#)

[CLASS OF 2023](#)

[CLASS OF 2024](#)

[MASTER COURSE LISTING](#)

[CAREER AND TECHNICAL EDUCATION](#)

[FINE ARTS](#)

[HEALTH AND PHYSICAL EDUCATION](#)

[LANGUAGE ARTS](#)

[MATHEMATICS](#)

[SCIENCE](#)

[SOCIAL STUDIES](#)

[WORLD LANGUAGE](#)

[BOONE COUNTY AREA TECHNOLOGY CENTER](#)

[ADVANCED PLACEMENT AND DUAL CREDIT OFFERINGS](#)

[TRANSITION READINESS](#)

[GET THE MOST FROM YOUR SCHEDULE](#)

INTRODUCTION

This handbook contains information to help students plan an appropriate course of study. Students are encouraged to seek additional information from individual teachers concerning courses. Individual planning is necessary since needs and interests vary. Final course selection is the responsibility of each student. Parental approval is requested. Teachers, counselors and administrators are willing to help you.

NONDISCRIMINATION POLICY

All programs of study and all individual course offerings are equally available and open to students regardless of their race, color, creed, sex, or natural origin.

FEES

A number of years ago the state legislature cut the educational budget. Funds that were to be used for supplies and materials were greatly reduced. Rather than letting the quality of education deteriorate, the Boone County Board of Education approved a plan that allows the schools to collect class fees. The budget cuts have never been restored by the state. Every year the policy on fees is reviewed and changes may or may not be made. Fees for the 2019 – 2020 school year will be a \$35.00 general fee and a \$ 15.00 technology fee (subject to change by the Board of Education). There are a few classes where an additional fee is collected.

BOOK RENTALS

The state legislature in the past has provided money to schools in order to buy class textbooks. They stopped providing this money a number of years ago. The books that were provided free to students are now purchased by the district. Rather than have students buy their textbooks, the state has passed legislation that allows students to rent these textbooks. The maximum fee is \$8.00 per class per year.

Any course offered at Conner High School may be canceled due to staffing conflicts or limited equipment. Any fees are subject to change with board approval.

INDIVIDUAL LEARNING PLAN

Kentucky's minimum high school graduation requirements include the expectation that all students will develop and follow an Individual Learning Plan (ILP) which emphasizes career development. Students will be encouraged to plan a sequence of academic and technical courses that will provide them with an opportunity to develop academic and technical skills based on their career goals. Students will begin to develop their ILPs in the 6th grade and implement and revise it throughout high school.

DUAL CREDIT PROGRAMS/UNIVERSITY ARTICULATION AGREEMENTS

Conner High School currently offers the ability to take Dual Credit courses with a variety of college institutions. Students who are eligible to participate in these on-campus and off-campus courses could potentially earn both high school and college credits simultaneously. All Dual Credit courses are weighted on a 1.04 index. Students at Conner High School currently have the ability to take coursework through the following programs:

Northern Kentucky University -- School-Based Scholars Program

Gateway CTC – Gateway Regional Academy (GRA) and Early College Program through Boone County Schools

Thomas More College – Gemini Program

Murray State University – Racer Academy of Agriculture

Kentucky State University- College Algebra

Non Dual-Credit programs are also available through the **Northern Kentucky Home Builders Association**. Each program has different admissions standards and different requirements in order to be eligible to attend. Students interested in any of these programs can find out more information from their assigned Counselor, Career Coach or Assistant Principal.

REQUIREMENTS FOR GRADE LEVEL PLACEMENT

Prior to August 1st of the upcoming school year in order to be considered:

Sophomore	7 credits [earned at the high school]
Junior	14 credits [earned at the high school]
Senior	22 credits [earned at the high school]

GRADING SCALE

<i>Grading Scale and Unweighted GPA</i>		<i>Weighted GPA Scale</i>			
			Regular	Honors	AP/Dual Credit
A	90-100 (4.0)	A	4.0	4.5	5.0
B	80-89 (3.0)	B	3.0	3.5	4.0
C	70-79 (2.0)	C	2.0	2.5	3.0
F	0-69 (0.0)	F	0.0	0.5	1.0

Kentucky Minimum Graduation Requirements:

*** Updated July 2020:

https://education.ky.gov/curriculum/hsgradreq/Documents/New_Graduation_Requirements.pdf

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KENTUCKY DEPARTMENT OF EDUCATION: NEW MINIMUM GRADUATION REQUIREMENTS

	<u>4 ENGLISH CREDITS</u>	<u>4 MATH CREDITS</u>	<u>3 SOCIAL STUDIES CREDITS</u>	<u>3 SCIENCE CREDITS</u>	<u>OTHER CREDITS</u>
FOUNDATIONAL	English I English II	Algebra I Geometry	Social Studies Social Studies	Lab-based Science Lab-based Science	1/2 Health; 1/2 PE Visual/Performing Arts
PERSONALIZED	Additional English aligned with ILP Additional English aligned with ILP	Additional Math aligned with ILP Additional Math aligned with ILP	Social Studies aligned with ILP	Science aligned with ILP	6 credits aligned with ILP
	Additional course options could include, but are not limited to: English III, English IV, AP Language, AP Literature, dual credit English, etc.	Additional course options could include, but are not limited to: Algebra II, Precalculus, College Algebra, AP Calculus, dual credit math, dual credit CTE math, etc.	Additional course options could include, but are not limited to: Government (or AP), U.S. History (or AP), World Civilizations/History (or AP), dual credit social studies, etc.	Additional course options could include, but are not limited to: Chemistry (or AP), Physics (or AP), Biology (or AP), CSI Forensics, dual credit science, etc.	Additional course options could include, but are not limited to: Chorus I, Orchestra I, Visual Arts I, Theatre I, Band I, etc.

GRADUATION QUALIFIERS FOR STUDENTS ENTERING HIGH SCHOOL IN 2019-2020 (COMPLETE ONE):

Precollege curriculum as established by the Council on Postsecondary Education in 13 KAR 2:020	Benchmark score in one section of a college admissions or placement examination as established by the Council on Postsecondary Education in 13 KAR 2:020	Three postsecondary credit hours or more of a Kentucky Department of Education-approved dual credit course with a grade of C or higher	One course and corresponding assessment meeting the following criteria: Advanced placement (AP) with a score of three or higher; or Cambridge Advanced International (CAI) with a score at or above benchmark; or International Baccalaureate (IB) with a score of five or higher	Industry certification as approved by the Kentucky Workforce Innovation Board	Four credits from valid courses within a single KDE-approved career pathway	Two years of a KDE-approved or Kentucky Labor Cabinet-approved pre-apprenticeship or apprenticeship	A KDE-approved process to verify 500 hours of exceptional work experience, or alternative requirements as prescribed in a student's IEP
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GRADUATION PREREQUISITES FOR STUDENTS ENTERING HIGH SCHOOL IN 2020-2021 (MEET ONE OR A COMBINATION OF THE FOLLOWING TO DEMONSTRATE BASIC COMPETENCE IN READING AND MATH):

The student's **10th-grade** state-required assessments in reading and mathematics meet the minimum criteria. The minimum criteria shall include **scoring, at least, as an Apprentice in reading and mathematics** in the state-required assessments approved by the Kentucky Board of Education. Students who do not meet the minimum criteria on one or both assessments may retake the reading and/or mathematics assessments twice annually in the 11th and 12th grades of high school enrollment.

Score Proficient or higher for reading or mathematics or both reading and mathematics, if applicable, on the student's **8th-grade** state-required assessment.

The principal may **submit a collection of the following student evidence** to the superintendent or designee for review and approval: the student's ILP that includes student transcript; if applicable, for students with IEPs, evidence that the student has achieved progress on measurable annual IEP goals as determined by the Admissions and Release Committee; performance on the 10th-grade state-required assessments in reading or mathematics; and appropriate interventions, targeted to the student's needs, provided to the student to ensure support was offered and accessible in order for the student to meet the requirements outlined in this administrative regulation.

OTHER GRADUATION REQUIREMENTS:

- Pass state-mandated civics test
- Successfully complete a course or program in financial literacy
- Receive instruction in essential workplace skills
- Demonstrate competency in technology
- Completion of annual ILP (6th to 12th grade)



MINIMUM GRADUATION REQUIREMENTS FRESHMAN CLASSES 2018-2019 THROUGH 2020-2021

YEAR	MINIMUM NUMBER OF CREDITS	ENGLISH/ LANGUAGE ARTS	SOCIAL STUDIES	MATH	SCIENCE	OTHER CREDITS	GRADE 10 EXAMS	OTHER REQUIREMENTS
GRADE NINE STUDENTS ENTERING 2018-2019 SCHOOL YEAR	22 credits	Four credits: English I, II, III, and IV	Three credits	Three credits: Algebra I, Geometry, and Algebra II; A math course or equivalent will be taken each year of high school	Three credits	1/2 credit: Health 1/2 credit: Physical Education One credit: visual/performing arts	Counts only toward accountability spring of 2020	Civics test; demonstrated performance based competency in technology; seven elective credits
GRADE NINE STUDENTS ENTERING 2019-2020 SCHOOL YEAR	22 credits	Four credits: English I, II, and two other personalized credits covering the standards	Three credits	Four credits: Algebra I, Geometry, and two other personalized credits covering the standards	Three credits	1/2 credit: Health 1/2 credit: Physical Education One credit: visual/performing arts	Counts only toward accountability spring of 2021	Civics test; Complete at least one graduation qualifier listed in 704 KAR 3:305; demonstrated performance based competency in technology; six elective credits
GRADE NINE STUDENTS ENTERING 2020-2021 SCHOOL YEAR	22 credits	Four credits: English I, II, and two other personalized credits covering the standards	Three credits	Four credits: Algebra I, Geometry, and two other personalized credits covering the standards	Three credits	1/2 credit: Health 1/2 credit: Physical Education One credit: visual/performing arts	For graduation and accountability spring of 2022 (This is only one option for demonstrating the prerequisites)	Civics test; Financial literacy standards program or course; Complete at least one graduation qualifier and meet at least one graduation prerequisite listed in 704 KAR 3:305; demonstrated performance based competency in technology; six elective credits

All required courses must be aligned to the Kentucky Academic Standards. These are state minimum standards. Standards may vary by district.



GRADUATION REQUIREMENTS

CLASSES OF 2021 AND 2022

Conner High School Graduation Requirements (30 Credits for Graduation)			Pre-college Curriculum Requirements	
SUBJECT	CREDITS	COURSES	CREDITS	COURSES
Language Arts	4	English I, II, III, IV Language Arts must be taken each year of high school	4	Met by Conner High School Graduation Requirements
Social Studies	3	World Geography, World Civilization and US History	3	Met by Conner High School Graduation Requirements
Mathematics	4/5	Algebra I (2 credits), Geometry and Algebra II Mathematics shall be taken each year of high school.	3	Met by Conner High School Graduation Requirements
Science	3	Integrated science, Biology and Chemistry or Intro to Chemistry and Physics If the Integrated Science credit is not lab-based the student must take a lab-based elective. Students are strongly recommended to take a science course in each of their Freshman, Sophomore, and Junior year.	3	Met by Conner High School Graduation Requirements plus either Chemistry or Physics
Health/Physical Education	1	Integrated Health and Physical Education	1	Met by Conner High School Graduation Requirements
Visual and Performing Arts	0	Content incorporated into core curriculum	1	Met by Conner High School Graduation Requirements
World Language		Not Required	2	2 units of a single world language or demonstration of a world language proficiency
Electives	13/15	Academic and career interest standards-based learning experiences (to include four (4) standards-based learning experiences in an academic or career interest based on the student's Individual Learning Plan; and Demonstrated performance based competency in technology.)	7	At least 5 of the electives should be rigorous.
Technology	0	Demonstrated performance-based competency in technology	0	Same as Minimum High School Graduation Requirements
Total	30			

GRADUATION REQUIREMENTS

CLASS OF 2023

Conner High School Graduation Requirements (30 Credits for Graduation)			Pre-college Curriculum Requirements	
SUBJECT	CREDITS	COURSES	CREDITS	COURSES
Language Arts	4	English I, II, III, IV Language Arts must be taken each year of high school	4	Met by Conner High School Graduation Requirements
Social Studies	3	World Geography, World Civilization and US History	3	Met by Conner High School Graduation Requirements
Mathematics	4/5	Algebra I (2 credits), Geometry and Algebra II Mathematics shall be taken each year of high school.	3	Met by Conner High School Graduation Requirements
Science	3/4	Integrated Science, Biology and Chemistry or Intro to Chemistry and Physics If the Integrated Science credit is not lab-based the student must take a lab-based elective. Students are strongly recommended to take a science course in each of their Freshman, Sophomore, and Junior year.	3	Met by Conner High School Graduation Requirements plus either Chemistry or Physics
Health/Physical Education	1	Integrated Health and Physical Education	1	Met by Conner High School Graduation Requirements
Visual and Performing Arts	1	History and appreciation of visual and performing arts or a performing arts course which incorporates such content Eligible courses: History and Appreciation of Visual and Performing Arts, Visual Art, any Band or Choir course	1	Met by Conner High School Graduation Requirements
World Language		Not Required	2	2 units of a single world language or demonstration of a world language proficiency
Electives	12/14	Academic and career interest standards-based learning experiences (to include four (4) standards-based learning experiences in an academic or career interest based on the student's Individual Learning Plan; and Demonstrated performance based competency in technology.)	7	At least 5 of the electives should be rigorous.
Technology	0	Demonstrated performance-based competency in technology	0	Same as Minimum High School Graduation Requirements
Total	30			

See the list of [Graduation Qualifiers and Graduation Prerequisites](#) established by the state of Kentucky.

GRADUATION REQUIREMENTS

CLASS OF 2024

Conner High School Graduation Requirements (30 Credits for Graduation)			Pre-college Curriculum Requirements	
SUBJECT	CREDITS	COURSES	CREDITS	COURSES
Language Arts	4	English I, II, III, IV Language Arts must be taken each year of high school	4	Met by Conner High School Graduation Requirements
Social Studies	3	World Geography, World Civilization and US History	3	Met by Conner High School Graduation Requirements
Mathematics	4/5	Algebra I (2 credits), Geometry and Algebra II Mathematics shall be taken each year of high school.	3	Met by Conner High School Graduation Requirements
Science	3/4	Integrated Science, Biology and Chemistry or Intro to Chemistry and Physics If the Integrated Science credit is not lab-based the student must take a lab-based elective. Students are strongly recommended to take a science course in each of their Freshman, Sophomore, and Junior year.	3	Met by Conner High School Graduation Requirements plus either Chemistry or Physics
Health/Physical Education	1	Integrated Health and Physical Education	1	Met by Conner High School Graduation Requirements
Visual and Performing Arts	1	History and appreciation of visual and performing arts or a performing arts course which incorporates such content Eligible courses: History and Appreciation of Visual and Performing Arts, Visual Art, any Band or Choir course	1	Met by Conner High School Graduation Requirements
World Language		Not Required	2	2 units of a single world language or demonstration of a world language proficiency
Electives	12/14	Academic and career interest standards-based learning experiences (to include four (4) standards-based learning experiences in an academic or career interest based on the student's Individual Learning Plan; and Demonstrated performance based competency in technology.)	7	At least 5 of the electives should be rigorous.
Technology	0	Demonstrated performance-based competency in technology and receive instruction in financial literacy	0	Same as Minimum High School Graduation Requirements
Total	30			

See the list of [Graduation Qualifiers and Graduation Prerequisites](#) established by the state of Kentucky.

