Program of Studies Guide
2022-2023

Beechwood High School

54 Beechwood Road
Fort Mitchell, KY 41017

(859) 331-1220
(859) 426-3744 (Fax)

2022-2023 Schedule Request Form must be returned by Friday, March 4th

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BEECHWOOD HIGH SCHOOL GRADUATION REQUIREMENTS

Beechwood Minimum Graduation Requirements Plus Pre-College Curriculum Requirements

2022-2023 Schedule Request Form must be returned by Friday, March 4th

Course Type	Credits Required	Courses
English	4	English I, II, III, IV
Math	4	Algebra I, Geometry, Algebra II, and one other math credit
Science	3	Integrated Science or equivalent; Biology; Chemistry OR Physics
Social Studies	3	World or Eupropean History; U.S. History; AND an additional social studies credit
Fine Arts	1	Any fine arts credit
Health/PE	1	Health/PE
Foreign Language	2 for Pre-College Curriculum (PCC)	Two courses of the same language in sequence.
Electives	7	Various
Total	23	

Students are **highly encouraged** to consider completing more than the minimum requirements in all subjects. Think about creating a schedule that is challenging yet offers balance. At Beechwood, we are focused on personalizing courses of study for all students.

Students should keep track of credits needed to graduate; feel free to see a counselor with questions. Students who need credit for graduation should plan to attend summer school to make up any credits needed.

2022-2023 Schedule Request Form must be returned by Friday, March 4th

COURSE SCHEDULING OVERVIEW

- All students request courses from February 18 - March 4, 2022.
- Talk with teachers about the courses you plan to take for the next school year.
- Develop requests (including alternates) based upon teacher recommendations, grades, test scores and interests.
- IMPORTANT: List the courses AND alternates on the Schedule Request Form.
- VERY IMPORTANT: Log-in to Infinite Campus and register for courses.
- Parents/guardians should review the course selections and sign the schedule request form.
- ***In summary, request your courses online, then turn in the completed schedule request form to the office.***
- *HAPPY SCHEDULING!*

2022-2023 Schedule Request Form must be returned by Friday, March 4th

ACADEMIC RECOGNITION AT COMMENCEMENT

Beechwood High School honors students based upon the following standards of achievement:

Beginning with the Class of 2022 and beyond, Beechwood High School will replace the Valedictorian system with an Academic Honors System as outlined below:

- Summa Cum Laude: 4.25 and above
- Magna Cum Laude: 3.8 - 4.24
- Cum Laude: 3.6 - 3.79

Students who achieve the Summa Cum Laude level can apply to speak at Graduation using the criteria below. One student will be selected. Students are not required to apply.

- GPA
- ACT
- Essay
- Leadership experience
- Extracurricular experience
- Volunteer work
- Teacher Recommendation

There will be a committee to review the applications:

- 3 Teachers
- Administrator(s)
- Counselor(s)

ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program® is a cooperative educational endeavor between secondary schools and colleges and universities. Since its inception in 1955, the Program has provided motivated high school students with the opportunity to take college-level courses in a high school setting. Students who participate in the program not only gain college-level skills, but in many cases, they also earn college credit while they are still in high school. AP courses are taught by dedicated and enthusiastic high school teachers who follow course guidelines developed and published by the College Board. In selecting AP courses, the student should consider some of the following points:

1. Is the student eager to extend him or herself?
2. Is the student's past record in the subject promising?
3. Do the parents approve of the student taking the course?
4. Has the student met specific prerequisites for the course?
5. **Is the student willing to handle a demanding workload including extensive reading, writing, and homework?**

For each AP course, an AP Exam is administered. Each AP Exam contains a free-response section (either essay or problem-solving) and a section of multiple-choice questions. The modern language exams also have a speaking component, and the AP Music Theory Exam includes a sight-singing task. Each AP Exam is given an overall grade of 1, 2, 3, 4, or 5, with 5 indicating a student who is extremely well qualified to receive college credit and/or advanced placement based on an AP Exam grade.
All students taking an AP class are required to take the AP exam in May. The fee for each exam is approximately $100.

AP classes cannot be dropped after July 15th.

Beechwood High School currently offers the following Advanced Placement courses:

AP Calculus AB
AP Calculus BC
AP Statistics
AP Computer Science Principles
AP Computer Science A

AP Biology
AP Chemistry
AP Environmental Science
AP Physics I
AP Seminar
AP English Language & Composition
AP English Literature & Composition

AP Latin
AP Spanish Language

AP Music Theory
AP Art History
AP Art and Design

AP European History
AP Human Geography
AP Psychology
AP U.S. History
AP World History
AP U.S. Government and Politics

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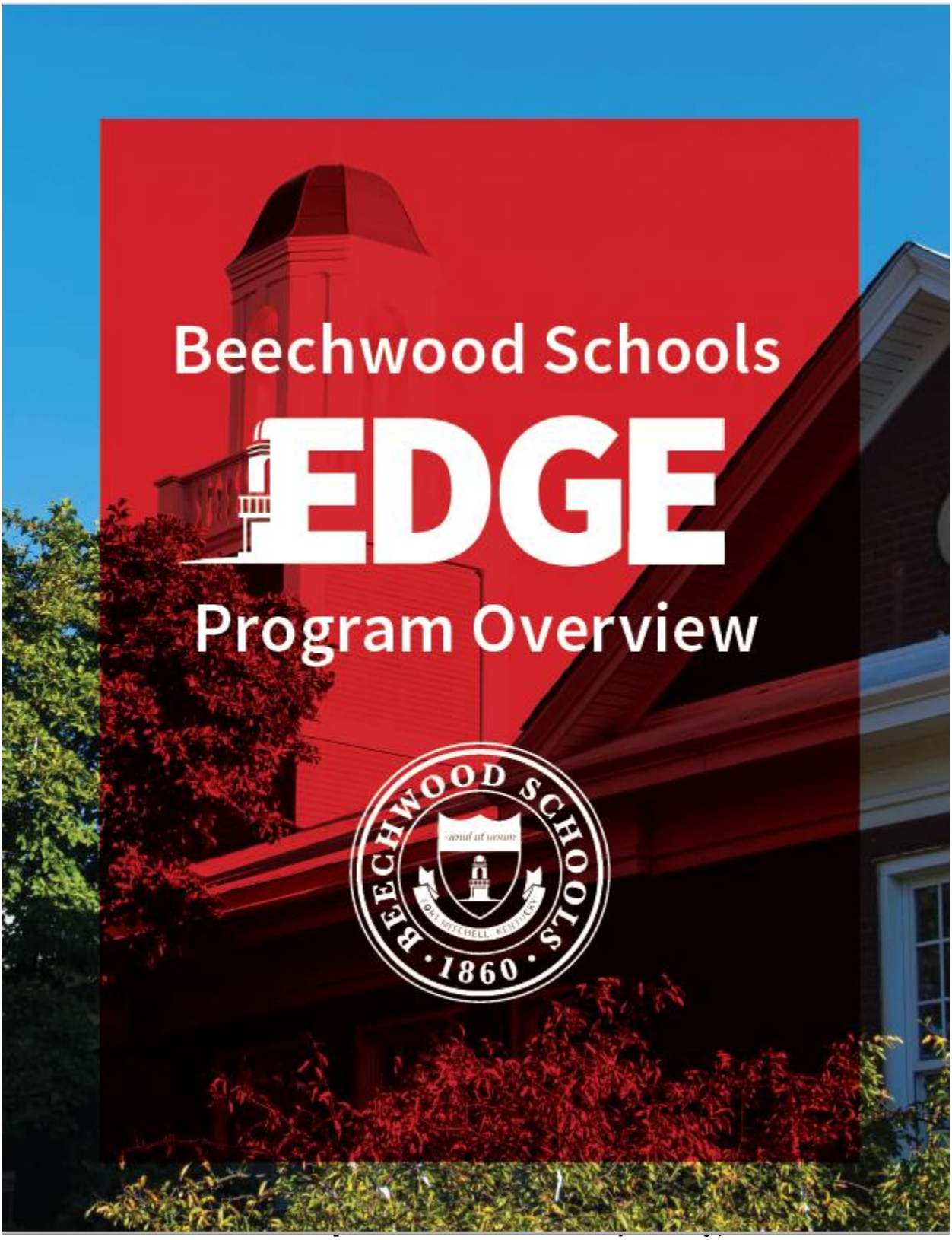
Beechwood Schools
EDGE
Program Overview
BEECHWOOD SCHOOLS
1860

A Note From Dr. Stacy

Our goal at Beechwood is to foster a positive relationship between all members of the school community, including staff, students, parents, and guardians. We recognize that schools cannot improve student achievement and maximize growth alone; families and community play a significant role in their children's education. Simply put, students are more successful in school and life when their families and communities are engaged in their education. It is our goal that these documents increase the partnership, communication, and understanding among home, community, and school. If and when you have questions, please reach out to your teacher and/or administrator. Anyone of us will be more than happy to discuss the specifics of this document or help answer any questions you might have. We are all partners in the students' educational and leadership journey.

THE BEECHWOOD EDGE PROGRAM INTRODUCTION

EDUCATIONAL DESIGN GEARED TOWARD EXPERIENCE

As a part of the Continuous Improvement Plan, Three-year Strategic Plan, and The Beechwood Way, we aim to develop globally competitive students. Moreover, we acknowledge that growth as a leader and learner is more complex than mastery of reading and math alone. Based on what our students, parents, community, and region told us, we began considering ways to enhance the experience for all students at Beechwood.