MASTER COURSE LISTING

\$ = fees P = Prerequisite * = selected students

CAREER & TECHNICAL EDUCATION

Engineering/Aeronautics & Aerospace

Aviation Science	210234	1 cr	P		10-12
Engineering Design	210222	1 cr	P		10-12
Fundamentals of Aviation Science	210233	1cr	P		9-10
Fundamentals of Engineering	210221	1 cr			9-10
Fund of Aerospace Eng.	210229	1 cr	P		10-12
Intro to Aerospace	210226	1cr			9-10
Intro to Space Sys Engineering I	210235	1cr	P		11-12
Space Sys Engineering	210236	1 cr	P		11-12
Sp Topics: Engineering	210290	1 cr	P		12

Agriculture

Agriscience	030711	1 cr	P		9-11
Equine Science	020510	1cr	P	\$	10-12
Floriculture - Floral Design	010621	1 cr	P	\$	9-12
Greenhouse Technology	010641	1 cr	P	\$	10-12
Landscaping & Turf Management	010631	1 cr	P	\$	10-12
Prin. of Ag Science & Tech	030715	1 cr		\$	9-10
Small Animal Tech	020503	1 cr	P	\$	10-12

Business - Marketing

Account. & Finance Foundations	060122	1 cr		\$	10-12
Business and Marketing Essentials	060111	1 cr			9-10
Digital Literacy	060112	1 cr			9-12
Entrepreneurship	080310	1 cr	P		11-12
Introduction to Management	060411	1 cr	P		11-12
Marketing Applications	080717	1 cr	P		9-12
Multimedia Publishing	060751	1 cr	P		10-12
Multimedia Advanced	060761	1 cr	P		10-12
Marketing Principles	080716	1 cr			9-10
Promotional Apps and Media	081512	1 cr	P		11-12
Sports & Event Marketing	081121	1 cr	P		11-12

Education and Training

The Learning Community	331030	1 cr			9-12
The Learner Centered Classroom	331031	1 cr			9-12
The Professional Educator	331032	1 cr	P		11-12
Collaborative Clinical Experience	331033	1 cr	P		12
Principles. Of CTE	331034	1 cr	P		10-12

Family & Consumer Science

Culinary Skills I	200499	1 cr	P	\$	10-12
Culinary II	200412	1 cr	P	\$	11-12
FACS Essentials	200113	1 cr		\$	9-10
Food and Nutrition	200441	1 cr	P	\$	9-10
Relationships	200171	1 cr	P		10-12

Computer - Information Technology

Computational Thinking	110251	1 cr			10-12
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Comp Hardware/Software Man.	110101	1 cr	P		10-12
Computer Science A AP	110701	1 cr	P		10-12
Computer Science Principles AP	110711	1 cr	P		10-12
Help Desk Operation	110102	1 cr	P		10-12
Intro to Networking Concepts	110901	1 cr	P		10-12
Internet Technologies	110917	1 cr	P		10-12
Security Fundamentals	110912	1 Cr	P		10-12
JAVA Programming I Honors	110205	1 cr	P		10-12
JAVA Programming II Honors	110206	1 cr	P		10-12
Management of Support Services	110302	1 cr	P		10-12
Visual Basic	110207	1 cr	P		11-12

Library Media I	903010	1 cr	P	*	11-12
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CTE Career Pathway Internship *	90999	1 cr	P	*	12
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FINE ARTS

Art

Drawing/Painting I	500712	1 cr	P	\$	10-11
Hist & App of Visual and Perf Arts	500111	1 cr			9-12
Photography I	500611	1 cr	P	\$	11-12
Sculpture I	500713	1 cr	P	\$	11-12
Studio Art 2D I AP	500722-1	1 cr	P	\$	11-12
Studio Art 2D II AP	500722-2	1 cr	P	\$	11-12
Studio Art 3D AP	500723	1 cr	P	\$	11-12
Studio Art 3D II AP	500761	1 cr	P	\$	11-12
Comprehensive Visual Art	500711	1 cr		\$	9-10
Visual Communication Design	500720	1 cr	P	\$	10-11

Band

Concert Band I	500914	1 cr	P	\$	9-12
Concert Band II	500915	1 cr	P	\$	9-12
Percussion Ensemble I	500921-2	1 cr	P	\$	9-12
Percussion Ensemble II	500921-3	1 cr	P	\$	9-12
String Orchestra I	500919-1	1 cr	P	\$	9-12
String Orchestra II	500919-2	1 cr	P	\$	9-12
Symphonic Band I	500917-1	1 cr	P	\$	9-12
Symphonic Band II	500917-2	1 cr	P	\$	9-12

Choir

Chamber Choir I	500925-1	1 cr	P		10-12
Chamber Choir II	500925-2	1 cr	P		10-12
Mixed Chorus I	500925-09	1 cr	P		9-12
Mixed Chorus II	500925-10	1 cr	P		9-12

Women's Choir I	500925-2	1 cr	P		10-12
Women's Choir II	500925-3	1 cr	P		10-12
AP Music Theory I	500929-1	1 cr	P		9-12
AP Music Theory II	500929-2	1 cr	P		9-12

HEALTH & PHYSICAL EDUCATION

Advanced Physical Education	340219-1	1 cr	P		10-12
CPR/First Aid	340137	1 cr			10-12
Heath II	340133-2	1 cr	P		10-12
Health and Physical Education I	340290	1 cr			9
Human Body System	340133	1 cr			9-12
Strength/Conditioning	340214-1	1 cr	P		11-12

LANGUAGE ARTS

College Writing Lab	230402	1 cr			11-12
Composition	230401	1 cr		*	10-11
Creative Writing	230511	1 cr			9-12
English I	230107	1 cr	P		9
English I Honors	230107-H	1 cr	P		9
English II	230110	1 cr			10
English II Honors	230110-H	1 cr	P		10
English III	230113	1 cr			11
English III Honors	230113-H	1 cr	P		11
English IV	230116	1 cr			12
English IV Honors	230116-H	1 cr	P		12
Foundations of Writing	230401	1 cr			9-12
Language and Composition I AP	230166	1 cr	P		11-12
Language and Composition II AP	230166-2	1 cr	P		11-12
Literary Film Studies I	230140	1 cr			9-10
Literary Film Studies II	230140-2	1 cr	P		11-12
Literary Magazine	239131	1 cr	P		9-12
Literature and Comp I AP	230167	1 cr	P		11-12
Literature and Composition II AP	230167-1	1 cr	P		11-12
Mythology	230140-3	1 cr	P		10-12
Poetry	230140-4	1 cr	P		9-12
Reading for College Success	231295	1 cr		*	10-12
Reading Eng/LA Intervention	231295-1	1c r		*	9
Speech and Drama	231099-1	1 cr	P	\$	9-12
Young Adult Literature	230140-4	1 cr			9-12

MATHEMATICS

Algebra I full year	270304	2 cr			9
Algebra I Accelerated	270304-A C	1 cr	P		9

Algebra II	270311	1 cr	P		9-12
Algebra II Honors	270311-H	1 cr	P		9-12
Algebra II Introduction	270310-1	1 cr	P	*	10-11
Calculus AB I AP	270513	1 cr	P		11-12
Calculus AB II AP	270513-2	1 cr	P		11-12
Calculus BC I AP	270514	1 cr	P		11-12
Calculus BC II AP	270514-2	1 cr	P		11-12
College Algebra	270320	1 cr	P	*	12
College Readiness Math	270718	1 cr		*	9-12
Geometry	270401	1 cr	P		9-12
Geometry Honors	270401-H	1 cr	P		9-10
Math for Business and Industry	080780	1 cr	P		12
Pre-Calculus I	270501	1 cr	P		10-12
Pre-Calculus II	270501-2	1 cr	P		10-12
Probability and Statistics	270602	1 cr	P		11-12
Probability and Statistics Honors	270602-H	1 cr	P		11-12
Statistics I AP	270604	1 cr	P		11-12
Statistics II AP	270604-2	1 cr	P		11-12
Technical Math	270643	1 cr	P		11-12
Transitions Math	270621	1 cr	P		12

SCIENCE

Anatomy Honors	302631	1 cr	P	\$	10-12
Astronomy	304612	1 cr	P	\$	10-12
Biology I	302601	1 cr		\$	10
Biology I Honors	302601-H	1 cr	P	\$	9-10
Biology I AP	302646	1 cr	P	\$	10-12
Biology II AP	302646-2	1 cr	P	\$	10-12
Botany	302612	1 cr		\$	9-11
Chemistry I	304521	1 cr	P	\$	10-11
Chemistry I Honors	30451-H	1 cr	P	\$	10-11
Chemistry I AP	304526	1 cr	P	\$	11-12
Chemistry II AP	304526-2	1 cr	P	\$	11-12
Ecology	302614	1cr	P	\$	10-12
Environmental Science - AP	304622	1 cr	P	\$	10-12
Forensic Science I	302616	1 cr		\$	9-10
Forensic Science II	302616-2	1 cr	P	\$	10-12
Genetics Honors	302661	1 cr	P	\$	11-12
Geology	304631	1 cr		\$	10-12
Integrated Science	303091	1 cr		\$	9
Integrated Science Honors	303091-H	1 cr	P	\$	9

Intro to Chemistry and Physics	304058	1 cr	P	\$	10-12
Microbiology	302613	1 cr		\$	10-12
Physics Honors	304821-H	1 cr	P	\$	10-12
Physics I Algebra Based AP	304828	1 cr	P	\$	11-12
Physics II Algebra Based AP	304829	1 cr	P	\$	11-12
Principles of Tech with Science	304698	1 cr	P	\$	9-12
Special Topics: Chemistry	304599	1 cr	P		11-12
Zoology	302615	1 cr	P	\$	11-12

SOCIAL STUDIES

American Government	451004	1 cr			9-12
Contemporary US His. 50's - 80's	450878	1 cr			9-12
European History I AP	450844	1 cr	P		10-12
European History II AP	450844-H	1 cr	P		10-12
Global Issues	451038	1 cr			9-12
Human Geography AP	450712	1 cr	P		9-12
Law and Justice	451039	1 cr			9-12
Physical Geography	450707	1 cr			9
Political Science	451029	1 cr			9-12
Psychology	459901	1 cr			9-12
Psychology AP	459902	1 cr	P		11-12
Sociology	451121	1 cr			10-12
US Government and Politics AP	451030	1 cr	P		12
U.S. History	450809	1 cr			11
U.S. History Honors	450809-H	1 cr			11
US History I AP	450814	1 cr	P		11-12
US History II AP	450814-H	1 cr	P		11-12
World History (Civilization)	450835	1 cr			10
World History (Civ) Honors	450835-H	1 cr	P		10

WORLD LANGUAGES

English as a Second Language I	160121	1 cr	P	*	9-12
English as a Second Language II	160122	1 cr	P	*	9-12
German I	160508	1 cr	P		9-12

German II	160509	1 cr	P		9-12
German III Honors	160510	1 cr	P		10-12
German IV Honors	160511	1 cr	P		10-12
German 101 NKU	002118	1 cr	P	\$	10-12
German 102 NKU		1 cr	P	\$	10-12
German V Honors	002300	1 cr	P		10-12
German VI Honors	160511	1 cr	P		10-12
Ger 201 Dual Enrollment NKU		1 cr	P	\$	10-12
Ger 202 Dual Enrollment NKU		1 cr	P	\$	10-12
German Technical Language	160520	1 cr			9-12
Latin I	160908	1 cr	P		9-12
Latin II	160909	1 cr	P		9-12
Latin III Honors	160910	1 cr	P		10-12
Latin IV Honors	160911	1 cr	P		10-12
Latin 101 Dual Enrollment NKU	160931	1 cr	P	\$	10-12
Latin 102 Dual Enrollment NKU	160912	1 cr	P	\$	10-12
Latin V Honors	000104	1 cr	P		10-12
Latin VI Honors	000105	1 cr	P		10-12
Latin 201 Dual Enrollment NKU	002195	1 cr	P	\$	10-12
Latin 202 Dual Enrollment NKU	002196	1 cr	P	\$	10-12
Spanish I	161108	1 cr	P		9-12
Spanish II	161109	1 cr	P		9-12
Spanish III	161110	1 cr	P		10-12
Spanish IV	161111	1 cr	P		10-12
Spanish Language & Culture I AP	161130	1 cr	P		10-12
Spanish Language & Culture II AP	161130-2	1 cr	P		10-12
Spanish Literature & Culture I AP	161131	1 cr	P		10-12
Spanish Literature & Culture II AP	161131-2	1 cr	P		10-12

CAREER AND TECHNICAL EDUCATION

Students earning 4 credits within a single pathway will meet one of the graduation qualifiers. To view pathways offered at CHS and the courses within them click [here](#).

ENGINEERING/AERONAUTICS AND AEROSPACE CAREER PATHWAY

AVIATION SCIENCE (AVIATION SCIENCE II)

Course # 210234

Credit: 1

Grade Level: 10-12

Prerequisite: Intro to Aerospace and Fundamentals of Aviation Science

This course prepares students for flight training and aircraft operations. Students will gain knowledge and skills in airport systems, air traffic control procedures, aviation weather, air navigation, radio communication procedures, and Federal Aviation Regulations (FAR's). Learning activities may include, but not limited to, operation of flight simulators and/or aircraft that will prepare them for the FAA Private Pilot Written Examination. This course covers the history of aviation law, federal regulation of air transportation and the role of state and federal government in aviation law, including functions of the Federal Aviation Administration. Students will become familiar with aircraft power plants, principles of flight, aircraft systems/instruments, and science of weather. All students completing this course are expected to take the FFA Private Pilot written exam.

ENGINEERING DESIGN (ENGINEERING II)

Course # 210222

Credit: 1

Grade Level: 10-12

Prerequisite: Fundamentals of Engineering

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

FUNDAMENTALS OF AVIATION SCIENCE (AVIATION SCIENCE I)

Course # 210233

Credit: 1

Grade Level: 9-10

Prerequisite: Intro to Aerospace

The course covers the history of fundamentals of aerospace including the development of the balloon (lighter than air vehicles), gliders, rockets, and heavier than air flight vehicles. Introduces students to the basic science of aerodynamics: including the development of aircraft from the Wright Brothers to the present day while exposing students to the various career opportunities in aerospace. This course prepares students for flight training and aircraft operations. Learning activities may include, but not limited to, operation of flight simulators and/or aircraft that will prepare them for the FAA private written examination. The expectation is that any student taking this course will also take Aviation Science II. Advanced Aviation Science, with the intent of completing the FAA Private Pilot written exam once BOTH courses are completed.

FUNDAMENTALS OF AEROSPACE ENGINEERING (FUNDAMENTALS OF AERONAUTICAL ENGINEERING)

Course # 210229

Credit: 1

Grade Level: 10-12

Prerequisite: Intro to Aerospace and Fundamentals of Aviation Science

The fundamental concepts, and approaches of aerospace engineering, are highlighted through lectures on aeronautics, astronautics, and design. Active learning aerospace modules make use of information technology. Project based program where students will design, build and test projects such as lighter-than-air (LTA) vehicle or various wing designs. The connections between theory and practice are realized in the design exercises. Required design reviews precede the LTA race competition. The performance, weight, and principal characteristics of the LTA vehicles or wing designs are estimated and illustrated using physics, mathematics, and chemistry. Emphasis being on the application of this knowledge to aerospace engineering and design through the use of computer aided software.

FUNDAMENTALS OF ENGINEERING (ENGINEERING I)

Course # 210221

Credit: 1

Grade Level: 9-10

This course applies the skills, concepts, and principles of engineering. Students explore various technological systems and engineering processes in related career fields. Topics include investigating technological system, design optimization, and problem solving. Students utilize CAD and physical and virtual modeling concepts to construct, test, collect, and report data.

INTRODUCTION TO AEROSPACE PREREQUISITE TO ALL OTHER AEROSPACE/ENGINEERING COURSES

Course # 210226

Credit: 1

Grade Level: 9-10

The course covers the exploration of aerospace including, flight/aeronautics, aircraft maintenance, aeronautical engineering, and space. Students will learn about the forces that affect controlled flight, investigate properties of lift, and explore flight through a flight simulator. Students will also learn about aerospace standard materials, aviation safety, aircraft and wing design, and elements of a space mission resource system. This course is the introductory course that leads to the Aerospace Career Pathways and it is the expectation that students taking this course will pursue one of the offered career pathways; Aeronautical and Flight, Aerospace Engineering or Space Systems Engineering.

INTRODUCTION TO SPACE SYSTEMS ENGINEERING

Course # 210235

Credit: 1

Grade Level: 11-12

Prerequisite: GPA 3.0, ACT Composite 18 with a Math sub score 24

The course introduces students to satellites and space systems: orbital mechanics; the space environment; satellite application; spacecraft design consideration; the roles universities, industry and government play in space exploration, and future technologies of spacecrafts and satellites.

SPACE SYSTEMS ENGINEERING

Course # 210236

Credit: 1

Grade Level: 11-12

Prerequisite: successful completion of Intro to Space Systems Engineering I; GPA 3.0, ACT Composite 18 with a Math sub score 24

The course is a continuation to the study of Satellites and Space systems I, including satellite subsystems (telecommunication systems, power systems, attitude determination and control, and payloads), spacecraft structures, sensors, thermal considerations, manufacturing processes, pre-flight, launch integration, and ground segment.

SPECIAL TOPICS IN ENGINEERING

Course # 210290

Credit: 1

Grade Level: 12

Prerequisite: Approval of instructor

Special Technology topics allows the teacher to develop a course for in-depth exploration of technological topics. This is a laboratory-based course designed to study a technological system or topic, and/or a recent technological advancement. This study should include how this advancement affects society and/or the environment. A culminating project integrating one or more of the seven contexts of technological literacy and the Kentucky Core Content is encouraged. It should include research, design, construction, analysis, writing, and presenting. Instruction should be enriched through participation in Kentucky Technology Student Association.

AGRICULTURE EDUCATION CAREER PATHWAY

AGRISCIENCE

Course # 030711

Credit: 1

Grade Level: 9-11

Prerequisite: Student must Take and pass Principles of Agriculture

A course that describes the science of the Agricultural food, fiber, and natural resources industries.

EQUINE SCIENCE

Course # 020510

Credit: 1

Grade Level: 9 - 12

Fee: \$10.00 Agriculture Fee

Prerequisite: Student must take and pass Principles of Agriculture

Equine Science develops knowledge and skill pertaining to breed identification and selection, anatomy, physiology, nutrition, genetics and reproductive management, training principles, grooming, health disease, parasite control, and sanitation practices. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have an agricultural experience program.

FLORICULTURE & FLORAL DESIGN

Course # 010621

Credit: 1

Grade Level: 9 - 12

Fee: \$10.00 Agriculture Fee

A course that describes theories, principles and the science of floral production, design and distribution.

Prerequisite: Student must take and pass Principles of Agriculture

GREENHOUSE TECHNOLOGY

Course # 010641

Credit: 1

Grade Level: 10 - 12

Fee: \$10.00 Agriculture Fee

Prerequisite: Principles of Agricultural Science & Tech and teacher approval via application process

Greenhouse Technology provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products may be included. Content may be enhanced with appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

LANDSCAPING & TURF MANAGEMENT

Course # 010631

Credit: 1

Grade Level: 10 - 12

Fee: \$ 10.00 Agriculture Fee

Prerequisite: Student must take and pass Principles of Agriculture

Flowers and winter plant characteristics become the colors on the artist palate as students learn to design and draw landscape plans. Walks for plant ID and spring attractions help to put ideas together for students' designs. Plant Characteristics are stressed for proper placement in the landscape plan. Site evaluation, calculations of material lift offs, cost bidding and installation of plans. Leadership and record keeping will be stressed.

PRINCIPLES OF AGRICULTURAL SCIENCE & TECHNOLOGY

Course # 030715

Credit: 1

Grade Level: 9-10

Fee: \$10.00 Agriculture Fee

This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Leadership development will be provided through FFA. Students will receive personal guidance and counseling with preparatory instructional program selection.

SMALL ANIMAL TECHNOLOGY

Course # 020503

Credit: 1

Grade Level: 10-12

Fee: \$10.00 Agriculture Fee

Prerequisite: Student must Take and pass Principles of Agriculture

This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy, physiology, nutrition, health, selection, and care of small animals. Species addressed typically include dogs, cats, rabbits, companion birds, ostriches, emus, tropical fish, and fur bearers. Content will be enhanced with appropriate applied scientific laboratory activities. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

BUSINESS/MARKETING EDUCATION CAREER PATHWAY

Accounting & Finance Foundations

Course # 060122

Credit: 1

Grade Level: 10 – 12

Fee: \$30 workbook fee

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development will be provided through FBLA.

Business and Marketing Essentials

Course # 060111

Credit: 1

Grade Level: 9-10

This course establishes basic foundations for further study in business and marketing courses and provides essential information for making financial and economic decisions. Students learn about the fundamentals of the American free enterprise system and world economies; application of sound money management for personal and family finances; credit management; consumer rights and responsibilities; forms of business ownership; risk and insurance; and the importance of international trade. Leadership development will be provided through FBLA and/or DECA.

Digital Literacy

Course # 060112

Credit: 1

Grade Level: 9 – 12

Students will use a computer and application software including word processing, presentations, database, spreadsheets, internet, and email to prepare documents and reports.

Entrepreneurship

Course # 080310

Credit: 1

Grade Level: 11-12

Perquisite: Principles of Marketing

This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, operations, promotion, and selling. The culminating project of the course is to develop a comprehensive business plan. Cooperative education or shadowing experiences may be used to enhance course instruction. Leadership development can be provided through FBLA.

Introduction to Management (Business Management)

Course # 060411

Credit: 1

Grade Level: 11 – 12

Prerequisite: Principles of Marketing OR Business Principles and Applications

This course emphasizes skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students are taught the need for effective planning, organizing, leading, and controlling by the successful owner/manager. Areas of study include: forms of business ownership; typical business; effective communications; human relations skills required in dealing with employees; effective management strategies used in personnel, finance, production, marketing, and information processing and additional education needs to pursue a professional management career. Verbal skills are a must. The course is designed as a college preparatory type class.

MARKETING APPLICATIONS (MARKETING ADVANCED)

Course # 080717

Credit: 1

Grade Level: 9–12

Prerequisite: Principles of Marketing

This course is designed to enhance marketing skills developed in the marketing prerequisite course and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employee/employer relations for a wide range of marketing careers. This course is based on the business and marketing core that includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management and financial analysis.

MARKETING PRINCIPLES (PRINCIPLES OF MARKETING)

Course # 080716

Credit: 1

Grade Level: 9 – 10

This course provides a basis foundation for further study in marketing. Students study the development of products and then explore what occurs in the marketplace by studying purchasing, pricing, and distribution functions. Decision-making and problem solving skills are involved in units of human relations, distribution systems, market information management, and product/service planning. The employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through FBLA.

MULTIMEDIA PUBLISHING

Course # 060751

Credit: 1

Grade Level: 10–12

Prerequisite: Introduction to Media and recommendation of Media teacher

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include, but are not limited to: tri-fold brochures, manuscripts, reports, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations, and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers, may be utilized in creating documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills.

This class now combines the production of the year book with the morning announcements, thus students will have an opportunity to produce a real world project. They will also learn to be a part of a news team responsible for production, on air and video editing.

MULTIMEDIA PUBLISHING ADVANCED

Course # 060761

Credit: 1

Grade Level: 10–12

Prerequisite: Multimedia Publishing and recommendation of Media teacher

This hands-on course applies advanced web design, publishing, and presentation concepts through the development of sophisticated documents and projects which includes, but is not limited to: web sites, web databases, web movies, video editing and production, and television productions. This course is designed around the learning goals of the instructor, utilizing hardware and software available.

Students will produce real life projects; outside work is required for events that occur outside normal school hour, because students will produce projects related to athletics, academics and school functions. Software components will be Adobe.

PROMOTIONAL APPLICATIONS & MEDIA

Course # 081512

Credit: 1

Grade Level: 11 - 12

Prerequisite: Multimedia Publishing Advanced and recommendation of Media teacher

This class will open opportunities for students in an entrepreneur setting. Activities in this class will include but not be limited to: projects related to our business community, school community and our non-profit community. This course is designed to provide students with hands-on applications, of running a school based industry simulated experience. Students will apply basic fundamentals of advertising using digital and print media. This course is based on the business and marketing core that includes communication skill, economics, financial analysis, product/service management and promotion. Outside work is required for events that occur outside normal school hours.

SPORTS AND EVENT MARKETING

Course # 081121

Credit: 1

Grade Levels: 11-12

Prerequisites: Student must take and pass Principles of Marketing and Advanced Marketing

This course is designed to develop a thorough understanding of the marketing concepts and theories that apply to sports and events. This course is based on the business and marketing core that includes communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, operations, strategic management, human resource management, and the economic impact and considerations involved in the sports and event marketing industries. Leadership development will be provided through DECA.

EDUCATION AND TRAINING PATHWAY

THE LEARNING COMMUNITY

Course # 331030

Credit: 1

Grade Level: 9-12

In this course students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspectives of classroom, school, district, state, and federal roles.

THE LEARNER-CENTERED CLASSROOM

Course # 331031

Credit: 1

Grade Level: 9-12

This course will develop rising educators' awareness of their funds of knowledge, as well as their personal biases that develop from their life experiences. Using research-based methods, rising educators will develop methods to impact student equity based on culturally competent models as well as growth mindset methods.

THE PROFESSIONAL EDUCATOR

Course # 331032

Credit: 1

Grade Level: 11-12

Prerequisite- Successful completion of The Learning Community and The Learner Centered Classroom

In this course students will develop an understanding of how educators advance their profession within the classroom. Specifically, students will gain both the knowledge and skills to plan, deliver, and reflect on the process of teaching and learning.

COLLABORATIVE CLINICAL EXPERIENCE

Course # 331033

Credit: 1

Grade Level: 12

Prerequisite- Successful completion of The Learning Community and The Learner Centered Classroom

In this course, Collaborative Clinical Experience, students will refine the required knowledge and skills to be an effective educator while also practicing the dispositions necessary for the educational profession. Specifically, students will gain an understanding of how teachers lead through individual and collaborative growth and reflection.

PRINCIPLES OF CAREER AND TECHNICAL EDUCATION

Course # 331034

Credit: 1

Grade Level: 10-12

Prerequisite- Successful completion Collaborative Clinical Experience

This course is designed to provide a general overview of career and technical education including program areas, components, philosophy and current trends and issues. Students will examine a variety of topics including: history of CTE, work based learning, career and technical student organizations, advisory councils, professional organizations as well as the influence of legislation on CTE.

FAMILY & CONSUMER SCIENCE EDUCATION CAREER PATHWAY

Culinary Skills I

Course # 200499

Credit: 1

Grade Level: 10 – 12

Prerequisite: Must have completed Foods & Nutrition, Foods & Nutrition Adv.

Fee: \$15 consumable fee

This course is designed to provide training for employment in hospitality services in the area of food service. Career decisions and demands on family life are explored as well as skills and concepts related to supportive services such as public relations, foods and beverage operations, management techniques, and entrepreneurship. Instruction will include on-the-job experiences.

Culinary II

Course # 200412

Credit: 1

Grade Level: 11-12

Prerequisite: Must have completed Culinary I & pre-approval by dept. chair.

Fee: \$15 consumable fee

In this course, students resume progress in pursuing competencies in food production and services. Orientation to the food service industry and development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work based learning opportunities. Leadership development will be provided through the Family, Career and Community Leaders of America.

FACS Essentials

Course # 200113

Credit: 1

Grade Level: 9 – 10

Fee: \$15 consumable fee

This is an introductory course covering the following topics; meal preparation and nutrition; home environment; child development; consumer education; family living; family health; careers; enabling skills and processes

Foods & Nutrition

Course # 200441

Credit: 1

Grade Level: 9 – 10

Prerequisite: Must have completed FACS Essentials

Fee: \$15 consumable fee

This course is designed to assist students in making critical decisions about food which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills, and careers in nutrition and food service.

Relationships

Course # 200171

Credit: 1

Grade Level: 10-12

Prerequisite: Must have completed FACS Essentials

This course includes topics such as peer relations; family relations; self-understanding; pre-marital concerns; parenthood; child abuse; divorce.

INFORMATION TECHNOLOGY EDUCATION CAREER PATHWAY

COMPUTATIONAL THINKING

Course # 110251

Credits: 1

Grade Level: 10 -12

Promotes understanding of computer programming and logic by teaching students to 'think like a computer'. Covers skills needed to develop and design language-independent solutions to solve computer related problems. Covers developmental and design basics including use of variables, control and data structures and principles of command-line and object-orientated languages.

COMPUTER HARDWARE AND SOFTWARE MAINTENANCE

Course # 110101

Credits: 1

Grade Level: 10-12

Prerequisite: Computer Literacy or Digital Literacy

Focuses on the design of computing systems, including instruction in the principles of computer hardware and software components, algorithms data basis, telecommunications, etc. Includes the knowledge to identify and explain PC components, setup a basic PC workstation, conduct basic software installation, identify compatibility issues and recognize/prevent basic security risks and also gives knowledge in the areas of Green IT and preventative maintenance of computers.