The Beechwood EDGE addresses the following: To be globally competitive, our children need exposure to new content, problem solving, industry engagement, and leadership opportunities. As we continue to be innovative, we worked with universities and industry to determine what would give all of our students an "edge." There was a clear consensus: we need to provide opportunities for experiential learning to develop next-generation skills. The district has now integrated the rigor of college prep content with experiential learning to provide intellectual richness and flexibility, while maintaining the integrity of our high academic standards.

The EDGE Program focuses on a set of core concepts that are embedded throughout the curriculum - Preschool through 12th grade.

Based upon our research with universities and industry, students are lacking these skills upon entrance into college and the workforce. The core concepts will allow ALL students to flourish in their post-secondary lives - regardless of their college or career choice. Again, we are maintaining high expectations and rigor, while allowing students to go through a curriculum that is also focused on rich experiences. The EDGE program supplements our strong foundation of English, math, science, and social studies. Each business and university partner has helped us to develop an experiential-learning curriculum, which will help us to better prepare, engage, and retain our talent for leadership in the region.

GIVING OUR STUDENTS AN EDGE

The EDGE Program begins in Pre-K and runs through 12th grade for **ALL** students.

- Students will experience a personalized, learner-centered design.
- We will focus on developing skills that are transferable across real world settings.
- We will implement a challenge-based curriculum that embeds the core concepts.
- We will ensure a hybrid of rigorous content with a rich experiential curriculum.
- We will engage the community, businesses, industry, and university for curriculum development and experience alignment; multiple universities and over 25 business partners have helped us to develop an innovative, challenge-based curriculum centered around the core concepts.
- Students will build a portfolio and evidence-based documentation of their Pre-K through 12 EDGE experience.
- Students are assessed through their process of reflection on the application and synthesis of core concepts.

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ELEMENTARY

WHERE THE EDGE BEGINS - BUILDING CORE CONCEPTS

The EDGE begins in Pre-K, which adopts a goal that 100% of its students will experience individualized learning opportunities. Teachers will design and create innovative learning experiences for understanding. Core concepts will be embedded across all academic settings. By introducing and incorporating these core concepts throughout the elementary curriculum, students can start to build a foundation for success at every transition in the EDGE program and beyond.

SEMINAR

BUILDING AND APPLYING THE CORE CONCEPTS WITH EXPOSURE TO REGIONAL PARTNERS

Seminar is a 5th - 8th grade curriculum that refines the Core Concepts through a series of increasingly complex challenges. These challenges engage students in the Iterative Design Process as a tool for effective problem solving. Industry partners supply real-world challenges that help Seminar students apply their skills to create a meaningful and professional solution.

8TH GRADE SEMINAR

THE TRANSITION YEAR

Seminar in 8th grade takes the core concepts and applies them to a year-long study of multiple post-secondary fields, incorporating the same Seminar Challenge Process developed in 5th - 7th grades. The fields of study mirror the "minor" classes that students have an opportunity to take in high school. The idea of 8th grade Seminar is to give students an experience with each post-secondary field and to allow them to work with industry partners to complete challenges that they currently face. The school year culminates with a project based on their 9th grade minor choice.

HIGH SCHOOL MINORS

APPLYING THE CORE CONCEPTS TO A PERSONALIZED COURSE OF STUDY

At the end of the 8th grade year, students will be able to choose a minor. The "minor" at Beechwood is a three-year specialized course of study that will allow all students to develop the core concepts through an innovative curriculum that is designed around experience. This uniquely personalized curriculum has been developed and aligned with our university and industry partners. If a student completes the three-year course of study, then he or she is eligible to have a 4th year internship, early college, or dual credit that has been aligned to his/her minor. With personalization at the forefront, students may choose whether or not to enter into a "minor" while in high school.

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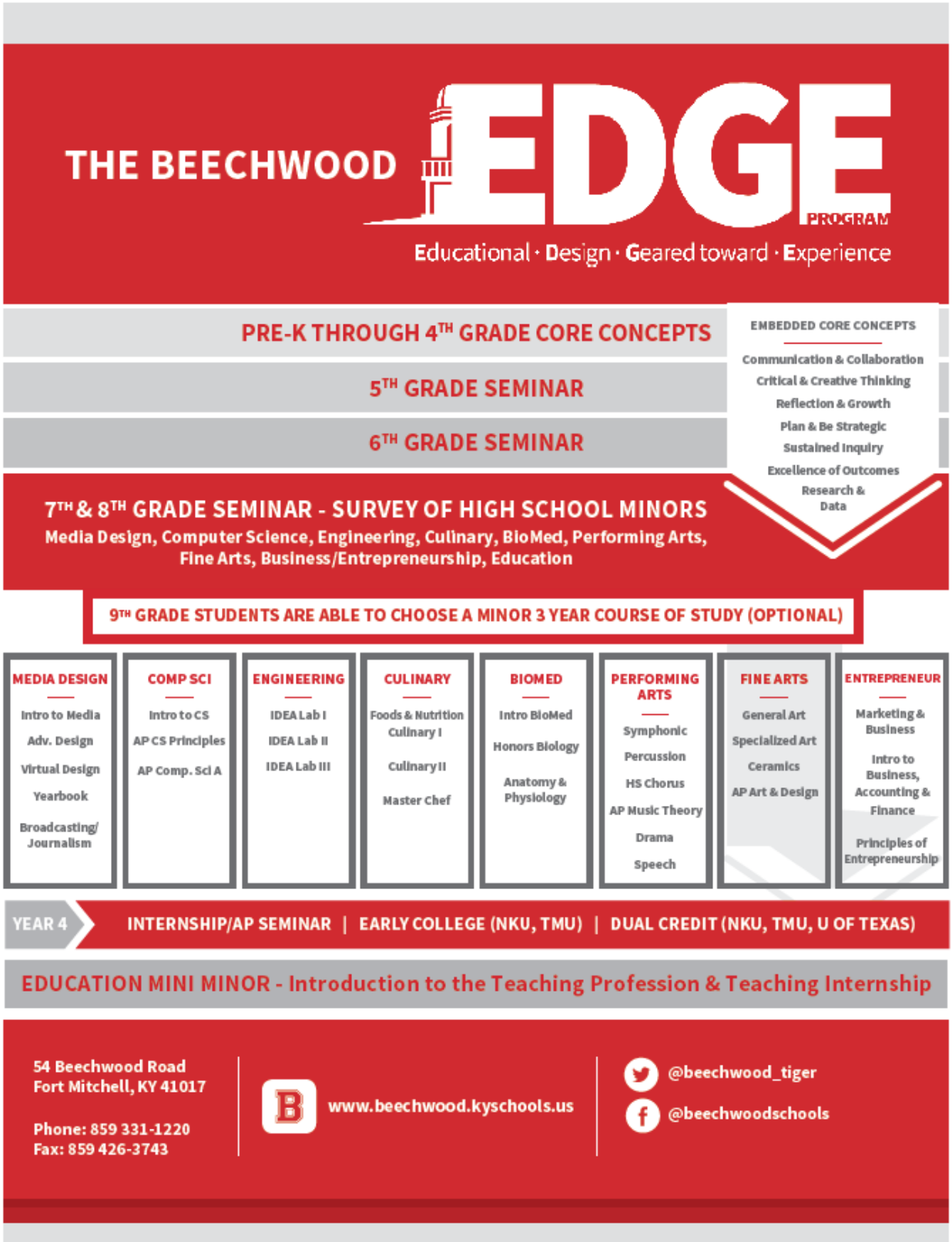

2022-2023 Schedule Request Form must be returned by **Friday, March 4th**

12th Grade Scheduling Form

Name: _____

PLEASE MARK A TOTAL OF 7 COURSES AND LIST 2 ALTERNATES.

AP course drop requests must be submitted by July 15th and students are required to take the AP exam. Requests to change non-AP courses may be requested through the first two weeks of the new school year. All students and parents are welcome to discuss teacher recommendations. All students should have spoken with their current teacher for recommendations for next year. Please reach out to the teachers with questions or concerns.

Required Course Requests – Choose one English course and at least one math course from this section.