AP COMPUTER SCIENCE A

Course # 110701

Credit: 1 Indexed

Grade Level: 10-12

Prerequisite: Minimum of Algebra I with a "B" or better. Highly recommended student first take AP Computer Science Principles.

AP Computer Science is designed to teach students with an interest in computer programming how to use the Java programming language. During this course, students will learn about object-oriented programming, program implementation through classes, program analysis, data structures, algorithms, and ethical computing responsibility and use.

AP COMPUTER SCIENCE PRINCIPLES

Course # 110711

Credit: 1 Indexed

Grade Level: 10-12

Prerequisite: Minimum of Algebra I with a "B" or better.

Introduces students to the central ideas of computer science, inviting students to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life.

HELP DESK OPERATION

Course # 110102

Credits: 1

Grade Level: 10 -12

Prerequisite: Recommendation of computer science or technology teacher.

Students will learn networking concepts, computer support services; industry recognized certification training, advanced web design, and career exploration while organizing a student-run Technology Help Desk.

INTRODUCTION TO NETWORKING CONCEPTS

Course # 110901

Credits: 1

Grade Level: 10 -12

Prerequisite: Recommendation of computer science or technology teacher

Introduces technical level concepts of non-vendor specific networking including technologies, media, topologies, devices, management tools, and security. Provides the basics of how to manage, maintain, troubleshoot, install, operate, and configure basic network infrastructure.

INTERNET TECHNOLOGIES

Course # 110917

Credits: 1

Grade Level: 10 -12

Prerequisite: Recommendation of computer science or technology teacher

Provides students with a study of traditional and emerging Internet technologies. Covers topics including Internet fundamentals, Internet applications, Internet delivery systems, and Internet client/server computing. Provides a hands-on experience and some programming in an Internet environment.

JAVA PROGRAMMING I HONORS

[formerly called Computer Science – Intro]

Course # 110205

Credit: 1 Indexed

Grade Level: 10-12

Prerequisite: Minimum of Algebra I with a “B” or better.

This is an introductory course to object oriented programming in Java. Students learn to write, compile, test, and debug basic applets and applications that use a graphical user interface. **This course is a prerequisite to AP Computer Science.**

JAVA PROGRAMMING II HONORS

Course # 110206

Credit: 1 Indexed

Grade Level: 10-12

Prerequisite: B or higher in Java I

This course is a continuation of Java Programming I. Students learn input and output streams, networking, advanced graphical user interface features, and the benefits of object-oriented techniques such as encapsulation, inheritance, etc.

MANAGEMENT OF SUPPORT SERVICES [FORMERLY HELP DESK II]

Course # 110302

Credits: 1

Grade Level: 10 -12

Prerequisite: Recommendation of computer science or technology teacher.

Students will learn networking concepts, computer support services; industry recognized certification training, advanced web design, and career exploration while organizing a student-run Technology Help Desk.

SECURITY FUNDAMENTALS

Course # 110912

Credits: 1

Grade Level: 10-12

Prerequisite: Recommendation of computer science or technology teacher

Introduces basic computer and network security concepts and methodologies. Covers principles of security; compliance and operational security; threats and vulnerabilities; network security; application, data, and host security; access control and identity management; and cryptography. This course leads to the Security + Certification.

VISUAL BASIC

Course # 110207

Credit: 1

Grade Level: 11-12

Prerequisite: Computer Literacy or Digital Literacy

Introduces student to fundamental programming concepts using the Visual Basic programming language. Topics include data types, control structures, simple data structures, error-handling, modular programming, event-driven programming, graphical user interfaces and file processing.

LIBRARY MEDIA

Course # 903010

Credits: 1

Grade Level: 11 -12

Prerequisite: Recommendation of library media center facilitator

This hands-on course emphasized teaching students to become information literate and lifelong learners; working in collaborative partnerships to meet individual needs; and providing access to information resources and technology within the school.

Career Pathway Internship

Course # 060106

Credit: 1

Grade Level: 12

Prerequisite:

Students must obtain permission through application process, interview, and selection process.

Internship selections will be based on the students completion of a career pathway, see the listing of all available careers beginning on page 33.

Internships are designed to be a work-based learning experience involving students who have completed extensive school-based preparation relating to a **CAREER PATHWAY**. Internships are conducted under the supervision of a classroom teacher. Some internships simply involve observing professionals as they carry out their duties, while other internships are designed to be a “**capstone**” experience which allow students to apply hands-on activities that were taught in class. Business internships will be structured with a combination of classroom experience and field experience.

FINE ARTS

VISUAL ART

COMPREHENSIVE VISUAL ART (VISUAL ART)

[Introduction to Art]

Course # 500711

Credit: 1

Grade Level: 9 – 10

Prerequisite: None

Fee: \$15

Visual Arts is an introductory course designed to give students a well-rounded approach to art. Students will begin to understand how the Elements and Principles of Art are used to create a successful composition. Students will also explore a variety of materials. This course gives the students hands on approach to art allowing students to develop problem solving skills for real life scenarios.

DRAWING/PAINTING I

Course # 500712

Credit: 1

Grade Level: 10-11

Prerequisite: Successful completion of Visual Art with a minimum final grade of 80%.

Fee: \$15.00

This course will explore the media of pencil, charcoal, chalk pastel, oil pastel, pen and acrylic paint. Students will draw still life, landscape, portraits and figures and abstractions. Students will focus on drawing what they see, and will work from real objects and photographs.

HISTORY AND APPRECIATION OF VISUAL AND PERFORMING ARTS

Course # 500111

Credit: 1

Grade Level: 9-12

A study of the humanities through the arts [dance, drama, music and visual art]. Addresses the structures, humanities purposes, creative processes and interrelationships of the visual and performing arts.

PHOTOGRAPHY I

Course # 500611

Credit: 1

Grade Level: 11-12

Prerequisite: Successful completion of Visual Art with a minimum final grade of 80% and it is a requirement to have access to a digital camera.

Fee: \$15

Students will be taught the elements and principles of design through Photography. Students will learn the basics of Photoshop. During the week students are given mini assignments that will help them when they take photographs over the weekends. The majority of the exhibited artwork will be from outside of the classroom projects.

SCULPTURE I

Course # 500713

Credit: 1

Grade Level: 11 - 12

Prerequisite: Successful completion of Visual Art with a minimum final grade of 80%.

Fee: \$15

Sculpture I is a course where students begin to understand how to execute a 2 dimensional idea and create it into a 3 dimensional form. A variety of materials are used to help develop and allow students to explore the options of sculpture. Projects are open ended assignments that push self-exploration and problem solving skills. Students work in groups and individually.

STUDIO ART 2D I AND II AP

Course # 500722-1 and 500722-2

Credit: 1 per course

Grade Level: 11 – 12

Prerequisite: Successful completion of Visual Art with a minimum final grade of 80% AND successful completion of Drawing and Painting with a minimal final grade of 87%. Student must take both courses I & II.

Fee: \$15 per semester

This course is designed for the serious art student who intends on studying art in college. This course must be completed in one year and requires dedication to complete. Students will work one on one with instructor to create a cohesive 2- dimensional portfolio. Specialized 2 D areas include; drawing, painting, photography and graphic design. Students must complete a required portfolio to pass course. Note: Students must have designated visual art as an area of interest in their online Individual Learning Plan. AP portfolio required for class credit.

STUDIO ART 3D I AND II AP

Course # 500723 and 500761

Credit: 1 per course

Grade Level: 11 – 12

Prerequisite: Pre-approval by art teacher is MANDATORY. Student must take both courses I & II.

Fee: \$15 per semester

This course is designed for the serious art student who intends on studying art in college. This course must be completed in one year and requires dedication to complete. Students will work one on one with instructor to create a cohesive 2- dimensional portfolio. Specialized 3 D areas include ceramics and sculpture. Students must complete a required portfolio to pass course. Note: Students must have designated visual art as an area of interest in their online Individual Learning Plan.

VISUAL COMMUNICATION DESIGN (GRAPHIC DESIGN)

Course # 500720

Credit: 1

Grade Level: 10-11

Prerequisite: Successful completion of Visual Art with a minimum final grade of 80%.

Fee: \$15

Visual Communication Design courses emphasize the application of the elements of art and principles of design and provide study of their application in visual communications design problems through the purposeful arrangement of images, symbols, and text to communicate a message. These courses also include investigations of how use of the computer has influenced the creation of contemporary graphic and digital designs. Students analyze and use design principles in their visual communications design work and understand aesthetic issues of visual communications design. Students study visual communications designs from the history of art, contemporary visual communications design, and many world cultures. Students engage in critiques of their visual communications designs, the designs of other students, and designs by professionals. Visual Communication Design courses focus on the four artistic processes of creating, presenting, responding and connecting.

BAND

CONCERT BAND I AND II

Course # 500914 and 500915

Credit: 1 per course

Grade Level: 9-12

Prerequisite: Successful completion of a middle school program, ability to play a band instrument, read music, and/or audition. Concert Band and II must be taken consecutively in the same year.

Fee: There is a \$12 instrument rental fee per semester for use of school instruments.

This instrumental music course is designed to study, rehearse and perform the repertoire appropriate to the medium. The course teaches music through performance. The group performs several concerts, participates in festivals, school, and community functions. Attendance at all band functions is compulsory. Marching Band, Pep Band and Jazz Band are extra-curricular activities of the Symphonic Band. Participation in these extra-curricular groups is permitted for members of the Symphonic and Concert Bands, permission of the director, or by audition. Solo & Ensemble, All-State Band, Select Band, other honor bands, and private instruction are available as student interest warrants.

PERCUSSION ENSEMBLE I AND II

Course # 500921-2 and 500921-3

Credit: 1 per course

Grade Level: 9-12

Prerequisite: Successful completion of a middle school program, ability to play band percussion instruments, read music, and/or audition. This course is taken during the fall semester coupled with Symphonic Band II or Concert Band II in the Spring semester. Both Courses must be taken consecutively in the same year. Some students may remain in the percussion ensemble class during the spring semester depending on the instrumentation needs of the Concert and Symphonic Bands.

Fee: There is a \$12 instrument rental fee per semester for use of school instruments.

This instrumental music course is designed to study, rehearse and perform the repertoire appropriate to the medium. It performs in conjunction with the Symphonic and Concert Bands. The group performs several concerts, participates in band festivals, school and community functions. Attendance at all band functions is compulsory. Marching Band, Pep band and Jazz Band are extra-curricular activities of the Percussion Ensemble. Participation in extra-curricular groups is permitted for members of the Percussion ensemble, permission of the director, or by audition Solo & Ensemble, All-State Band, Select Band, and private instruction are available as student interest warrants.

STRING ORCHESTRA I AND II

Course # 500919-1 and 500919-2

Credit: 1 per course

Grade Level: 9-12

Prerequisite: Successful completion of a middle school program ability to play string orchestra instruments, read music and/or audition. Students must sign up for course String Orchestra and Sting Orchestra II consecutively in the same year.

Fee: There is a \$12 instrument rental fee per semester for use of school instruments.

This course is designed to study, rehearse and perform the repertoire appropriate to the medium. The group performs several concerts, participates in festivals, school and community functions. Attendance at all orchestra functions is compulsory.

SYMPHONIC BAND I AND II

Course # 500917-1 AND 500917-2

Credit: 1 per course

Grade Level: 9-12

Prerequisite: This is an auditioned ensemble. All members must pass an audition with the band director. Symphonic Band and Symphonic Band II must be taken consecutively in the same year.

Fee: There is a \$12 instrument rental fee per semester for use of school instruments.

This instrument course is designed to study, rehearse, and perform repertoire appropriate to the medium. The course teaches music through performance. The group performs several concerts, participates in band festivals, school and community functions. Attendance at all band functions is compulsory. Marching Band, Pep Band and Jazz band are extra-curricular activities of the Symphonic Band. Participation in these extra-curricular groups is permitted for members of the Symphonic and Concert Bands, permission of the director, or by audition. Solo and Ensemble, All-State Band, Select Band, other honor bands and private instruction are available as student interest warrants.

CHOIR

CHAMBER CHOIR I AND II

Course # 500925-1 & 500925-2

Credit: 1 per course

Grade Level: 10–12

Prerequisite: Membership is by audition only and focuses on musical ability and experience. Both courses must be taken consecutively in the same year Chamber Choir & II.

Chamber Choir is an elite choral group consisting of approximately thirty (30) members. Music Theory, Literature, History, Appreciation, and Vocal Production are taught at a more advanced level. Regular attendance and attendance at all performances are required to assure credit. Membership is by audition only and focuses on musical ability and experience. Written permission from the choir director is required to sign up for this class.

MIXED CHORUS I AND II

Course # 500925-09 and 500925-10

Credit: 1 per course

Grade Level: 9 - 12

Prerequisite: Both courses must be taken consecutively in the same year Mixed Chorus I & II

This course includes studying and performing music from the various periods. Performance on a high level of achievement is required. The fundamentals of music theory, history, and vocal production are taught in this class. Regular attendance is a must, and attendance at all performances is required to assure credit. No audition required.

MUSIC THEORY AP I AND II

Course # 500929-1 and 500929-2

Credit: 1 per course

Grade Level: 9 - 12

Prerequisite: Teacher approval; previous experience in music and/or private music lessons

The AP Music Theory course corresponds to two semesters of a typical introductory college music theory program that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills, including dictation and other listening skills, sight singing, and harmony, are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight singing. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized.

WOMEN'S CHOIR I AND II

Course # 500925-2 and 500925-3

Credit: 1 per course

Grade Level: 10–12

Prerequisite: Membership is by audition only and focuses on musical ability and experience. Both courses must be taken consecutively in the same year Women's Choir & II.

Women's Choir is an elite choral group consisting of approximately forty (40) members. Music Theory, Literature, History, Appreciation, and Vocal Production are taught. Regular attendance and attendance at all performances are required to assure credit. Membership is by audition only and focuses on musical ability and experience. Written permission from the choir director is required to sign up for this class

HEALTH AND PHYSICAL EDUCATION

ADVANCE PHYSICAL EDUCATION (PHYSICAL EDUCATION II)

Course # 340219-1

Credit: 1

Grade Level: 10-12

Prerequisite: Health/Physical Education.

This course is a progression of skill level instruction and competition in team sports as well as individual sports. The team sports may include flag football, soccer, speedball, basketball, volleyball, and softball. The individual sports may include tennis, paddleball, badminton, golf, track and field, aerobics, weight training, and conditioning.

CPR/FIRST AID

Course # 340137

Credit: 1

Grade Level: 10-12

This course will provide students with the opportunity to gain skills that may one day save a life. Students will be instructed using the American Red Cross curriculum for training in Adult, Child and Infant CPR, and First Aid. Successful completion of the course may result in an American Red Cross certification.

HEALTH II (ADVANCED HEALTH)

Course # 340133-2

Credit: 1

Grade Level: 10-12

Prerequisite: Health I

During this course, students will examine the most current health issues. Some examples of topics may include drug abuse, prevention, AIDS and HIV epidemic, organ donation, cloning, and nutrition/fad diets. Students will complete PowerPoint presentations on each health topic and complete weekly newsletters that will include daily health topics.

HEALTH/PHYSICAL EDUCATION I

Course # 340290

Credit: 1

Grade Level: 9

This course addresses the following concepts for healthful living practices: health maintenance, nutrition, human growth and development, family living, mental health, drug education, first aid, community, and environmental health. Physical Education I is the basic secondary physical education required of all students. It provides an extension of instruction received during elementary and middle school physical education courses. A variety of activities are introduced which stress the development of basic skills, rhythmic activities, individual as well as team sports and games, and also includes self-testing physical fitness activities.

HUMAN BODY SYSTEMS

Course # 340133

Credit: 1

Grade Level: 9-12

This class is designed to give students an overview of each of the human body systems. The instruction will include the identification of the specific parts of each of the systems as well as the terminology, the function, and related diseases/disorders. Students will gain the basic knowledge of the human body which may advance their higher levels of study.

STRENGTH/CONDITIONING

Course # 340214-1

Credit: 1

Grade Level: 11-12

Prerequisite: Passing grade in PE I & PE II

This course offers the student the opportunity to improve overall physical fitness through aerobic and anaerobic training. Students will help set their own conditioning goals.

LANGUAGE ARTS

COLLEGE WRITING LAB

Course # 230402

Credit: 1

Grade Level: 11-12

This course provides opportunities for students to practice mastery of rhetorical skills and usage mechanics through the preparation and submission of college entrance essays and writing for scholarships. Throughout this course, students will set goals, identify and explore opportunities for scholarships, grants, and other financial aid, and submit writing with the intention of securing admission into and funding for college.

COMPOSITION

THIS IS NOT A COURSE THAT CAN BE SELECTED. STUDENTS ARE PLACED IN THE COURSE BASED ON THEIR TEST SCORES

Course # 230401

Credit: 1

Grade Level: 10-11

This course is for students who will benefit from additional time and support or for students who did not attain a proficient score on the On-Demand Writing test. This course could serve as an English/Language Arts elective for high school graduation but not as one of the four required English Language Arts courses.

CREATIVE WRITING

Course # 230511

Credit: 1

Grade Level: 9-12

Creative writing provides an opportunity for students to discover and perfect their creative communication skills. Students learn to develop voice, tone, focus, form, and meaning in different writing styles. Students will learn peer conferencing skills and creative revision techniques.

ENGLISH I

Course # 230107

Credit: 1

Grade Level: 9

Exposes the student to grammar structure and usage, use of the writing process with an emphasis on the ability to write and use a variety of sentence forms within a tightly constructed paragraph, development of the ability to write a simple expository composition with emphasis on the introductory paragraph and use of transitions within and between paragraphs, development of research skills to locate information using the Reader's Guide to Periodical Literature and general encyclopedias, and development of study skills such as note-taking, outlining, and summary writing. Literature study emphasizes types of literature, e.g. short story, novel, biography, poetry, and drama. Vocabulary study encourages the enlargement of spoken and written language. Development of speaking skills will be emphasized through oral presentations. Some sections of English I will be assisted by a collaborative teacher who will meet the needs of those students who require additional assistance with skills.

ENGLISH I HONORS

Course # 230107-H

Credit: 1 Indexed

Grade Level: 9

Prerequisite: 85 or above in 8th Grade English.

Includes the same general content as English I but requires more outside reading with an emphasis on analysis. Creative and expository writing will be emphasized, and research projects will be introduced with emphasis on the writing process.

ENGLISH II

Course # 230110

Credit: 1

Grade Level: 10

This course will emphasize comprehension and analysis of poetry, short stories, plays non-fiction texts, and novels as major types of literature. Writing instruction will focus on specific skills including practical application of grammar, for real world writing and research. Continuous vocabulary study will be a part of all assignments. Kentucky requires all students taking English II to complete an On-Demand Writing assessment.

ENGLISH II HONORS

Course # 230110-H

Credit: 1 Indexed

Grade Level: 10

Prerequisite: 85 average or above in English I or teacher recommendation.

This is an advanced English II course with more outside reading.

ENGLISH III

Course # 230113

Credit: 1

Grade Level: 11

English III concentrates on American literature, studying both fiction and non-fiction, and develops an appreciation for the cultural and literary heritage of American literature. Students will polish writing skills using a variety of styles of organization in papers of varying types and lengths. Research and oral skills will continue to be reinforced with projects of varying types and lengths. Some sections of English III will be assisted by a collaborative teacher who will meet the needs of those students who require additional assistance with skills.

ENGLISH III HONORS

Course # 230113-H

Credit: 1 Indexed

Grade Level: 11

Prerequisite: 85 average or above in English II or teacher recommendation.

Honors English III concentrates on American literature, studying both fiction and non-fiction, and developing an appreciation for the cultural and literary heritage of American literature. The student will explore the time, events, people, technology, politics, economy, and traditions that influenced American writers, artists, and musicians. The student will further develop skills in research, writing, speaking, and reading. A research paper will be required.

ENGLISH IV

Course # 230116

Credit: 1

Grade Level: 12

This course concentrates on literary and rhetorical analysis as well as the research process. Throughout the course, students will study print and non-print texts. Students will compose arguments to support claims in analysis of substantive topics or texts. Additionally, students will evaluate and synthesize multiple sources of information in order to address questions and solve problems. Through this process they will cite relevant and thorough textual evidence to support claims.

ENGLISH IV HONORS

Course # 230116-H

Credit: 1 Indexed

Grade Level: 12

Prerequisite: 85 average or above in English III or teacher recommendation.

This is an advanced English IV course with more outside reading.

FOUNDATIONS OF WRITING

Course # 230401

Credit 1

Grade Level: 9-12

Students will intensely explore the English language by breaking it down to study grammar and usage rules. Standard and non-standard grammar will be studied as well as the standard rules of usage for capitalization and punctuation. Emphasis will be placed on ACT preparation and general improvement of writing skills.

LANGUAGE AND COMPOSITION I AND II AP

Course # 230166 and 230166-2

Credit: 1 Indexed per course

Grade Level: 11 – 12

Prerequisite: Must take I and II consecutively in the same year. B average in English II or III Honors or teacher recommendation

A pre-course reading assignment is required for a test grade within this course. Information for the assignment will be available during the scheduling process.

AP Language and Composition is designed for those students with outstanding reading and composition skills and is a rigorous course of study, emphasizing analysis and comprehension. Expository, analytical, and argumentative writings, as well as genre conventions will comprise the course. It requires significant outside work and is in preparation for the AP exam, which may result in receiving some college credit. Students completing AP English Language are required to take a Clep or AP Exam to receive weighted credit. Students will bear the expense of the test. Compilation and completion of a writing portfolio, which includes pieces of writing from across the curriculum, will be required of seniors for graduation. A research and performance event is required by the College Board for both seniors and juniors.

LITERARY FILM STUDIES I

Course # 230140

Credit 1

Grade Level: 9-10

Formerly: Film Studies - Intro To

This course is designed to introduce students to the critical study of film. Through study of selected films and readings, lectures, class discussion, and written assignments, the students will learn to recognize and analyze film language (editing, cinematography, sound, special effects, etc.). By the end of the course, students will discover the many ways films produce meaning and should be able to demonstrate command of these basic skills to critically interpret those meanings through deep analysis. **NOTE- there will be a heavy focus on written analysis and oral presentations.**

LITERARY FILM STUDIES II

Course # 230140-2

Credit 1

Grade Level: 11-12

Prerequisite: Literary Film Studies I

This course explores the complex interplay between film and literature. Selected novels, short stories and plays will be analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities—and problems—involved in the transposition to film. Students are expected to have a technical understanding of film analysis (Intro to Film is a prerequisite). Students are cautioned that this course requires extensive reading and writing in addition to viewing films and participating in class discussions. **NOTE- there will be a heavy focus on written analysis and oral presentations.**

LITERARY MAGAZINE

Course # 239131

Credit 1

Grade Level: 9-12

Prerequisite: Creative Writing

This course will continue to provide more in-depth writing instruction, an opportunity for students to discover and perfect their creative communication skills. Students learn to enhance the voice, tone, focus, form, and meaning in different writing styles. Students will learn peer conferencing skills and creative revision techniques.

LITERATURE AND COMPOSITION I AND II AP

Course # 230167 and 2301767-2

Credit: 1 Indexed per course

Grade Level: 11 – 12*

Prerequisite: Must take I and II consecutively in the same year. B average in English II or III Honors or teacher recommendation. A pre-course reading assignment is required for a test grade within this course. Information for the assignment will be available during the scheduling process.

AP Literature and Composition is designed for those students with outstanding reading and composition skills and is a rigorous course of study of classic and contemporary literature, emphasizing analysis and comprehension. It requires significant outside work and is in preparation for the AP exam, which may result in receiving some college credit. Students completing AP English Literature are required to take a Clep or AP Exam to receive weighted credit. Students will bear the expense of the test. Compilation and completion of a writing portfolio, which includes pieces of writing from across the curriculum, will be required of seniors for graduation. A research and performance event is required by the College Board for both seniors and juniors.

MYTHOLOGY

Course #230140-3

Credit: 1

Grade Level: 10-12

Prerequisite: Passing grade in English I

In this course, students will explore myths from various world cultures, examining the ways storytelling both preserves and promotes our understanding of the human condition. The skills addressed within this course will coincide with/reinforce those skills addressed in the English classroom, including students' abilities to:

- Evaluate, analyze, reflect upon, and respond to a variety of print and nonprint resources, both literary and real-world
- Form and support opinions, arguments, and judgments both in speech and writing
- Use and demonstrate reading comprehension, vocabulary, and critical thinking strategies and practices
- Make connections, comparisons, and synthesize information within and across texts

POETRY

Course # 230140-3

Credit 1

Grade Levels: 9-12

Prerequisite: Creative Writing

This course will be for those students who, after completing Creative Writing, wish to pursue poetry further. Throughout the semester in this course, students will go beyond the initial stages of poetic writing to achieve a more in-depth understanding and appreciation of what poetry is and how it should be written. In addition, students will plan, participate, and advertise a poetry reading to be held at the school. Students will also create a school-wide literary publication in which they publish their own poetry as well as those from other Conner students.

READING FOR COLLEGE SUCCESS

This is not a course that can be selected. Students are placed in the course based on their test scores.

Course # 231295

Credit: 1

Grade Level: 10-12

Prerequisite: Only students who have been referred and qualify will be permitted in this class.

This course is for students who need additional time and support or for students who may not have attained the benchmark ACT score in Reading, which includes Social Sciences, Natural Sciences, Humanities, and Literature texts. This course could serve as an English/Language Arts elective for high school graduation but not as one of the four required English Language Arts courses.

READING ENG/LA INTERVENTION

Course #231295-1

Credits: 1

Grade Level: 9

This course is for students who need additional time and support or for students who may not have attained the benchmark STAR score in Reading, which includes Social Sciences, Natural Sciences, Humanities, and Literature texts. This course could serve as an English/Language Arts elective for high school graduation for high school students, but not as one of the 4 required English Language Arts courses

SPEECH & DRAMA

Course # 231099-1

Credit: 1

Grade Level: 9 – 12

Prerequisite: Class size is limited to twenty and requires teacher recommendation and 2.0 GPA.

Fee: \$25

Speech and Drama provides basic instruction in speech preparation and public speaking techniques, as well as theater history, basic acting skills, and various aspects of production processes.

YOUNG ADULT LITERATURE

Course # 230140-4

Credit: 1

Grade Level: 9 – 12

Students will read widely and familiarize themselves with the growing body of literature/genres written for and marketed to adolescents. We will read and discuss books related to identity, diversity, race and class, dystopic visions, friendship, coming of age, voice and silence, technology, and a range of other social and psychological themes. Students will share responsibility for facilitating discussion of whole class texts and read independently as participants and facilitators of literature circles. In addition, the course will emphasize exposure to and understanding of a variety of critical/theoretical approaches to reading appropriate for high school classrooms.

MATHEMATICS

For High School Graduation a total of four/five required credits must be achieved depending on the freshman year required math. EVERY STUDENT IS REQUIRED TO SCHEDULE A MATH CLASS EACH YEAR OF HIGH SCHOOL.

ALGEBRA I FULL YEAR COURSE

Course # 270304

Credit: 2

Grade Level: 9

This course is designed for first-time Algebra students. Topics include, but are not limited to: real number systems, properties of positive and negative numbers, linear equations, inequalities, quadratics, exponents, absolute values, proportions, and probability. **This course will be taken first and second semester of the freshman year, as it is a full year course, unless credit is earned in middle school.**

ALGEBRA I ACCELERATED

Course # 270304-AC

Credit: 1

Grade Level: 9

Prerequisite: a grade of at least 90% in Pre-Algebra OR At least 80 in Algebra I. Pre-Algebra students must pass a 20 question which will be administered prior to scheduling.

This course will cover the same content as Algebra I at a more rigorous pace. This class is intended for students who have a firm grasp on pre-algebra and do not need a full year for Algebra I or for students who have taken Algebra I at the Middle School but have not obtained the foundation necessary to be successful in future accelerated math courses. This is not a weighted course as it covers the same content as Algebra I.

ALGEBRA II

Course # 270311

Credit: 1

Grade Level: 9 – 12

Prerequisite: Algebra I and Geometry

This course expands many of the topics of Algebra I and also includes but is not limited to: functions, number systems, data analysis, and systems of equations, rational equations, and radical expressions.

ALGEBRA II HONORS

Course # 270311-H

Credit: 1 Indexed

Grade Level: 9-12

Prerequisite: Geometry with an A average or Geometry Honors with an A or B average. A minimum CERT score of 19 is recommended.

The course will cover the basic outline for Algebra II but will be paced to accommodate students with a high proficiency of skills learned in Alg I.

ALG. II INTRODUCTION

Formerly- Algebra II Intervention

Course # 270310

Credit: 1

Grade Level: 10-11

Prerequisite: Students with a CERT score of 16 or lower or ANY student wishing to improve their EOCA for Alg II

This course is designed for those students who have completed Alg I, but are not deemed sufficiently prepared to attempt a rigorous Alg II course. The intent of this course is to go beyond Alg I and prepare students for the Alg II course. By signing up for this course students are committing to a full year of math. The Alg II intro course will be taken in the fall followed by the Alg II course in the spring semester. **This course is an ELECTIVE and will NOT meet the Alg II graduation requirement.**

CALCULUS AB I AND II AP

Course # 270513-1 and 270513-2

Credit: 1 Indexed per course

Grade Level: 11 – 12

Prerequisite: Pre-Calculus II with an A average. A minimum CERT score of 22 is recommended. BY SIGNING UP FOR THIS CLASS YOU ARE COMMITTED TO A FULL YEAR OF MATH – CALCULUS I IN THE FIRST SEMESTER AND CALCULUS II IN THE SECOND SEMESTER OF THE SAME SCHOOL YEAR.