ENGLISH

_____ 03041 English IV
_____ 03042 AP English Literature and Composition

MATHEMATICS

_____ 08043 Mathematics Concepts
_____ 08051 Pre-Calculus
_____ 08062 AP Statistics
_____ 08072 AP Calculus AB
_____ 08082 AP Calculus BC
_____ 02031 AP Computer Science Principles
_____ 02032 AP Computer Science A

Elective Course Requests

SCIENCE

_____ 09042 AP Biology
_____ 09032 Chemistry
_____ 09033 AP Chemistry
_____ 09051 Physics
_____ 09052 AP Physics
_____ 09072 AP Environmental Science

SOCIAL STUDIES

_____ 10012 AP Human Geography
_____ 10022 AP World History
_____ 10032 AP U.S. History
_____ 10052 AP Psychology
_____ 10023 AP European History* *This course is 2nd semester only; students will have a study hall 1st semester.*

WORLD LANGUAGES **teacher approval required for an independent study*

_____ 06011 Latin I
_____ 06012 Latin II
_____ 06013 Latin III
_____ LAT201 Dual Credit Latin
_____ 06014 AP Latin
_____ 06015 Latin Independent Study*
_____ 06031 Spanish I
_____ 06032 Spanish II
_____ 06033 Spanish III
_____ 06035 Spanish Independent Study*
_____ 06034 AP Spanish Language

PRACTICAL LIVING/CAREER STUDIES

_____ 02011 Digital Literacy
_____ 07022 Advanced P.E./Fitness Conditioning
_____ 05059 Intro to the Teaching Prof.

DUAL CREDIT – NKU, Gateway, TMC

_____ 5463 Dual Credit 2022-2023

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OTHER

_____ 01191 Help Desk Operations
_____ 12008 Math Help Desk
_____ 12013 Study Hall (no credit)
_____ 12011 Office/Teacher Aide (no credit)
_____ 02042 Internship (2 periods)

BOONE COUNTY AREA TECHNOLOGY CENTER

_____ 14011 Auto Tech Maintenance
_____ 14021 Diesel Technology I
_____ 14022 Diesel Technology II
_____ 14031 Electrical Technology I
_____ 14032 Electrical Technology II
_____ 14041 Health Sciences
_____ 14051 Metal Fabrication I
_____ 14052 Metal Fabrication II
_____ 14061 Welding I
_____ 14062 Welding II
_____ 14071 Machine Tool Technology I
_____ 14072 Machine Tool Technology II

DESIGN

**course has out of class requirements*

_____ 01101 Intro to Media Design
_____ 01111 Moving Image Animation
_____ 01121 Virtual Design
_____ 01141 Yearbook* (application required)
_____ 03103 Broadcasting/Journalism*

PERFORMING ARTS

**course has out of class requirements*

_____ 01161 Speech/Drama*
_____ 01071 Symphonic Band*
_____ 01072 Percussion Methods*
_____ 01091 AP Music Theory
_____ 01081 Chorus*

ENGINEERING

_____ 09082 IDEA Lab
_____ 09092 IDEA Lab II
_____ 09093 IDEA Lab III

ENTREPRENEURSHIP

_____ 02022 Marketing & Business Essentials
_____ 02023 Intro to Business, Accounting, & Finance*
**This is also a Thomas More dual credit course – BUA 105*
_____ 02024 Principles of Entrepreneurship

FINE ARTS

_____ 01011 General Art
_____ 01021 Specialized Art
_____ 01022 Ceramics
_____ 01032 AP Studio Art

COMPSCI

_____ 02033 Intro to Computer Science
_____ 02031 AP Computer Science Principles
_____ 02032 AP Computer Science A
_____ 02034 C++

BIOMED

_____ 09075 Intro to BioMed
_____ 09074 Anatomy & Physiology

CULINARY

**course has out of class requirements*

_____ 05051 Foods and Nutrition/Culinary I
_____ 05052 Culinary Arts II
_____ 05053 Master Chef*

ALTERNATES – Required:

1) _____ 2) _____

_____ _____ _____
Parent/Guardian Signature Date Student Signature

2022-2023 Schedule Request Form must be returned by Friday, March 4th

11th Grade Scheduling Form Name: _____

PLEASE MARK A TOTAL OF 7 COURSES AND LIST 2 ALTERNATES.

AP course drop requests must be submitted by July 15th and students are required to take the AP exam. Requests to change non-AP courses may be requested through the first two weeks of the new school year. All students and parents are welcome to discuss teacher recommendations. All students should have spoken with their current teacher for recommendations for next year. Please reach out to the teachers with questions or concerns.

Required Course Requests – Choose one English and social studies course as well as at least one math and science course from this section.

ENGLISH

_____ 03031 English III
_____ AP English Seminar (see description p. 29)

(During your senior year, both AP English Language and AP English Literature will be offered.)

MATHEMATICS

_____ 08031 Algebra II
_____ 08032 Honors Algebra II
_____ 08062 AP Statistics
_____ 08051 Pre-Calculus
_____ 08072 AP Calculus AB
_____ 08082 AP Calculus BC

SCIENCE

_____ 09032 Chemistry
_____ 09051 Physics

SOCIAL STUDIES

_____ 10031 United States History
_____ 10032 AP U.S. History
_____ 10023 AP European History* *This course is 2nd semester only; students will have a study hall 1st semester.*

Elective Course Requests

SCIENCE

_____ 09042 AP Biology
_____ 09033 AP Chemistry
_____ 09072 AP Environmental Science
_____ 09052 AP Physics

SOCIAL STUDIES

_____ 10052 AP Psychology

WORLD LANGUAGES **teacher approval required for an independent study*

_____ 06011 Latin I
_____ 06013 Latin III
_____ 06014 AP Latin
_____ 06031 Spanish I
_____ 06033 Spanish III
_____ 06034 AP Spanish Language
_____ 06012 Latin II
_____ LAT201 Dual Credit Latin
_____ 06015 Latin Independent Study*
_____ 06032 Spanish II
_____ 06035 Spanish Independent Study*

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OTHER

_____ 02011 Digital Literacy
_____ 01191 Help Desk Operations
_____ 12008 Math Help Desk
_____ 5463 Dual Credit 2022-2023
_____ 05059 Intro to the Teaching Prof.
_____ 12013 Study Hall (no credit)

BOONE COUNTY AREA TECHNOLOGY CENTER

_____ 14011 Auto Tech Maintenance
_____ 14022 Diesel Technology II
_____ 14032 Electrical Technology II
_____ 14051 Metal Fabrication I
_____ 14061 Welding I
_____ 14071 Machine Tool Technology I
_____ 14021 Diesel Technology I
_____ 14031 Electrical Technology I
_____ 14041 Health Sciences
_____ 14052 Metal Fabrication II
_____ 14062 Welding II
_____ 14072 Machine Tool Technology II

DESIGN

**course has out of class requirements*

_____ 01101 Intro to Media Design
_____ 01111 Moving Image Animation
_____ 01121 Virtual Design
_____ 01141 Yearbook*(application required)
_____ 03103 Broadcasting/Journalism*

PERFORMING ARTS

**course has out of class requirements*

_____ 01161 Speech/Drama*
_____ 01071 Symphonic Band*
_____ 01072 Percussion Methods*
_____ 01091 AP Music Theory
_____ 01081 Chorus*

ENGINEERING

_____ 09082 IDEA Lab
_____ 09092 IDEA Lab II
_____ 09093 IDEA Lab III

ENTREPRENEURSHIP

_____ 02022 Marketing & Business Essentials
_____ 02023 Introto Business, Accounting, & Finance*
**This is also a Thomas More dual credit course – BUA 105*
_____ 02024 Principles of Entrepreneurship

FINE ARTS

_____ 01011 General Art
_____ 01021 Specialized Art
_____ 01022 Ceramics
_____ 01032 AP Studio Art

COMPSCI

_____ 02033 Intro to Computer Science
_____ 02031 AP Computer Science Principles
_____ 02032 AP Computer Science A
_____ 02034 C++

BIOMED

_____ 09075 Intro to BioMed
_____ 09074 Anatomy & Physiology

CULINARY

**course has out of class requirements*

_____ 05051 Foods & Nutrition/Culinary I
_____ 05052 Culinary Arts II
_____ 05053 Master Chef*

ALTERNATES – Required:

1) _____ 2) _____

_____ _____ _____
Parent/Guardian Signature Date Student Signature

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10th Grade Scheduling Form Name: _____

PLEASE MARK A TOTAL OF 7 COURSES AND LIST 2 ALTERNATES.

AP course drop requests must be submitted by July 15th and students are required to take the AP exam. Requests to change non-AP courses may be requested through the first two weeks of the new school year. All students and parents are welcome to discuss teacher recommendations. All students should have spoken with their current teacher for recommendations for next year. Please reach out to the teachers with questions or concerns.

Required Course Requests – Choose one English and social studies course as well as at least one math and science course from this section.

ENGLISH

_____ 03021 English II
_____ 03022 Honors English II

MATHEMATICS

_____ 08021 Geometry
_____ 08022 Honors Geometry
_____ 08062 AP Statistics
_____ 08032 Honors Algebra II
_____ 08051 Pre-Calculus

SCIENCE

_____ 09021 Biology
_____ 09032 Chemistry
_____ 09022 Honors Biology **BioMed Focus*
_____ 09051 Physics

SOCIAL STUDIES

_____ 10021 World History
_____ 10022 AP World History

Elective Course Requests

SCIENCE

_____ 09072 AP Environmental Science

WORLD LANGUAGES **teacher approval required for an independent study*

_____ 06011 Latin I
_____ 06013 Latin III
_____ 06014 AP Latin
_____ 06031 Spanish I
_____ 06033 Spanish III
_____ 06034 AP Spanish Language
_____ 06012 Latin II
_____ LAT201 Dual Credit Latin
_____ 06015 Latin Independent Study*
_____ 06032 Spanish II
_____ 06035 Spanish Independent Study*

OTHER

_____ 02011 Digital Literacy
_____ 05011 FCS Essentials
_____ 12013 Study Hall (no credit)

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DESIGN

_____ 01101 Intro to Media Design
_____ 01111 Moving Image Animation
_____ 01121 Virtual Design

PERFORMING ARTS

course has out of class requirements

_____ 01161 Speech/Drama*
_____ 01071 Symphonic Band*
_____ 01072 Percussion Methods*
_____ 01091 AP Music Theory
_____ 01081 Chorus*

ENGINEERING

_____ 09082 IDEA Lab
_____ 09092 IDEA Lab II

ENTREPRENEURSHIP

_____ 02022 Marketing & Business Essentials
_____02023 Intro to Business, Accounting, & Finance*

**This is also a Thomas More dual credit course – BUA 105*

FINE ARTS

_____ 01011 General Art
_____ 01021 Specialized Art
_____ 01022 Ceramics
_____ 01032 AP Studio Art

COMPSCI

_____ 02033 Intro to Computer Science
_____ 02031 AP Computer Science Principles

BIOMED

_____ 09075 Intro to BioMed

CULINARY

_____ 05051 Foods & Nutrition/Culinary I

ALTERNATES – Required:

1) _____ 2) _____

_____ _____ _____
Parent/Guardian Signature Date Student Signature

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9th Grade Scheduling Form

Name: _____

PLEASE MARK A TOTAL OF 7 COURSES AND LIST 2 ALTERNATES.

AP course drop requests must be submitted by July 15th and students are required to take the AP exam. Requests to change non-AP courses may be requested through the first two weeks of the new school year. All students and parents are welcome to discuss teacher recommendations. All students should have spoken with their current teacher for recommendations for next year. Please reach out to the teachers with questions or concerns.

Required Course Requests – Choose one English, social studies, and health/PE course as well as at least one math and science course from this section.

ENGLISH

_____ 03011 English I

_____ 03012 Honors English I

MATHEMATICS

_____ 08011 Algebra I

_____ 08012 Honors Algebra I

_____ 08022 Honors Geometry

_____ 08032 Honors Algebra II
(must meet pre- or co- requisites)

SCIENCE

_____ 09011 Integrated Science

_____ 09022 Honors Biology **BioMed Focus*

_____ 09021 Biology

SOCIAL STUDIES

_____ 10011 Human & Cultural Geography

_____ 10012 AP Human Geography

HEALTH/P.E.

_____ 07011 Health/P.E. (traditional)

_____ 07031 Health/P.E. (Performance-Based)**

***Those choosing the Health/P.E. Performance-Based option must be included on the team roster of cheer, marching band, colorguard/winterguard, or any KHSAA-approved sport (sans Esports). Student must successfully complete a full season of the extracurricular activity in order to receive credit. The Health portion of this credit will be completed using APEX, our online learning platform. Students will have a study hall period in their schedule to accommodate this online learning. They do not need to choose study hall if choosing this option; it will automatically be added to their schedule.*

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Elective Course Requests

WORLD LANGUAGES

_____ 06011 Latin I
_____ 06012 Latin II
_____ 06031 Spanish I
_____ 06032 Spanish II

OTHER

_____ 02011 Digital Literacy
_____ 12013 Study Hall (no credit)
_____ 05011 FCS Essentials

DESIGN

_____ 01101 Intro to Media Design

PERFORMING ARTS

**course has out of class requirements*

_____ 01161 Speech/Drama*
_____ 01071 Symphonic Band*
_____ 01072 Percussion Methods*
_____ 01081 Chorus*

ENGINEERING

_____ 09082 IDEA Lab

ENTREPRENEURSHIP

_____ 02022 Marketing & Business Essentials
_____ 02023 Accounting & Finance Foundations

FINE ARTS

_____ 01011 General Art
_____ 01021 Specialized Art

COMPSCI

_____ 02033 Intro to Computer Science

BIOMED

_____ 09075 Intro to BioMed

CULINARY

_____ 05051 Foods & Nutrition/Culinary I
(only permitted as a freshman if you are enrolled in FCS Essentials as an 8th grader)

ALTERNATES – Required:

1) _____ 2) _____

_____ _____ _____
Parent/Guardian Signature Date Student Signature

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8th Grade Scheduling Form

Name: _____

PLEASE MARK A TOTAL OF 7 COURSES AND LIST 2 ALTERNATES.

*** Students must earn a B or higher in a high school course in order to earn high school credit. High school courses will first be filled with 9th-12th grade students.** Eighth grade students may be blocked from taking a particular course due to class size and staffing. Students who are performing below grade level may be automatically placed into English and/or Math Lab as their 7th course. All students should have spoken with their current teacher for recommendations for next year. Please reach out to the teachers with questions or concerns.

Required Course Requests – Choose English, social studies, and seminar as well as at least one math and science course from this section.

ENGLISH

_____ 03081 English 8

_____ 03083 Honors English 8

MATHEMATICS

_____ 08081 8th Grade Mathematics

_____ 08011 Algebra I* *(HS course)*

_____ 08012 Honors Algebra I* *(HS course)*

SCIENCE

_____ 09081 Middle School Science B

_____ 09011 Integrated Science* *(HS course)*

SOCIAL STUDIES

_____ 10081 Social Studies 8 (required)

SEMINAR

_____ 13051 Seminar 8 (required)

Elective Course Requests

MIDDLE SCHOOL ELECTIVES

**course has out of class requirements*

_____ 01061 Band 8*

_____ 01081 Middle School Chorus*

_____ 07081 P.E. 8

_____ 03072 Middle School Speech & Debate

_____ 06010 Middle School Latin

_____ 10091 Survey of Regional History

_____ 01012 Middle School Art

HIGH SCHOOL LEVEL ELECTIVES FOR 8th GRADE *(see note at the top of this form)*

_____ 06011 Latin I

_____ 01101 Intro to Media Design

_____ 06031 Spanish I

_____ 01011 General Art

_____ 05011 FCS Essentials

_____ 02011 Digital Literacy

ALTERNATES – Required:

1) _____

2) _____

_____ _____ _____

Parent/Guardian Signature | Date | Student Signature

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7th Grade Scheduling Form

Name: _____

PLEASE MARK A TOTAL OF 7 COURSES AND LIST 2 ALTERNATES.

Students who are performing below grade level may be automatically placed into English and/or Math Lab as their 7th course. All students should have spoken with their current teacher for recommendations for next year. Please reach out to the teachers with questions or concerns.

Required Course Requests

ENGLISH *(will be pre-populated in Infinite Campus)*

_____ 03071 English 7 OR _____ 03072 Honors English 7

MATHEMATICS *(will be pre-populated in Infinite Campus)*

_____ 08071 Math 7 OR _____ 08172 Honors Math 7

SCIENCE

_____ 09071 Middle School Science A (required)

SOCIAL STUDIES

_____ 10071 Social Studies 7 (required)

HEALTH/P.E.

_____ 07071 Health/P.E. 7 (required)

SEMINAR

_____ 13011 Seminar 7 (required)

Elective Course Requests (choose 1)

**course has out of class requirements*

_____ 01012 Middle School Art
_____ 01061 Band 7*
_____ 01082 MS Chorus*
_____ 06010 Middle School Latin
_____ 03072 Middle School Speech & Debate
_____ 10091 Survey of Regional History
_____ 09081 Middle School Science B

(must be taken with Middle School Science A & must have average to above average scores on MAP Testing)

ALTERNATES – Required:

1) _____ 2) _____

_____ _____ _____

Parent/Guardian Signature Date Student Signature

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ARTS & HUMANITIES COURSES

Course: Middle School Art
Level: Regular Credit: N/A Prerequisite: N/A
Description:
Students are introduced to the basic fundamentals of artistic expression. The course is an introduction to various visual arts techniques and media. A study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in peer review through the critique process, presentation or their, responding to art and connecting their art to the world around them are included.

Course: General Art
Level: Regular Credit: 1 Prerequisite: N/A
Description:
Creative Arts courses provide students with knowledge and opportunities to explore a variety of art forms and to create individual works of art. Courses address design elements and principles, media, and techniques used to produce various kinds of visual arts. As students advance they are encouraged to develop their own creative styles. Although the focus of most of these courses is on production of art; study of art history, criticism and aesthetics are also included. Career opportunities in visual art are also explored. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Course: Specialized Art I
Level: Regular Credit: 1 Prerequisite: General Art
Description:
This course is for students who have successfully completed the General Art course. These students have an expressed interest in continuing work in visual art. Units are developed around the advanced 2D and 3D processes of art. Art criticism and aesthetics are incorporated with studio instruction. In this course, students study the structural components of art (elements and principles), the historical and cultural context, the purposes for creating the art, and artistic processes. Through study of the arts, students have the opportunity to gain insight, appreciation, and understanding of the world, past and present, and their own cultural heritage.

Course: Ceramics
Level: Regular Credit: 1 Prerequisite: Sophomore or higher standing
Description:
Students will learn clay hand-building techniques such as pinch, coiling, relief, and slab building. Students will have to opportunity to learn techniques on the potter's wheel.

Course: AP Art and Design-Drawing Portfolio
Level: Advanced Credit: 1 Prerequisite: General Art and Specialized Art
Description:
The Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract and observational works may demonstrate drawing competence. Work submitted in the Drawing Portfolio that incorporates digital or photographic processes must address issues such as those listed above, as well as mark-making. A portfolio must be submitted to the College Board for evaluation to be considered for college credit.

Course: AP Art and Design -Two Dimensional Design
Level: Advanced Credit: 1 Prerequisite: General Art and Specialized Art or Advanced Media Design classes
Description:
This portfolio is intended to address two-dimensional (2-D) design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. The principles of design articulated through the visual elements help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. Students are to demonstrate mastery of 2-D design through any 2-D medium or process (e.g. graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking). A portfolio must be submitted to the College Board to be considered for college credit.