This is an Advanced Placement course, which follows the AP course description of the College Board. Topics include but are not limited to: limits, continuity, differentiation of algebraic, implicit and transcendental functions, applications of derivatives, and Newton's Method. Topics include but are not limited to: Integration of algebraic, implicit and transcendental functions, use of Riemann-Stieltjes integrals for finding the area under continuous curves and volumes of rotation, centroid, differential equations, sequences and series, and hyperbolic functions. Students in this course must have access to a graphing calculator and will be required to take the Advanced Placement Exam.

CALCULUS BC I AND II AP

Course # 270514-1 and #270514-2

Credit 1 Indexed per course

Grade 11-12

Prerequisite: A in Pre-Calculus II, AND a CERT core of 24. By signing up for this course you are committed to a full year of math Calculus AP BC in the first semester and Calculus AP BC II in the second semester.

SIGNING UP FOR THIS CLASS YOU ARE COMMITTED TO A FULL YEAR OF MATH – CALCULUS I IN THE FIRST SEMESTER AND CALCULUS II IN THE SECOND SEMESTER OF THE SAME SCHOOL YEAR.

This course will increase college readiness by allowing students the opportunity to earn college credit beyond what can be earned in Calculus AP AB. This is an Advanced Placement course, which follows the AP course description of the College Board.

COLLEGE ALGEBRA (DUAL CREDIT)

Course # 800021

Credit: 1

Grade Level: 11-12

Prerequisite: Successful completion of Algebra II with a grade of C or higher, GPA above 2.5 and ACT math subscore of at least 21. Teacher recommendation is required in the absence of an ACT score.

This is a dual-credit course through KY State, designed for seniors who are not pursuing trigonometry or calculus. The course is designed to be equivalent to a credit-bearing college algebra course for students intending to enter into post-secondary education and pursue a degree that requires an algebra pathway. The content goes beyond a traditional Algebra II course.

COLLEGE READINESS MATH

THIS IS NOT A COURSE THAT CAN BE SELECTED. STUDENTS ARE PLACED IN THE COURSE BASED ON THEIR TEST SCORES.

Course # 270718

Credit: 1

Grade Level: 9-12

Prerequisite: Administration places students in this course if the student has not reached benchmark.

This course is for students who need additional time and support to complete the high school mathematics Program of Studies for graduation requirements or who may not have attained the benchmark ACT score in mathematics. It addresses statements from the High School Mathematics Program of Studies, with a strong emphasis on real world connections and/or connections with other disciplines of study. This course could serve as a mathematics elective for high school graduation, but not as one of the 4 required math courses for high school graduation: Algebra 1, Geometry or Algebra 2.

GEOMETRY

Course # 270401

Credit: 1

Grade Level: 9 – 12

Prerequisites: Completion of Algebra I.

This course is for college bound students. This course emphasizes discovery of geometric relationships through inductive and deductive reasoning. Topics include relationships between points, lines, planes and angles, parallelism, triangles, quadrilaterals, polygons, congruence and similarity, the Pythagorean Theorem, circles, areas, constructions, coordinate geometry, transformations and basic solids.

GEOMETRY HONORS

Course # 2704021-H

Credit: 1 Indexed

Grade Level: 9-10

Prerequisites: Completion of Algebra I with an A average or Algebra I Accelerated with an A or B. A minimum CERT score of 19 is recommended.

This course is intended for the accelerated mathematics student. Topics will include those listed for Geometry with emphasis on applications and combining multiple geometric concepts. This course will explore right triangles, circles, and solids in greater depth and will be paced to meet the abilities of an advanced student.

MATHEMATICS FOR BUSINESS AND INDUSTRY

Course # 080780

Credit: 1

Grade Level: 12

Prerequisites: Elective, successful completion of required core math credits.

This elective course develops math skills through real world applications. Topics covered will include, but not limited to: bank services, payroll and taxes, insurance, stocks and bonds, and personal finance.

PRE-CALCULUS I

Course # 270501

Credit: 1 Indexed

Grade Level: 10 – 12

Prerequisites: Completion of Algebra II Honors with an A or B average or Algebra II with an A average. A minimum CERT score of 22 is recommended.

This course is intended for students planning to continue into Pre-Calculus II and then AP Calculus. This course includes review and expansion of some topics of Algebra II in addition, but not limited to: solving quadratics, conic sections, rational exponents, logarithms, matrices, sequences, series, and probability and statistics. This course covers a rigorous curriculum in preparation for AP Calculus.

PRE-CALCULUS II

Course # 270501-2

Credit: 1 Indexed

Grade Level: 10 – 12

Prerequisite: Completion of Pre-Calculus I with an A or B average. A minimum CERT score of 22 is recommended.

This course is intended for students planning to continue into AP Calculus. This course includes review and expansion of some topics of Pre-Calculus I including, but not limited to: logarithms, right triangles, trigonometry, trigonometric functions, and analytic trigonometry. This course covers a rigorous curriculum in preparation for AP Calculus.

PROBABILITY AND STATISTICS

Course # 270602

Credit: 1

Grade Level: 11-12

Prerequisites: Must have completed all required core math credits; Algebra I [2], Geometry, and Algebra II

This course is designed to address such concepts as theoretical and experimental probability, binomial distributions, and normal distributions, displaying and describing distributions of data, collecting data, measures of central tendency and dispersion, and methods of inferential statistics. Students will need a graphing calculator ti-84 to complete assignments for this class.

PROBABILITY AND STATISTICS HONORS

Course # 270602-H

Credit: 1 Indexed

Grade Level: 11-12

Prerequisites: Must have completed all required core math classes. A CERT score of 22 or ACT score of 26 is recommended with an A or B in Algebra II.

This course is designed to address such concepts as theoretical and experimental probability, binomial distributions, normal distributions, displaying and describing distributions of data, collecting data, measures of central tendency and dispersion, and methods of inferential statistics, with extensions and acceleration provided for students who qualify. A student must earn at least a 22 for math on the CERT, a 26 for math on the ACT or a 150 or higher on the Algebra II EOCA. Students will need a graphing calculator ti-84 to complete assignments for this class.

STATISTICS I AND II AP

Course # 270604 and 270604-2

Credit: 1 Indexed per course

Grade Level: 11-12

Prerequisite: Algebra II or Algebra II Accelerated with an A average. A minimum CERT score of 22 is recommended. Students in this course must have access to a TI-84 graphing calculator. BY SIGNING UP FOR THIS CLASS YOU ARE COMMITTED TO A FULL YEAR OF MATH – STATISTICS I IN THE FIRST SEMESTER AND STATISTICS II IN THE SECOND SEMESTER OF THE SAME SCHOOL YEAR.

Prerequisite: Completion of AP Statistics I in the first semester of the same school year, with at least an 86% indexed grade or a score of at least an 86% on the AP Statistics I exit test. Students in this course must have access to a TI-84 graphing calculator and will be required to take the Advanced Placement Exam.

This course is designed to address the guidelines provided by the College Board for the Advanced Placement Statistics examination. Topics include but are not limited to: describing patterns and departures from patterns, planning and conducting a study, and exploring random phenomena using probability and simulation.

TECHNICAL MATH

Course # 270643

Credit: 1

Grade Level: 11-12

Prerequisites: Must have completed all required core math classes.

This course will cover unit conversion, variation, measurement of geometric figures, vectors, solving right and oblique triangles using trigonometry, understanding and using both simple and complex formulas, and reading measurements and scales. The focus is a review of Algebra and Geometry that will support students who plan to take the ACT and an extension of those concepts into applications in various technologies and career pathways.

TRANSITIONS MATH

Course # 270621

Credit: 1

Grade Level: 12

Prerequisite: Completion of all four core math credits for graduation. A score of 21 or lower on the math portion of the ACT. Teacher recommendation is required in the absence of an ACT score.

This course is designed for seniors who are not pursuing trigonometry or calculus. The course will aide in strengthening math skills before entering college. This course will model the curriculum of college algebra and address various entry- level math topics. In addition, students will review ACT math topics. The KYOTE Test will be the final exam; the exam results are accepted by all public universities in the state of Kentucky as well as other universities outside the state for math placement at the college level.

SCIENCE

An * indicates a lab-based course

ANATOMY HONORS*

Course # 302631

Credit: 1 Indexed

Grade Level: 10 – 12

Prerequisite: Recommended successful completion of Biology & Chemistry [concurrently w/Chem.] with at least a minimum grade of an 85% for each.

Fee: \$ 15.00

Anatomy is designed to prepare students contemplating a medically related career. This class is an exhaustive survey of the human body, beginning at cells and progressing through body systems and their integrations. For relevance, multiple dissections will be performed, culminating with the dissection of the cat.

ASTRONOMY

Course # 304612

Credit: 1

Grade Level: 10-12

Prerequisite: Recommended C or higher in Algebra I.

Fee: \$ 15.00

This course is designed to provide students with an in depth study of space and related electromagnetism in space, spectroscopy, history of astronomers, telescopes, solar system, star formation and evolution, universal debris, measurements of stars, neutron stars and black holes, galaxies, cosmology, active galaxies, quasars, and dark matter. This is an elective course.

BIOLOGY*

Course # 302601

Credit: 1

Grade Level: 10

Fee: \$ 15.00

In this required course, students develop a conceptual understanding of life science, through the use of scientific inquiry. They investigate life science concepts such as cellular organization; molecular basis of heredity; biological change; interdependence of organisms; matter, energy and organization in living systems; and behavior of organisms. A scientific inquiry approach uses concrete, hands on experiences that require students to apply critical thinking skills.

BIOLOGY HONORS*

Course # 302601-H

Credit: 1 Indexed

Grade Level: 9-10

Prerequisite: As an 8th grade student a score of 80% or above on a basic science skills entrance exam OR a B in Honors Integrated Science OR an A in Integrated Science

Fee: \$ 15.00 Enrollment in this course requires students to take Integrated Science Honors as a co-requisite and a total of 4 Science credits].

This course covers the same content as Biology: but students are expected to reach a deeper understanding.

BIOLOGY I AND II AP*

Course # 302646 and 302646-H

Credit: 1 Indexed per course

Grade Level: 10 – 12

Prerequisite: Biology, Chemistry [concurrently w/Chem.], or Honors Biology

Fee: \$ 15.00 fee per semester

This is a college level course designed to prepare students for the AP Biology exam. It aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Course work during winter/spring break is to be expected.

Students taking the AP Biology Exam will have a 1.08 indexed credit.

BOTANY***Course # 302612****Credit 1****Grade Level: 9-11****Fee: \$15.00**

This course focuses on the study of the plant kingdom, including plant evolution, and classifications. Upon completion of this course, students will have enhanced background knowledge of plant biology and physiology.

CHEMISTRY I***Course # 304521****Credit: 1****Grade: 10 – 11****Prerequisite: Alg. I and Geometry****Fee: \$ 15.00**

In this required course students study matter and the changes it undergoes. Specific concepts include: measurement, atomic structure, bonding, the Periodic Table, nomenclature, reaction types, stoichiometry, gas laws, solubility, and acids and bases. There are many hands-on and lab activities in the course. In order to be successful, students must keep accurate records and analyze data in a lab journal.

CHEMISTRY I HONORS***Course # 304521-H****Credit: 1 Indexed****Grades 10 – 11****Prerequisites: Successful completion (B or above) in Algebra I and Geometry.****Fee: \$ 15.00**

This course covers the same content as Chemistry but offers a more rigorous mathematical treatment of chemistry oriented concepts. The laboratory experience and pace of the course are very demanding and require students to have a good mathematics background. Concepts include: measurement, bonding, nomenclature, reaction types, stoichiometry, gas laws, solubility, and acids and bases. In order to be successful, student must keep accurate records and analyze data in a lab journal.

CHEMISTRY I AND II AP***Course # 304526 AND 304526-2****Credit: 1 Indexed per course****Grade Level: 11-12****Prerequisite: Must take both courses in the same year. Recommended a B or higher in Honors Chemistry or an A in Chemistry.****This course MAY be used as mathematics credit senior year****Fee: \$ 15.00**

This course is designed to be the equivalent of the first year college general chemistry course. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. It is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of class and who have successfully completed a prior course in chemistry during high school. This course will develop the student's ability to incorporate mathematical skills in the solution of chemistry problems, both through the use of textbook problems and laboratory activities. This is a college class, with college level expectations for behavior, participation and effort.

ECOLOGY***Course # 302614****Credit: 1****Grade Level: 10-12****Prerequisite: Integrated Science and Biology****Fee: \$ 15.00**

Students will develop understanding of ecological concepts as outlined in the Kentucky Academic Standards for Science, such as, cycling of matter, biodiversity, ecosystems, earth systems and human impact. Students will learn these core ideas through hands-on activities outdoors, labs, the use of the science and engineering practices and crosscutting concepts. The course will require students to be willing to work outdoors.

ENVIRONMENTAL SCIENCE AP***Course # 304622****Credit: 1 Indexed****Grade Level: 10-12****Prerequisite: minimum grade of B in both Biology and Algebra I, Chemistry can be taken concurrently****Fee: \$ 15.00**

Students in this course will investigate the interrelationships between people and the natural world. This course will integrate the sciences - including biology, chemistry, and earth science - with the social sciences to analyze contemporary environmental problems such as pollution, resource acquisitions, biodiversity, and global warming. A strong laboratory and field investigation component is included so that the students can explore the issues that affect their own lives. Students are encouraged to take the AP Environmental Science Examination and possibly receive college course credit. This course will count as a fourth year science or as an elective credit for students.

FORENSIC SCIENCE***Course # 302616****Credit: 1****Grade Level: 9-10****Fee: \$ 15.00**

Forensic Science I is an introductory, lab-based course that will explore basic forensic science techniques. The course will focus on the principles and techniques of the physical and natural sciences as practiced and applied to the analysis and evaluation of the crime scene, evidence, and law. Mock crime scenes will be investigated and real case studies analyzed. Students will gain the knowledge and ability to problem-solve by gathering information to define a problem clearly, test hypotheses, and evaluate the results of investigations and synthesize all information to form a conclusion.

FORENSIC SCIENCE II***Course # 302616-2****Credit: 1****Grade Level: 10-12****Fee: \$ 15.00****Prerequisite: minimum grade of 85% in Forensic Science I and an 85% in Geometry**

Forensic Science II is a continuation of Forensic Science I, with detailed projects covering advanced forensic topics in depth. This is a lab-based course that will explore advanced forensic science topics that build upon the basic techniques learned in Forensics I. The course will focus on specific forensic fields as experienced in an actual forensic lab. In depth group and individual projects will be the core of this course. Students will gain the knowledge and ability to problem-solve by gathering information to define a problem clearly, test hypotheses, and evaluate the results of investigations and synthesize all information to form a conclusion. The dissection of a fetal pig will be required.