Course: AP Art and Design -Three Dimensional Design
Level: Advanced Credit: 1 Prerequisite: General Art and Specialized Art or Ceramics
Description:
Three Dimensional Design Portfolio is intended to address sculptural issues. In the 3-D Design Portfolio, students demonstrate a mastery of design principles as they relate to the integration of depth and space, volume and surface. The principles of design are articulated through the visual elements. For this portfolio, students are asked to demonstrate mastery of 3-D design through any three-dimensional approach, including, but not limited to, figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage, and 3-D fabric/fiber arts. AP Studio Art -Three Dimensional design evaluations require submission of a portfolio of artwork exemplifying talent in 3-D design concepts in order to be considered for college credit.

Course: Concert Band 7
Level**:** Regular Credit: N/A Prerequisite: N/A
Description:
Courses in Concert Band are designed to promote students' playing technique for brass, woodwind, and percussion instruments, and cover a variety of music styles primarily for concert performances. Course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music.
**Out of school performances and/or rehearsals are required for successful completion of this course.*

Course: Concert Band 8
Level**:** Regular Credit: N/A Prerequisite: N/A
Description:
Courses in Concert Band are designed to promote students' playing technique for brass, woodwind, and percussion instruments, and cover a variety of music styles primarily for concert performances. Course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music.

Out of school performances and/or rehearsals are required for successful completion of this course.

Course: Symphonic Band
Level: Regular Credit: 1 Prerequisite: N/A
Description:
Courses in Symphonic Band are designed to promote students' playing technique for brass and woodwind instruments and cover a variety of music styles primarily for concert performances. Literature for Symphonic Band courses is usually more advanced and incorporates orchestral literature transcribed for band. Course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music.
Out of school performances and/or rehearsals are required for successful completion of this course.

Course: AP Music Theory
Level: Advanced Credit: 1 Prerequisite: HS Band, HS Percussion, or HS Chorus
Description:
Courses in AP Music Theory are designed to be the equivalent of a first-year music theory college course. AP Music Theory develops student's understanding of musical structure and compositional procedures. Usually intended for students already possessing performance-level skills, AP Music Theory extends and builds upon students' knowledge of intervals, scales, chord structures, meter and rhythm patterns, and their interaction in musical compositions. Music notation, analysis, composition, and aural skills are important components of the course.

Course: Percussion Methods
Level: Regular Credit: 1 Prerequisite: N/A
Description:
This course is designed for percussionists only and exposes students to the fundamentals of percussion performance. Students will learn technique and perform on a wide variety of percussion instruments while studying appropriate music theory and literature. Out of school performances are required for successful completion of this course. All students are required to perform with the Symphonic Band and Percussion Ensemble in rehearsals and concerts.
Out of school performances and/or rehearsals are required for successful completion of this course.

Course: Chorus
Level: Regular Credit: 1 Prerequisite: N/A
Description:
Chorus provides the opportunity to sing and perform a variety of music styles for men's and/or women's voices and are designed to develop vocal techniques and abilities. Course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music. **Out of school performances and/or rehearsals are required for successful completion of this course.*

Course: Middle School Chorus
Level: Regular Credit: N/A Prerequisite: N/A
Description:
Middle School Chorus provides the opportunities for students to develop vocal technique, musicianship skills, as well as music reading and writing skills. This is a performance based course. **Out of school performances and/or rehearsals are required for successful completion of this course.*

Course: High School Speech/Drama
Level : Regular Credit: 1 Prerequisite: N/A
Description:
Forensics: This performance-based class will focus on speech and debate for the first semester and drama for the second semester. Special topics include the following: original oratory, impromptu speaking, broadcast announcing, poetry and prose interpretation, storytelling, extemporaneous speaking, debate techniques.
Drama: This course will include analysis of dramatic literature, performance skills, and technical theater skills. The mid-term and final exams for this class will include a public performance on dates TBA. **All students must participate in the public performance.*

Course: Middle Grades Speech and Debate
Level: Regular Credit: N/A Prerequisite: N/A
Description:
This course will develop and improve public speaking, as well as argumentative, and critical thinking skills in communication settings. Students will prepare and deliver speeches and participate in debates and forums on current topics. Techniques to control speech anxiety and to structure and organize information in order to present to a variety of audiences will be taught. As such, the fundamentals of physical and vocal delivery skills, use of language and gesturing, as well as listening skills are addressed in this course.

MEDIA DESIGN:

The Interactive Media pathway prepares students to use computer applications and related visual and sound imaging techniques to manipulate images and information originating as video, still photographs, digital copy, soundtracks, and physical objects in order to communicate messages simulating real-world content. The pathway includes instruction in specialized camerawork and equipment operation and maintenance, image capture, computer applications, dubbing, and applications to specific commercial, industrial, and entertainment needs. Topics of study in this pathway include aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation, and programming of interactive experiences; transmission, distribution and marketing; contextual, cultural and historical aspects and considerations.

Course: Intro to Media Design

Level: Regular Credit: 1 Prerequisite: General Art Recommended

Description:

This course focuses on introducing students to basic computer graphics programs. Students gain knowledge and experience in using these programs to create projects for print and for internet viewing. The course also focuses on technology as it relates to prevalent professional careers in the arts (i.e. Advertising, Industrial Design, Graphic Design, 3D animation, and Video, etc.). Software programs used in class include Photoshop, Illustrator, Dreamweaver, Maya, and PowerPoint. Students begin to develop professional quality portfolios that can be used for college admissions.

Course: Moving Image Animation/Adv Media Design

Level: Regular Credit: 1 Prerequisite: Intro to Media Design

Description:

Knowledge of software introduced in Intro to Media Design (Photoshop, Illustrator, Dreamweaver, and Maya) is reviewed and expanded. New software including Animate and Premiere are introduced. One quarter is devoted to in-depth study of a program of choice. Students design and complete a profession quality portfolio that can be used for college admissions.

Course: Virtual Design

Level: Regular Credit: 1

Prerequisite: Prefer to take after Moving Image Anim./Adv. Media Arts

Description:

The creative and conceptual aspects of designing and producing simulative, virtual, 3D media arts experiences, products and services, including: environments, structures, objects, architecture and ecologies, virtual and augmented reality.

Course: Yearbook Production I & II

Level: Regular Credit: 1

Prerequisite: Junior/Senior standing, application process is required for this class with a requested commitment of 2 years for all incoming junior applicants.

Description:

These classes are offered to juniors and seniors who have demonstrated strong English (speaking and writing) skills, initiative, responsibility, creativity, and willingness and ability to work well with their peers and teachers. Staff members are responsible for two major publications: the elementary yearbook and the high school yearbook. This course will expose the students to a variety of experiences, including the following: organization, planning, brainstorming, interviewing, writing, photography, computer application-yearbook avenue, graphics and design, teamwork, etc. Leadership Positions available for Senior members of the class who have successfully completed Yearbook 1. Positions include: Social Media Editor, Business Editor, Production Editor.

**This course will have out-of-class requirements.*

Course: Broadcasting/Journalism

Level: General Credit: 1 Prerequisite: 11th or 12th grade student

Description:

Content for this course may vary but may include researching, reporting, writing, filming/recording and editing in digital and/or online formats. Students will write and produce a newscast and learn aspects of broadcasting/journalism in collaboration with EDGE program partners.

ENGLISH COURSES

Course: English 7
Level: Regular Credit: N/A Prerequisite: N/A
Description:
Middle level English/Language Arts is designed to present a wide range of reading experiences with print and non-print text for a variety of purposes. In this course students use the writing process and criteria for effective writing to write in a variety of modes (narrative, explanatory, argumentative) attending to task, purpose, and audience. The integration of inquiry skills and technology with the other strands allows students to continue to discover and communicate ideas and information. Course adheres to Kentucky Academic Standards requirements.

Course: English 8
Level: Regular Credit: N/A Prerequisite: N/A
Description:
Middle level English/Language Arts is designed to present a wide range of reading experiences with print and non-print text for a variety of purposes. In this course students use writing process and criteria for effective writing to write in a variety of modes (narrative, explanatory, argumentative) attending to task, purpose, and audience. The integration of inquiry skills and technology with the other strands allows students to continue to discover and communicate ideas and information. Course adheres to Kentucky Core Academic Standard requirements.

Course: English I
Level: Regular Credit: 1 Prerequisite: English 8
Description:
This course is designed to present a wide range of reading experiences with print and non-print text for a variety of purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of modes and for multiple audiences and purposes. Students use many strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. Course adheres to Kentucky Academic Standards requirements.

Course: Honors English I
Level: Advanced Credit: 1 Prerequisite: English 8
Description:
This course is designed to present a wide range of reading experiences with print and non-print materials for a variety of purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of modes and for multiple audiences and purposes. Students use many strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. Course adheres to Kentucky Academic Standards requirements. This course presents more challenging material than English I and requires more independent study.

Course: English II

Level: Regular Credit: 1 Prerequisite: English I or Honors English I

Description:

This course is designed to present a wide range of reading experiences with print and non-print materials for a variety of purposes. The course also requires students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of modes and for multiple audiences and purposes. Students use many strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. The course adheres to Kentucky Academic Standards requirements.

Course: Honors English II

Level: Advanced Credit: 1 Prerequisite: Eng. I or Honors Eng. I

Description:

This course is designed to present a wide range of reading experiences with print and non-print materials for a variety of purposes. The course also requires students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use many strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. The course adheres to Kentucky Academic Standards requirements. Teacher recommendation is advised for this course. This course presents more challenging material than English II and requires more independent study.

Course: English III

Level: Regular Credit: 1 Prerequisite: English II or Honors English II

Description:

This course will present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. Through their writing and reading, students will become aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way conventions and the resources of language contribute to effectiveness in writing. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and/or as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Summer reading and writing is a requirement. Course adheres to Kentucky Academic Standards requirements and college-readiness standards.

Course: AP English Seminar

Level: AP Credit: 1 Prerequisite: English II or Honors English II

In this course, students will continue to integrate inquiry skills and technology to communicate ideas. Specifically, this course engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts, and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. College credit is earned with a qualifying score on an AP exam. Summer reading and writing is a requirement. Course adheres to Kentucky Academic Standards requirements and college-readiness standards.

Course: English IV

Level: Regular Credits: 1 Prerequisite: English III or AP Eng. Language & Comp.

Description:

This course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Academic Standards.

Course: AP English Literature & Composition

Level: Advanced Placement Credit: 1 Prerequisite: English III or Honors Eng. III

Description:

Adheres to Kentucky Academic Standards requirements and meets AP guidelines.

The course is designed to help students become skilled readers and writers through engagement with the following course requirements: reading complex imaginative literature (fiction, drama, and poetry) appropriate for college-level study, writing an interpretation of a piece of literature that is based on a careful observation of textual details, considering the work's structure, style, and themes; the social and historical values it reflects and embodies, and such elements as the use of figurative language, imagery, symbolism, and tone, composing in several forms based on students' analyses of literary texts, writing that proceeds through several stages or drafts, writing informally (e.g., response journals, textual annotations, collaborative writing), revising their work to develop a wide-ranging vocabulary used appropriately and effectively, a variety of sentence structures, including appropriate use of subordination and coordination, logical organization, enhanced by techniques such as repetition, transitions, and emphasis, a balance of generalization and specific, illustrative detail, and an effective use of rhetoric, including tone, voice, diction, and sentence structure.

****In 2023-2024 (the following year), senior English options will include English IV, AP English Language, and/or AP English Literature since they will have taken English III or AP Seminar as juniors.**

MATHEMATICS

4 credits required for high school graduation

***Any students wanting to advance math courses beyond the typical grade level will be handled on a case-by-case basis using data to make the decisions.*

Course	Grade Level	Prerequisite
Math Lab 7/8	7, 8	Assigned as an intervention/support class
Math 7	7	Math 6
Honors Math 7	7	Administrative Approval
Math 8	8	Math 7
Math Lab 9/10/11	9, 10, 11	Assigned as an intervention/support class
Algebra I	8, 9, 10	Honors Math 7 or Math 8
Honors Algebra I	8, 9, 10	Honors Math 7 or Math 8
Geometry	9, 10, 11	Algebra I or Honors Algebra I
Honors Geometry	9, 10, 11	Algebra I or Honors Algebra I
Math Lab 12	12	Required for seniors not meeting benchmark
Algebra II	9, 10, 11, 12	Geometry or Honors Geometry
Honors Algebra II	9, 10, 11	Geometry or Honors Geometry
Mathematics Concepts	12	Algebra II
AP Statistics	11, 12	Algebra II or Honors Algebra II
Pre-Calculus	10, 11, 12	Algebra II or Honors Algebra II
AP Calculus AB	11, 12	Pre-Calculus
AP Calculus BC	11, 12	Pre-Calculus

Other courses that can be taken senior year as a 4th math credit:
AP Computer Science Principles
AP Computer Science A *(pre-requisite: AP Computer Science Principles)*

Beechwood Honors Math Courses are different from General Math Courses in three main areas:

- *Assessment – Homework, tests, quizzes, and other assessments are different and more challenging in Honors courses than in General Math courses*
- *Pace – The tempo at which the content is delivered is at a substantially faster pace in Honors courses than in General Math courses*
- *Depth – The content is extended to greater depths in Honors courses than in General Math courses*

Course: Math 7

Level: Regular Credit: N/A Prerequisite: Math 6

Description:

This course is designed so the student accomplishes all the 7th Grade Mathematics Kentucky Academic Standards. Topics include ratios, proportions and percentages, scale drawings, calculations with fractions and decimals (both positive and negative), properties of numbers, solving two-step algebraic equations and inequalities, area and circumference, volume, surface area, complementary and supplementary angles, probability and statistics.

Course: Honors Math 7

Level: Advanced Credit: N/A Prerequisite: Administrative Approval

Description:

This course is designed so the student accomplishes all the 7th Grade Kentucky Academic Standards and contains 8th grade content. This course demands a faster pace for instruction and learning. Content includes four critical areas: rational numbers and exponents, proportionality and linear relationships, introduction to sampling and interference and creating, comparing, and analyzing geometric figures.

Course: Math 8

Level: Regular Credit: N/A Prerequisite: Math 7

Description:

This course is designed so the student accomplishes all the 8th Grade Mathematics Kentucky Academic Standards. Beechwood learners will make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, look for and express regularity in repeated reasoning. Learning in this unit will include, but is not limited to: Irrational numbers and fractions, multi-step equations with radicals and exponents, graphing equations, slope, properties of numbers with interpretation of solutions, systems of linear equations, functions, transformations, Pythagorean Theorem, volume, probability and statistics.

Course: Math Lab 7/8

Level: Regular Credit: N/A Prerequisite: None

Description:

This course is for students who need additional support in Math. Intervention strategies will be used to help students develop a growth mindset as they become leaders of their own learning. We will work on both content and executive functioning skills to meet the needs of individual students. Research-based strategies will be employed to address skill gaps as well as to support learning in current classes. Since this course focuses on growth, students will be provided with opportunities and experiences to exercise resiliency, pursue excellence, and be academically fearless. Ultimately, the support and skills developed in this course should lead to improved learning in all classes.

Course: Algebra I

Level: Regular | Credit: 1 | Prerequisite 8th Graders: Honors Math 7
Prerequisite 9-10th Graders: Math 8

Description:
This course is designed so the students attain all the concepts contained in the relevant statements in the Kentucky Academic Standards in order to earn the high school graduation credit for Algebra 1. Content includes relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, quadratic functions and modeling. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Course: Honors Algebra I

Level: Advanced | Credit: 1 | Prerequisite for 8th Graders: Honors Math 7
Prerequisite for 9th – 10th Graders: Math 8

Description:
This course is designed so the students attain all the concepts contained in the relevant statements in the Kentucky Academic Standards in order to earn the high school graduation credit for Algebra 1. Content includes relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, quadratic functions and modeling. **The honors course is designed for students with a high mathematics aptitude and interest. The high level of effort and achievement expected demands that the student engage in extensive test preparation and homework.** If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Course: Math Lab 9/10/11

Level: Regular | Credit: N/A | Prerequisite: None

Description:
This course is for students who need additional support in Math. Intervention strategies will be used to help students develop a growth mindset as they become leaders of their own learning. We will work on both content and executive functioning skills to meet the needs of individual students. Research-based strategies will be employed to address skill gaps as well as to support learning in current classes. Since this course focuses on growth, students will be provided with opportunities and experiences to exercise resiliency, pursue excellence, and be academically fearless. Ultimately, the support and skills developed in this course should lead to improved learning in all classes.

Course: Geometry

Level: Regular | Credit: 1 | Prerequisite: Algebra I or Honors Algebra I

Description:
This course is designed so the students can develop skills and concepts from the relevant statements in the Kentucky Academic Standards for Mathematics in order to earn the high school graduation credit for Geometry. Content includes congruence, proof, constructions, similarity, trigonometry, polygons, circles, selected solid figures, and coordinate geometry.

Course: Honors Geometry

Level: Advanced | Credit: 1 | Prerequisite: Algebra I or Honors Algebra I

Description:
This course is designed so the students can develop skills and concepts from the relevant statements in the Kentucky Academic Standards for Mathematics in order to earn the high school graduation credit for Geometry. Content includes congruence, proof, constructions, similarity, trigonometry, polygons, circles, selected solid figures, and coordinate geometry. **The honors course is designed for students with a high mathematics**

aptitude and interest. The high level of effort and achievement expected demands that the student engage in extensive test preparation and homework.

Course: Algebra II
Level: Regular Credit: 1 Prerequisite: Geometry or Honors Geometry
Description:
This course is designed so the students develop the relevant skills and concepts from the Kentucky Academic Standards in order to earn the high school graduation credit for Algebra II. Content includes polynomial, rational and radical relationships, sequences and series, trigonometric functions, modeling with functions, and inferences from data.

Course: Honors Algebra II
Level: Advanced Credit: 1 Prerequisite: Geometry or Honors Geometry
Description:
This course is designed so the students develop the relevant skills and concepts from the Kentucky Academic Standards beyond Algebra 1 and then build on those skills and concepts in a rigorous manner. Content includes polynomial, rational, and radical relationships, sequences and series, trigonometric functions, modeling with functions, and inferences and conclusions from data. **The honors course is designed for students with a high mathematics aptitude and interest. The high level of effort and achievement expected demands that the student engage in extensive test preparation and homework.**

Course: Pre-Calculus
Level: Regular Credit: 1 Prerequisite: Algebra II and Geometry
Description:
This course is designed for students to attain the concepts necessary to be successful in an AP Calculus course or a College Calculus course. Students will extensively study polynomial, rational, exponential, logarithmic, and trigonometric functions. Students will engage with mathematics -- both with and without technology -- as they solve equations and inequalities, graph, understand, and apply the behaviors and properties of various types of functions, and prove trigonometric identities. Students will also begin to explore polar and parametric equations and vectors.