GENETICS HONORS***Course # 302661****Credit: 1 Indexed****Grade Level: 11-12****Prerequisite: B or higher in Biology****Fee: \$15.00**

Topics covered in this course include mitosis and meiosis, stem cells, cytogenetics, the chemistry of chromosomes, genetic diseases and their associated inheritance patterns, blood genetics, molecular genetics, population genetics, and bioethical decision making. Since most students are inherently interested in our own species, the approach in this course will emphasize human genetics.

GEOLOGY***Course # 304631****Credit: 1****Grade Level: 10-12****Fee: \$ 15.00**

This course will delve into the study of geology with a focus on specific careers and the knowledge needed for them. It will provide a greater understanding of geologic processes. Topics will include: earth features, earthquakes, volcanoes, crustal movement, rocks, rivers, oceans, erosion, and geologic changes.

INTEGRATED SCIENCE***Course # 303091****Credit: 1****Grade Level: 9****Fee: \$ 15.00**

This required course includes topics relating to scientific inquiry, measurement, physical properties, light, sound, electricity, magnetism, force and motion, basic chemistry, astronomy, geology, geochemical cycles, and geological time. Integrated Science is a required course for all students as an entry-level science course.

INTEGRATED SCIENCE HONORS***Course # 303091-H****Credit: 1 Indexed****Grade Level: 9****Prerequisite: As an 8th grade student, a score of 80% or above on a basic science skills entrance exam.****Fee: \$ 15.00**

This course provides an accelerated view of earth science and physical science. It includes topics relating to scientific inquiry, measurement, physical properties, geochemical cycles, geology, astronomy, force, motion, electricity, and magnetism, light and basic chemistry.

NOTE-Enrollment in this course requires student to take Honors Biology as a co-requisite and a total of 4 Science credits.

INTRODUCTION TO CHEMISTRY AND PHYSICS***Course # 304058****Credit: 1****Grade Level: 10-12****Prerequisite: Integrated Science and Biology****Fee: \$ 15.00**

This course serves as an introduction which integrates the basic concepts of chemistry and physics as outlined in the Kentucky Academic Standards for Science. Students learn how the physical and chemical properties of matter can be explained and predicted in terms of atomic and molecular structures and forces. They will also learn how balanced and unbalanced forces influence the behavior of objects. Students will learn the core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

MICROBIOLOGY*

Course # 302613

Credit: 1

Grade Level: 10 – 12

Fee: \$ 15.00

This course focuses on the study of microbiological techniques, viruses, fungi, protozoans, bacteria and, pathogenic organisms. The class will spend time focused on the diseases of humans. **This is an elective not a replacement for the biology requirement.**

PHYSICS HONORS*

Course # 304821-H

Credit: 1 Indexed

Grade Level: 10 – 12

Prerequisite: Recommend a C or higher in Alg. II

This course MAY be used as mathematics credit senior year

Fee: \$ 15.00

This pre-college course is trigonometrically based. Concepts to be studied include: force and acceleration, velocity, light, sound, motion, mechanics, electromagnetic radiation, electricity, and magnetism.

PHYSICS I AND II ALGEBRA BASED AP*

Course # 304828 and #304829

Credit: 1 indexed per course

Grade Level: 11-12

Prerequisite: A or B in Alg. II

Fee: \$ 15.00

This course MAY be used as mathematics credit senior year

Physics AP I Algebra Based is the equivalent to a first-semester college course in algebra based physics. The course covers Newtonian mechanics [including rational dynamics and angular momentum]; work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Physics AP II Algebra Based is the equivalent to the second-semester college course in algebra based physics. The course covers fluid mechanic, thermodynamics, electricity and magnetism, optics, atomic and nuclear physics. **NOTE- students must take both courses in the same year**

PRINCIPLES OF TECHNOLOGY WITH SCIENCE

Course # 304698

Credit: 1

Grade Level: 9-12

Prerequisite: Integrated Science and Biology

Fee: \$ 15.00

This course applies concepts learned in Integrated Science and Biology to real-life situations. Students conduct in-depth research and extended laboratory investigations into selected real-world science applications such as food science and nutrition, building design and construction, machine design and maintenance, health systems and energy generation and usage. Students work in self-directed project teams to research, investigate, analyze and report findings on assigned topics. By the conclusion of this course students will understand how scientific theories and ideas are developed and be able to apply this knowledge to life experiences and emerging issues. In addition, student gain teamwork and project management skills necessary to succeed in college and the workforce.

All work in this course is hands-on, project based and done in teams of 2 to 6 students. Assessment is based on teamwork, contribution to projects and the project results.

SPECIAL TOPICS: CHEMISTRY [Formerly Science Lab Assistant]

Course # 304599

Credit: 1

Grade Level: 11 – 12

Prerequisite: 3.5 GPA or higher, have earned a B average or higher in three honors science classes. The student must also have successfully completed one of the following: Zoology, Anatomy, Physics Honors, Physics AP, Biology, Chemistry AP or Environmental AP.

This position is designed to give students that are interested in science, medicine, or engineering an opportunity to obtain more experience in the science laboratory. In order to be selected, the student must be responsible, reliable, and trustworthy. Students who are interested in this position must submit a resume to the science department chair before **May 1st**. Candidates who are being considered must then submit references. The science department will select students based on criteria and departmental needs.

ZOOLOGY*

Course # 302615

Credit: 1

Grade Level: 11-12

Prerequisite: Grade of 80 or higher in Biology

Fee: \$ 15.00

This course studies the classification of living organisms with a focus on the animal kingdom. Studies will include a brief overview of organ systems. This class is based on dissections.

SOCIAL STUDIES

AMERICAN GOVERNMENT

Course # 451004

Credit: 1

Grade Level: 9-12

This course is designed to provide our students with a practical knowledge and understanding of our American government and its direct connection to them. Relevance to life is imperative for students to connect with the democratic process as citizens of the United States. Students will be able to apply knowledge of the US Constitution and demonstrate their understanding of how the American system of government functions on the local, state and national levels as well as the impact on individual citizens.

CONTEMPORARY US HISTORY: 50'S THROUGH 80'S

Course # 450878

Credit: 1

Grade Level: 9-12

Contemporary United States History is an elective course with an in-depth study of United States History since World War II. Students will learn about changing culture, technology, the Cold War, global conflicts, the world economy, the environment, and study the effects on contemporary society in the United States spanning the period 1950-1989. This course affords the opportunity to go into much greater detail regarding recent United States History than the required survey course (American History/United States History). This course stresses application, problem-solving, higher-order thinking skills, and the use of classroom performance-based/open-ended assessments.

EUROPEAN HISTORY I AND II AP

Course # 450844 and 450844-H

Credit: 1 Indexed per course

Grade Level: 10-12

Prerequisite: A minimum of 90% average in World Geography or Human Geography AP.

A survey of European History with a concentration on the period from the Renaissance to the Industrial Revolution. This course is recommended for highly motivated students that would like to earn college credit. Students must have strong reading and writing skills. Both must be taken in the same year. **This course will meet the world civilization requirement.**

GLOBAL ISSUES

Course # 451038

Credit: 1

Grade Level: 9 - 12

Global Issues is the study of persistent issues related to social, political, and economic facets of human behavior. This is more than a survey course in current events. Independently, pupils might pursue a new issue in considerable depth through comprehensive research and analysis. It would also be possible for the teacher to utilize this course to involve the students in some direct manner with community issues and problems. The student could identify with a practitioner who shares the concern or problem.

HUMAN GEOGRAPHY AP

This course meets the Freshman Social Studies Requirement

Course # 450712

Credit: 1 Indexed

Grade Level: 9-12

Prerequisite: Must have a minimum of 90% average in eighth grade Social Studies and English and eighth grade teacher recommendation.

This course will examine what human geography is, and is structured similarly to the most recent AP Human Geography Course Description published by the College Board. Fourteen chapters/units are covered over the course of a semester. The class also looks at various geographic problems that current, and future generations will face, and the reasons behind these problems. After successful completion of the course, students will:

- Use and think about maps and spatial data.
- Understand and interpret the implications of associations among phenomena in places.
- Recognize and interpret at different scales the relationships among patterns and processes.
- Define regions and evaluate regionalization process.
- Characterize and analyze changing interconnections among places.
- Develop a geographic perspective with which to view the landscape and understand current events.

LAW AND JUSTICE

Course # 451039

Credit: 1

Grade Level: 9 – 12

Law and Justice is a study of law-civil, criminal, constitutional, and international; the legal and justice systems. Students will examine the need for rules and regulations-interpretations of the Constitution, both state and federal, Supreme Court decisions, the Bill of Rights, and individual rights law, criminal law, family law, and consumer law. The study of the basic social contracts of society will enable students to understand the preferred democratic values: justice, equality, responsibility, and freedom, rule of law, human rights, honesty, equity, rational process, and human dignity.

PHYSICAL GEOGRAPHY (WORLD GEOGRAPHY)

Course # 450707

Credit: 1

Grade Level: 9

A study of the fundamentals of physical geography and the geographic regions of the world with emphasis on map orientation.

POLITICAL SCIENCE

Course # 451029

Credit: 1

Grade Level: 9 – 12

Political Science is the study of local, national, and foreign political processes. This class will examine how each level of government functions within our society and how citizens' roles and responsibilities affect the local, state, and national government.

PSYCHOLOGY

Course # 459901

Credit: 1

Grade Level: 9 – 12

An introduction to the scientific understanding of human motives and causes of behavior. The aim of the course is to help students obtain a better understanding of themselves and their problems. Study will focus on various personality disorders, both neurotic and psychotic. These problems will be discussed in relation to their causes, both organic and functional. This course will also cover related areas such as criminal psychology.

PSYCHOLOGY AP

Course # 459902

Credit: 1 Indexed

Grade Level: 11 – 12

The purpose of AP Psychology is to introduce students to a more in-depth systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields to psychology. Students will also learn about the methods of psychological research and the applications of their findings. The course prepares students to take the Advanced Placement examination in psychology. All students will be highly encouraged to take this examination.

SOCIOLOGY

Course # 451121

Credit: 1

Grades 10-12

This class deals with the study of people in groups; how groups behave and how groups affect the lives of individuals and society. It covers such topics as: social change, social organizations, social control, social psychology, community, crime and delinquency, marriage and the family, race and ethnic relation, group behavior and communication, and culture and personality.

US GOVERNMENT AND POLITICS AP

Course # 451030

Credit: 1 Indexed

Grade Level: 12

Prerequisite: Successful completion of U.S. History.

United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students successfully completing this course will:

- know important facts, concepts, and theories pertaining to U.S. government and politics,
- understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures),
- be able to analyze and interpret basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats),
- be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum.

All students will be highly encouraged to take this examination.

U.S. HISTORY

Course # 450809

Credit: 1

Grade Level: 11

A survey of American History from the Reconstruction Era to the present with a focus of the course will be reading and interpreting historical materials, researching through various uses of technology, and writing for a variety of purposes. Critical thinking skills will be emphasized.

U.S. HISTORY HONORS

Course # 450809-H

Credit: 1 Indexed

Grade Level: 11

Prerequisite: Received an A in World Civilizations AND previous English grade of an 85 average or above.

A survey of American History from the Reconstruction Era to the present with a focus of the course will be reading and interpreting historical materials, researching through various uses of technology, and writing for a variety of purposes. Critical thinking skills will be emphasized. This course covers the same content as US History but students are expected to reach a deeper understanding through accelerated pacing and mastery of higher level thinking skills through reading and writing.

U.S. HISTORY I AND II AP

Course # 450814 and 450821

Credit: 1 Indexed per course

Grade Level: 11 -12

Prerequisite: Student must also register for Course # 450821.

Advanced Placement United States History is a course designed to provide students with an opportunity to develop analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students are expected to learn how to assess historical materials, their relevance to a given interpretive problems, reliability and importance, and then to weight the evidence and interpretations presented in historical scholarships. An AP U.S. History course will thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

WORLD HISTORY (CIVILIZATION)

Course # 450835

Credit: 1

Grade Level: 10

This course is a survey of modern civilization since 1500. The aim of the course is to acquaint the student with the relationships of the past and the present, to demonstrate the unity of ideas developed on the evolving family of humanity, and to establish a foundation for developing the principle themes of modern Europe. The course will also emphasize the cultural diversity of peoples from all around the world.

WORLD HISTORY (CIVILIZATION) HONORS

Course # 450835-H

Credit: 1 indexed

Grade Level: 10

Prerequisite: Received an A in World Geography AND previous English grade, received an 85 average or above.

This course is a survey of modern civilization since 1500. The aim of the course is to acquaint the student with the relationships of the past and the present, to demonstrate the unity of ideas developed on the evolving family of humanity, and to establish a foundation for developing the principle themes of modern Europe. The course will also emphasize the cultural diversity of peoples from all around the world. Covers the same content as World Civilizations but students are expected to reach a deeper understanding through accelerated pacing and mastery of higher level thinking skills through reading and writing.

WORLD LANGUAGE

The success of a student in a first year language is based on an above-average ability in the understanding of English composition. **This is an elective and is not a requirement for graduation. Students need to complete 2 credits of the same world language to fulfill pre-college curriculum.** It has been proven that students who successfully complete a study of a world language perform better on standardized tests such as the SAT and ACT, while strengthening much-needed vocabulary skills. Students at all levels will be encouraged to practice the language in the four skills of speaking, listening, reading, and writing while learning about the cultures of other countries.

ENGLISH AS A SECOND LANGUAGE I AND II

Course # 160121 and 160122

Credit: 1 per course

Grade Level: 9 -12

Prerequisite: students selected by ESL specialist

Introductory course to English as a second language for the student of limited English proficiency. Course focuses on the development of the four basic communication skills of listening, speaking, reading, and writing in English. Placement through English language proficiency assessment and evaluation by the counselor and ESL specialist.

ESL II This course continues the study of English begun in 160121. Academic content is learned through the English language, as the four basic communication skills of listening, speaking, reading, and writing in English are developed.

GERMAN I AND II

Course # 160508 and 160509

Credit: 1 per course

Grade Level: 9 -12

Prerequisite: Overall Minimum GPA 2.0 or Senior Status

The beginning course in German introduces students to German vocabulary, grammar and culture. By examining a way of life different than their own, students will gain an appreciation for their own culture as well. Students will also be exposed to the German influence on the Northern Kentucky/Cincinnati area. Skills in listening, speaking, writing and reading are learned. Students will get the chance to examine the cultures of German-speaking countries and they will make comparisons to cultures in the U.S. and in their own lives.