Course: Mathematics Concepts
Level: Regular Credit: 1 Prerequisite: Algebra II or Honors Algebra II
Description:
Mathematics Concepts is a course that allows senior students to explore probability and statistics and fine tune their algebra skills, which will transition to successful first year math courses in college. Topics include probability and statistics, extension of algebra and geometry concepts beyond what was addressed in the student's foundational courses, and special topics in mathematics, such as discrete mathematics, cryptology, and history of mathematics.

Course: AP Statistics
Level: Advanced Credit: 1 Prerequisite: Algebra II or Honors Algebra II
Description:
This course is designed to address the guidelines provided by the College Board for the Advanced Placement Statistics examination. Content includes four broad conceptual themes: exploring data by describing patterns and departures from patterns, sampling and experimentation through planning and conducting a study, anticipating patterns by exploring random phenomena using probability and simulation,

and statistical inference through estimating population parameters and testing hypotheses. The TI-84 graphing calculator will be used exclusively and extensively.

Course: Pre-Calculus

Level: Regular Credit: 1 Prerequisite: Algebra II or Honors Algebra II

Description:

This course is designed for students to attain the concepts necessary to be successful in an AP Calculus course or a College Calculus course. Students will extensively study polynomial, rational, exponential, logarithmic, and trigonometric functions. Students will engage with mathematics -- both with and without technology -- as they solve equations and inequalities, graph, understand, and apply the behaviors and properties of various types of functions, and prove trigonometric identities. Students will also begin to explore polar and parametric equations and vectors.

Course: AP Calculus (AB)

Level: Advanced Credit: 1 Prerequisite: Pre-Calculus

Description:

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. This course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is earned with a qualifying score on an AP exam.

Course: AP Calculus (BC)

Level: Advanced Credit: 1 Prerequisite: AP Calculus (AB)

Description:

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content covered in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. This AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. This course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is earned with a qualifying score on an AP exam.

Note: AP Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding, and each is designed to be taught over a full academic year. AP Calculus AB is NOT a prerequisite for AP Calculus BC. Common topics are assessed at the same conceptual level on both of the AP Calculus Exams. Students who take the AP Calculus BC Exam receive an AP Calculus AB subscore based on their performance of the portion of the exam devoted to Calculus AB topics (approximately 60 percent of the exam).

Course: Math Lab 12

Level: Regular Credit: N/A Prerequisite: None
Description:
This course is for students who need additional support in Math. Intervention strategies will be used to help students develop a growth mindset as they become leaders of their own learning. We will work on both content and executive functioning skills to meet the needs of individual students. Research-based strategies will be employed to address skill gaps as well as to support learning in current classes. Since this course focuses on growth, students will be provided with opportunities and experiences to exercise resiliency, pursue excellence, and be academically fearless. Ultimately, the support and skills developed in this course should lead to improved learning in all classes. **This course is required for all seniors who have not met state ACT benchmarks.

Course: Math Peer Tutor
Level: Regular Credit: 1 Prerequisite: Senior Standing
Description**:**
This course will provide an opportunity to support other students with their mathematics skills as a peer tutor. The students in this class will also work with teachers to help classes with math lessons. *This course cannot be taken with a study hall.*

HEALTH AND PHYSICAL EDUCATION COURSES

7th Grade Health and Physical Education
Level: Regular Credit: N/A
Description:
Middle level physical education assists in the continuing physical, mental, social and emotional development of students as they make the transition from puberty to adolescence. The physical education program provides students opportunities to learn sportsmanship, cooperation, principles of motor skills, fitness, conditioning, and the physical and social benefits of exercise. The middle level physical education program focuses on fitness activities, techniques, strategies and rules of games. Sports participation in lifelong activities such as golf, tennis, bowling, archery, running, hiking, swimming, and cycling are also emphasized. Students develop the ability to assess wellness and analyze movement skills.

8th Grade Health and Physical Education
Level: Regular Credit: N/A
Description:
Middle level physical education assists in the continuing physical, mental, social and emotional development of students as they make the transition from puberty to adolescence. The physical education program provides students opportunities to learn sportsmanship, cooperation, principles of motor skills, fitness, conditioning, and the physical and social benefits of exercise. The middle level physical education program focuses on fitness activities, techniques, strategies and rules of games. Sports participation in lifelong activities such as golf, tennis, bowling, archery, running, hiking, swimming, and cycling are also emphasized. Students develop the ability to assess wellness and analyze movement skills.

Health and Physical Education (Traditional)
Level: Regular Credit: 1
Description:
A course providing insight into healthy living, including the structure and function of the human body, its systems, and the importance of physical fitness and sound nutrition. In addition, movement, sports and physical activity are used as central elements to foster active, lifestyles and enhance the quality of life for the future.

Health and Physical Education (Performance-Based)
Level: Regular Credit: 1
Description:
A course providing insight into healthy living, including the structure and function of the human body, its systems, and the importance of physical fitness and sound nutrition. Those choosing the Health/P.E. Performance Based option must be included on the team roster of cheer, marching band, colorguard/winterguard, or any KHSAA-approved sport (sans Esports). Students must successfully complete a full season of the extracurricular activity in order to receive credit. The Health portion of this credit will be completed using APEX, our online learning platform. Students will have a study hall period in their schedule to accommodate this online learning. They do not need to choose study hall if choosing this option; it will automatically be added to their schedule.

Health and Physical Education (Performance Based) Forms

Fitness Conditioning/Advanced Physical Education

Level: Regular Credit: 1

Description:

This course is designed to teach students how to gain weight, lose weight, trim, tone, and become physically fit, as well as how to plan and eat a healthy diet.

This course helps students understand athletic conditioning through weight training and various cardiovascular activities. Students are required to develop their own conditioning program and then apply it in the weight room. This course also includes some research and guest speakers.

PRACTICAL LIVING/CAREER STUDIES
COMPUTER SCIENCE

The Computer Science Pathway courses focus on computer theory, computing problems and solutions, and design of computer systems and user-interfaces. The coursework will include instruction in the principles of computational science, computer development and programming and applications to a variety of end use situations.

Digital Literacy

Level: Regular Credits: 1 Grades 9-12
Description**:**
Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

This course is designed to provide students an advanced-level experience with practical applications through hands-on instruction. Course content will include understanding of carious hardware, software, operating systems, care/operations, administrative applications, and employability skills. The software includes advanced business applications using word processing, presentation, spreadsheets, database management, desktop publishing, and electronic communication. Leadership development will be provided through FBLA. During this course, a student will be ready to take the Microsoft Office Specialist certification test.

Introduction to Computer Science

Level: Regular Credits: 1 Grades: 9-12
Description:
Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Introduction to Computer Science may be taken in place of computer literacy in the pathway if proficiency has been demonstrated.

AP Computer Science Principles

Level: Advanced Credits: 1 Grades: 10-12
Description:
AP Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience.

AP Computer Science A

Level: Advanced Credits: 1 Grades: 11-12

Pre-requisite: AP Computer Science Principles

Description:

The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

C++ (Computer Programming Language)

Level: Advanced Credits: 1 Grades: 11-12

Pre-requisite: AP Computer Science Principles

Description:

Introduce students to fundamental programming concepts using the C++ programming language. Topics include data types, control structures, simple data structures, error-handling, modular programming, and information and file processing.

Help Desk Operations

Level: Regular Credits: 1 Grades: 10-12

Description:

Introduces a variety of tools and techniques to provide user support in help desk operations. Explores help desk concepts, customer service skills, troubleshooting problems, writing for end users, help desk operations and software, needs, analysis, facilities management, and other topics related to end user support. Students will work through Testout Software to earn Testout PCPro certification.

FAMILY AND CONSUMER SCIENCE COURSES

The Culinary and Food Service Pathway addresses a skill set necessary for success in the culinary industry. The courses in this pathway will help students develop skills in early career ladder positions and promote continuing education at the post-secondary level preparing for careers associated with restaurants, institutional food service, hospitality, and catering, as well as food and beverage operations.

FCS Essentials
Level: Regular Credit: 1 Grades: 8-12
Description:
This comprehensive course provides an opportunity for acquiring basic skills and guides student to explore select specific areas for concentrated study. Emphasis is on family, employability skills, adolescent development, introduction to textiles, interiors and design, financial management, challenges of parenting, establishing healthy relationships, and creating a foundation for healthy lifestyles and nutrition. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Foods & Nutrition / Culinary I
Level: Regular/Advanced Credits: 2 Grades: 10-12
Description:
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, food safety, sanitation and careers in nutrition and food service. This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning and the skills necessary to prepare for a career in the culinary arts profession. Students will strive to earn their SafeServe Handler and Manager Certifications.