The second course in German builds upon the skills learned in German I. Vocabulary, grammar and culture studies are expanded as well as skills in speaking, listening, reading and writing. **It is strongly recommended that German I & II be taken in the same year.**

GERMAN III AND IV [DUAL ENROLLMENT NKU GERMAN 101-102]

Course # 160510 and 160511

Credit: 1 Indexed per course

Grade Level: 10-12

Prerequisite: German II Overall Minimum GPA 2.0 - Teacher approval.

German III and IV are designed for students to continue language /culture study and have the opportunity to earn college credit for doing so. Communication using the target language will continue to be the goal of the course. Students will be expand their cultural studies into fields such as art, literature, history music and film. Student will also prepare for and take the National German Exam. This course is a weighted Honors course for those students who elect not to enroll in the Dual Enrollment Program. [1.02]

Students have the option to register for the course through NKU to earn 6 hours of college credit. (1.04 credit) Contact the instructor for the cost of the program and additional information. Students who pay a discounted tuition fee and earn the required grade in the course may receive 3 credit hours from NKU per course. ***Dual enrollment is NOT mandatory to take German III and IV***

GERMAN V AND VI [DUAL ENROLLMENT NKU 201-202]

Course # 002300

Credit: 1 Indexed per course

Grade Level: 10-12

Prerequisite: 2.0 GPA and teacher approval

German V and VI are designed for students with a deep interest in German languages and culture and who are considering pursuing German at the college level. Communication using the target language will continue to be the goal of the course. Students will expand their cultural studies into fields such as art, literature, history music and film. Student will also prepare for and take the National German Exam. This course is a weighted Honors course for those students who elect not to enroll in the Dual Enrollment Program. [1.02]

Students have the option to register for the course through NKU to earn 6 hours of college credit. (1.04 credit) Contact the instructor for the cost of the program and additional information. Students who pay a discounted tuition fee and earn the required grade in the course may receive 3 credit hours from NKU per course. ***Dual enrollment is NOT mandatory to take German V and VI.***

GERMAN TECHNICAL LANGUAGE

Course # 160520

Credit: 1

Grade Level: 9-12

This course develops language performance at a minimum of the Novice High level on the ACTFL Proficiency Scale for professional use in a career cluster area, such as: business, information technology, manufacturing, etc. Students will research and establish contact with local German businesses.

Latin I and II

Course # 160908 and 160909

Credit: 1 per course

Grade Level: 9 – 12

Prerequisite: 2.0 GPA or Senior Status

Latin is a subject that has several benefits. It increases logical thinking skills, boosts ACT scores, improves English grammar, spelling, vocabulary, and enables students to gain perspective of American culture through comparison to Roman culture and literature. It also lays a solid foundation for learning a modern language. It is especially beneficial for those students planning a career in law, science, pharmacy, or medicine. The course work in Latin I will encompass beginning work in translating the works of Roman authors, extensive vocabulary development, mythological studies, and cultural research. It is strongly recommended that Latin I & II be taken in the same year.

Latin II begins with a review of the materials presented in Latin I. Students are introduced to new Latin vocabulary, grammatical structures, and syntax. The Latin readings presented for listening and reading comprehension are based on authentic Latin authors. Students continue to study and to research word derivations, Greco-Roman mythology, history, and culture. **It is strongly recommended that Latin I & II be taken in the same year.**

LATIN III AND IV [DUAL ENROLLMENT NKU 101 & 102]

Course # 160910 and #160911

Credit: 1 Indexed per course

Grade Level: 10-12

Prerequisite: Completion of Latin I & II, 2.0 GPA and permission of instructor

Latin III begins with a review of the materials learned in Latin I and II. Students are introduced to new Latin vocabulary and to more challenging grammatical structures, such as uses of the subjunctive and indirect statement. Translations become more challenging in order to prepare the students for Latin IV. Students continue to study and to research word derivations, Greco-Roman mythology, history, and culture. N.B. –

This course is a weighted Honors course for those students who elect not to enroll in the Dual Enrollment Program. [1.02]

In Latin IV, students read selections from the Metamorphoses, Ovid's stories of mythology, and the Amores, short love poems by Ovid. The course includes the study of scansion, vocabulary, figures of speech, uses of imagery, geographical and mythological references, grammar and syntax, and metrical effects. Students will analyze and compare the mythological tales in Ovid to corresponding mythological tales around the world. Students will learn how to analyze and to interpret these myths psychologically in order to understand and to enhance the circumstances and the culture of their lives. N.B. –

This course is a weighted Honors course for those students who elect not to enroll in the Dual Enrollment Program. [1.02]

Students have the option to register for the course through NKU School Based Scholars Program to earn 6 hrs of college credit (LATN 101, LATN 102). The credit is transferable to other colleges and universities, but it is the decision of that college/university on how to award the credit. The course is weighted at 1.04 for high school grading purposes. Contact the instructor for the cost of the program and additional information.

LATIN V [DUAL ENROLLMENT NKU 201]

Course # 000104

Credit: 1 Indexed

Grade Level: 10-12

Prerequisite: Latin I, II, III, IV - 2.0 GPA and permission of instructor.

In Latin V, students will read and critically analyze passages from the Roman author, Caesar, specifically selections from The Gallic Wars. Students will review the grammar, syntax, and morphology of the Latin language through daily translation and review handouts. Students will learn about the religious, societal, and historical context in which Caesar wrote through reading and summarizing passages from modern scholarly authors as well as several ancient authors, such as Suetonius and Plutarch. Students will engage in and will conduct classical scholarship and research by reading articles from scholarly journals and implementing them in an end of the semester research paper. The course includes the requirements for the AP Latin syllabus. Students should contact the instructor in the spring semester of Latin IV for a copy of the syllabus and summer reading assignments. This course is a weighted Honors course for those students who elect not to enroll in the Dual Enrollment Program. [1.02]

Students have the option to register for the course through NKU's School-Based Scholars Program to earn 3 hrs of college credit (LATN 201). The credit is transferable to other colleges and universities, but it is the decision of that college/university on how to award the credit. The course is weighted at 1.04 for high school grading purposes. Contact the instructor for the cost of the program and additional information.

LATIN VI [DUAL ENROLLMENT NKU 202]

Course # 000105

Credit: 1 Indexed

Grade Level: 10-12

Prerequisite: Latin I, II, III, IV, V - 2.0 GPA and permission of instructor.

In Latin VI, students will read and critically analyze passages from the Roman author, Vergil, specifically, selections from the Aeneid, as well as from the Roman poets, Lucretius and Ovid. Students will review the grammar, syntax, and morphology of the Latin language through daily translation and review handouts. Students will learn about the religious, societal, and historical context in which Vergil wrote through reading and summarizing passages from modern scholarly authors as well as from the three major classical epics: Iliad, Odyssey, and Aeneid. Students will engage in and will conduct classical scholarship and research by reading articles from scholarly journals and implementing them in an end of the semester research paper. This course includes requirements for the AP Latin syllabus. Students should contact the instructor in the spring semester of Latin IV for a copy of the syllabus and summer reading assignments.

This course is a weighted Honors course for those students who elect not to enroll in the Dual Enrollment Program. [1.02]

Students have the option to register for the course through NKU's School-Based Scholars Program to earn 3 hrs of college credit (LATN 202). The credit is transferable to other colleges and universities, but it is the decision of that college/university on how to award the credit. The course is weighted at 1.04 for high school grading purposes. Contact the instructor for the cost of the program and additional information.

Spanish I and II

Course # 161108 and 161109

Credit: 1

Grades 9 – 12

Prerequisite: 2.0 GPA or Senior Status

This Introductory Spanish course is designed for the student who wants a basic understanding of the Spanish language and Hispanic cultures. It includes practice in speaking, listening, reading and writing with grammar and vocabulary studies. Geography, history, and culture will be included as well through a variety of audio, visual, and print materials.

Spanish II is a continuation of Level I. Emphasis is on proficiency in the four language skill areas: speaking, listening, reading, and writing with additional studies of the Spanish-speaking world. Students will participate in a research project and will also participate in the National Spanish Exam. **It is strongly recommended that Spanish I & II be taken in the same year.**

SPANISH III AND IV

Course # 161110 and 161111

Credit: 1 Indexed per course

Grade Level: 10-12

Prerequisite: A or B in Spanish II and approval of teacher

Spanish III & IV are Honors Courses geared for the student who wants to become proficient in the language and aspires to enroll in Advanced Placement Spanish. Both courses must be completed consecutively in one year to cover the large amount of vocabulary and advanced structures that are necessary to proceed to the Advanced Placement level. Students will be required to use the target language on a daily basis to communicate with their peers and teacher in performance events, practicing in a variety of situations. Weekly writing assignments will be expected in addition to numerous projects and performance events. Students will participate in the National Spanish Exam. Students who maintain a B+ average will be invited to join the Hispanic Honor Society and will be invited to attend the convention in the spring.

SPANISH I AND II LANGUAGE AND CULTURE AP

Course # 161130-1 and 161130-2

Credit: 1 Indexed per course

Grade

Level: 10-12

Prerequisite: B in Spanish IV - approval of teacher

This course is a refinement of all grammar skills, in all four areas of speaking, listening, reading, and writing with a complete review of all materials to prepare students for the AP exam. Class will be conducted solely in the target language and students will be writing papers in Spanish of 200 – 250 words. There will also be a strong emphasis on cultural comparisons. All students will be taking the National Spanish Exam in the spring. Students will practice AP test materials throughout the year to ready themselves for the AP exam. Students must successfully complete the course with a C and take the AP exam. The AP exam must be taken at the completion of the course to receive the weighted credit of 1.04.

SPANISH I AND II LITERATURE AND CULTURE AP

Course # 161131-1 and 161131-2

Credit: 1 Indexed per course

Grade

Level: 10-12

Prerequisite: Must successfully complete Language and Culture I and II AP approval of teacher

Provides a formal study of a body of literary texts in Spanish in preparation for the Advanced Placement Exam. Students develop proficiencies across the full range of communication modes, thereby honing their critical reading and analytical skills. Literature is examined within the contexts of its time and place as students reflect on the many voices and the cultures present in the reading. With a strong focus on cultural comparisons including the exploration of various media.

BOONE COUNTY AREA TECHNOLOGY CENTER

Completion of a 2 year program will count as the required senior math credit.

Prerequisite: application and approval process is procedure for admittance into any of the following programs.

AUTO TECH

This program includes introduction to auto body repair, non-structural analysis and damage repair, structural analysis and damage repair, and painting and refinishing. Taught parallel with the lab.

DIESEL

This program focuses on the skills needed to analyze malfunctions and repair, build and maintain construction equipment, farm equipment, or medium and heavy trucks. This program includes climate control, computer fundamentals, mechanical concepts, introduction to diesel engines, and introduction to maintenance welding. Taught parallel with the lab.

ELECTRICITY

This program involves the study of materials and procedures used in construction wiring. Taught parallel with the lab.

HEALTH SCIENCES

This program prepares individuals to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of an approved registered nurse or licensed practical nurse. State Registry is available upon successful completion of state written and performance examination.

MACHINE TOOL

Description to be determined.

METAL FABRICATION

This course introduces various types of sheet metal designs, fabrication, and fastening techniques used in the sheet metal industry.

WELDING

This class introduces the student to the art and science of welding. Students learn to prepare the equipment and to perform basic welding operations.

ADVANCED PLACEMENT OFFERINGS

Courses that are currently offered at Conner High School are as follows:

CTE	FINE ARTS	LANG ARTS	MATHEMATICS	SCIENCE	SOCIAL STUDIES	WORLD LANGUAGES
Comp. Sci. A	Studio 2D Art AP	Lang/Comp AP	Calculus A-B AP	Biology AP	European Hist. AP	Spanish AP Lang.
Comp. Sci. Principle	Studio 3D Art AP	Lit/Comp AP	Calculus B-C AP	Chemistry AP	Human Geo. AP	Spanish AP Lit.
	AP Music Theory		Statistics AP	Environmental AP	Psychology AP	
				Physics AP	US Gov. Politics AP	
					US Hist. AP	

Courses offered at **Conner High School** via various College and Universities [taught by CHS staff]

Latin	German	Education
Latin III & IV Latin 101-102 NKU Approx. \$200 plus books	German III & IV German 101-102 TMC Approx. \$200 plus books	EDU 104 and 305 NKU Approx. \$200 plus books
Latin V & VI Latin 201-202 NKU Approx. \$200 plus books	German V & VI German 201-202 NKU Approx. \$200 plus books	

Courses offered by **NKU on Conner High School campus** [approximately \$156 per course plus the cost of book]

Fall 2020	Spring 2021
ANT 100*	CMST 101*
Introduction to Cultural Anthropology	Public Speaking

- Subject to change

Are you Transition Ready?

Academic Readiness	Career Readiness
<ul style="list-style-type: none"> ● ACT (CPE) Benchmarks: English- 18, Reading- 20, Math- 19 or ● A grade of B or higher in each course on 6 or more hours of KDE approved Dual Credit or ● A score of 3+ on exams in 2 or more Advanced Placement courses <p>Demonstration of academic readiness shall include one quantitative reasoning or natural sciences and one written or oral communication, or arts and humanities, or social and behavioral sciences learning outcomes.</p>	<ul style="list-style-type: none"> ● Benchmarks on approved Industry Certifications or ● Benchmarks on CTE End-of-Program Assessments for articulated credit or ● A grade of B or higher in each course on 6 or more hours of KDE approved Career and Technical Education dual credit.

Why is it important to be Academically Ready?	Why is it important to be Career-Ready?
<ul style="list-style-type: none"> ● Prepared for success in college level courses ● Avoid remedial classes in college (Average cost of \$3000)* ● Recognition at Senior awards night and in the graduation program. 	<ul style="list-style-type: none"> ● Industry Certifications ● Skills necessary to be successful in the workplace ● Recognition at Senior Awards night and in the graduation program

HOW TO GET THE MOST FROM YOUR SCHEDULE

1. Review your ILP and determine your interests and college/career goals
2. Review the prerequisites for the specific courses you wish to take as a senior also note those for your junior year
3. Keeping your plan in mind- select the electives that would best prepare you for your college/career
4. Lastly, review the required courses and determine your rigor level for those selections [regular, honors or AP]

Basic 4 Year Plan

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Requirements <ul style="list-style-type: none"> • Health/PE • Language Art Eng I • Mathematics Alg I 2 credits • Science Integrated • Social Studies W. Geo or Human Geo AP 	Requirements <ul style="list-style-type: none"> • Language Art Eng II • Mathematics Geometry • Science Bio • Social Studies W. Civ or European AP 	Requirements <ul style="list-style-type: none"> • Language Art Eng III • Mathematics Alg II • Science Chemistry • Social Studies US History or US Hist. AP 	Requirements <ul style="list-style-type: none"> • Language Art Eng IV • Mathematics
Electives 2 1 _____ 2 _____	Electives 4 1 _____ 2 _____ 3 _____ 4 _____	Electives 4 1 _____ 2 _____ 3 _____ 4 _____	Electives 6 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____

NOTES: A Fine Art credit is required for the class of 2023 and beyond.