Culinary II
Level: Advanced Credits: 1 Grades: 11-12
Description:
In this advanced course, food preparation skills are reinforced. More in-depth information is provided and high level skills are taught. The Chef Buddies program is also incorporated into this class.
Prerequisite: Foods and Nutrition / Culinary I

Master Chef
Level: Advanced Credits: 1-3 Grades: 11-12
Description:
Students will be getting hands-on work experience with internships in the classroom. Food management functions are introduced through internships with The Beechwood Brew coffee shop and time is provided for work-based learning opportunities / internships with Beechwood Cafeteria operations. Inventory, online ordering, and stocking the labs will also be incorporated.
*Students will be required to work at the Beechwood Brew before school for this course.
Prerequisite: Culinary II

BUSINESS/ENTREPRENEURSHIP COURSES

Marketing and Business Essentials

Level: Regular Credit: 1 Grades: 9-12

Description:

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.

Introduction to Business, Accounting, and Finance

First semester is also a Thomas More dual credit course – BUA 105

Level: Regular Credit: 1 Grades: 10-12

Description:

BUA 105: Intro to Business, Accounting, and Finance will provide you with general business knowledge, accounting basics, and personal finance skills that you can use regardless of the career field you decide on post-graduation. The focus of this course will be to provide hands on applicable experiences to help you understand how to make real life decisions.

Students will have the opportunity to earn dual credit with Thomas More through this course.

Leadership development will be provided through FBLA and/or DECA.

Principles of Entrepreneurship

Level: Regular Credit: 1 Grades: 11-12

Description:

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 improving communication skills and understanding economics, financial analysis, operations, promotion and selling. The culminating project of the course is the development of a comprehensive business plan. Cooperative education or shadowing experiences may be used to enhance course instruction. Leadership development provided through FBLA, DECA and/or FCCLA.

SCIENCE COURSES

Course: Middle Grades Science A
Level: Regular Credit: N/A Prerequisite: N/A
Description:
In this course, students are engaged in experiences that demonstrate chemical reactions, energy transfer, forces, and information processing, as described in the Kentucky Academic Standards for Science. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the tools students will use, and skills they develop, 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.

Course: Middle Grades Science B
Level: Regular Credit: N/A
Pre-/Co-requisite: 7th Grade – must take with Middle Grades Science A and have average to above-average scores on MAP testing
8th Grade – must have completed Middle Grades Science A
Description:
In this course, students will be engaged in experiences which will connect their understandings about Life Science concepts experienced in grades 6 and 7. These connections should be related to human impact, as described in the Kentucky Academic Standards for Science. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the tools students will use, and skills they develop, 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.

Course: Integrated Science
Level: Regular Credit: 1 Prerequisite: N/A
Description:
This course is designed with two purposes: first, to introduce a wide variety of topics in physical science, and second, to prepare students for the higher-level science courses of chemistry and physics. Both individual and group laboratory experiences are an integral part of the course. Problem solving is an important part of science. Students are given many opportunities to exercise their math skills (which include graphing). The course includes units in basic physics, environmental earth/space science, and basic chemistry. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Course: Biology
Level: Regular Credit: 1 Prerequisite: Integrated Science
Description:
This course is designed to give the students an opportunity to learn and understand the basic concepts of a living organism. The course begins with the method of scientific inquiry and the interrelationships of other related fields. The basic biochemical composition of an organism is examined along with cell processes. Genetics, DNA engineering, evolution, and taxonomy are then studied. As the different invertebrate and vertebrate animals are studied, comparative anatomy and adaptations are examined. The class will be involved in making predictions, evaluations, and working on open-ended responses throughout the course. Students' progress is determined by homework, labs, lab reports, presentations, open ended responses, quizzes, tests and class involvement.

Course: Honors Biology

Level: Advanced Credit: 1 Prerequisite: Integrated Science

Description:

This course is designed to give the students an opportunity to learn and understand the basic concepts of a living organism, with a focus on enrichment with BioMedical experiences and content. The course begins with the method of scientific inquiry and the interrelationships of other related fields. The basic biochemical composition of an organism is examined along with cell processes. Genetics, DNA engineering, evolution, and taxonomy are then studied. As the different invertebrate and vertebrate animals are studied, comparative anatomy and adaptations are examined. The class will be involved in making predictions, evaluations, and working on open-ended responses throughout the course. Students' progress is determined by homework, labs, lab reports, presentations, open ended responses, quizzes, tests and class involvement. EDGE experiences for the BioMed minor will be embedded.

Course: Introduction to BioMed

Level: Regular Credit: 1 Prerequisite: None

Description:

Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions. Students will learn biomedical terminology, healthcare careers, the history of biomedical research, institutional review board, patient safety and accreditation, human subject research, confidentiality, HIPPA, etc. EDGE experiences may include sterile technique, healthcare rotation, field trips, speakers, and challenge modules. Key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including: the design process, feedback loops, and the relationship of structure to function are incorporated in the curriculum where appropriate. This is the first course in the EDGE minor and will provide the foundation for the other courses in the minor.

Course: Anatomy and Physiology

Level: Regular Credit: 1 Prerequisite: Biology, Chemistry (can be a co-req)

Description:

Anatomy and Physiology presents an in-depth study of DNA Technology, Histology, and Human Anatomy and Physiology. An attempt is made to have each student develop a unique manner of thinking and methodical approach to scientific problem solving. They also are to evaluate data and solve simple human health problems. Lab work is given as often as possible and when appropriate. Field trips are arranged when possible and speakers visit often (medical doctors, health professionals and college professors). The class is for good science students interested in pursuing a career in science.

Course: AP Biology

Level: Advanced Credit: 1 Prerequisite: Biology, Chemistry, and teacher rec.

Description:

The Advanced Placement Biology course is an advanced-level course geared towards students with a strong background and interest in the sciences. It is designed much like an introductory college-level Biology course for science majors, focusing on biochemistry, genetics, and ecology. Evolution is the theme uniting the diverse topics presented. Advanced level laboratory techniques are developed to further the student's ability to pursue a science-related career. Students are expected at take the AP exam. **Students may be required to meet before or after school for laboratory work.**

Course: Chemistry
Level: Regular Credit: 1 Prerequisite: Algebra I and Integrated Science
Description:
This course offers students general laboratory experiences and activities in the concepts of chemistry with modern atomic theory and the periodic table as unifying principles. Much attention is given to the development of the student's reasoning and problem-solving abilities through group activities and laboratory experiments. Mathematical relationships utilizing algebra are emphasized throughout the course.

Course: AP Chemistry
Level: Advanced Credit: 1 Prerequisite: Chemistry (B average) and teacher rec.
Description:
The Advanced Placement Chemistry course is an advanced-level course geared towards students with a strong background and interest in the sciences. It is designed much like an introductory college-level chemistry course for science majors, focusing on complex mathematical relationships and problem solving. The course covers a variety of chemical topics from atomic structure to chemical equilibrium. Advanced-level laboratory techniques are developed to further the student's ability to pursue a science-related career. **Students may be required to meet before or after school for laboratory work.**

Course: Physics
Level: Regular Credit: 1 Prerequisite: Algebra II
Description:
This course is intended to introduce students to concepts in physics on a college preparatory level. It is intended as both a terminal science course and as a preparation for taking AP Physics I and II. The main objectives of this course are to understand the fundamental ideas of physics and to be able to use mathematical reasoning to solve real life problems based on those fundamentals. This course will emphasize mechanics, waves, and circuits.

Course: AP Physics I
Level: Advanced Credit: 1 Prerequisite: Pre-Calculus co-requisite & teacher rec
Description:
AP Physics I focuses on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics course, and provides students with enduring understandings to support future advanced course work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills, and will cultivate their understanding of physics and science practices as they explore the following topics: Kinematics, Newtonian Dynamics, Work, Power, Energy, Momentum, Rotational Motion and Dynamics, Electrostatics, and Mechanical Waves. While these topics will be covered on a non-calculus level, extensive use of trigonometry and advanced algebra will be required. Students will be expected to complete a summer assignment. Although AP Physics I is a stand-alone course, it also prepares students to take the second course in the series, AP Physics II.

Course: AP Environmental Science
Level: Advanced Credit: 1
Prerequisite: 2 high school laboratory science classes (1 life science class and 1 physical science class) *OR* recommendation from your current science teacher *AND* 1 year of Algebra.
Description:
AP Environmental Science is a lab-based course that is designed to examine ecological, biological, chemical, physical, and environmental concepts in action. The course will cover the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. We will identify and analyze environmental problems, both natural and human-made, evaluate the relative risks associated with these

problems, and examine alternative solutions for resolving and/or preventing them. Ultimately, an AP Environmental Science student seeks to become familiar with local, regional and global concerns within our environment.

Course: HS IDEA Lab I

Level: Regular Credit: 1 Prerequisite: None

Description:

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. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Course: HS IDEA Lab II

Level: Regular Credit: 1 Prerequisite: HS IDEA Lab I

Description:

This course provides a project-based learning approach to understanding the principles and concepts of physics and associated mathematics for most Engineering Technology programs. Students explore various careers and disciplines of engineering areas, problem solving and core technology such as, but not limited to; manufacturing, power/energy/transportation, robotics, hydraulics, electricity/electronics, communications, construction systems, alternative energy and computer aided design. Participation in Kentucky Technology Student Association will greatly enhance instruction.

SOCIAL STUDIES COURSES

Course: Social Studies 7 (World Civilization)
Level: Regular Credit: N/A Prerequisite: N/A
Description:
The focus of grade 7 is the examination of how movement and migration impacted the interactions between expanding civilizations through conquest and trade in Afro-Eurasia (North Africa, Sub-Saharan Africa, Asia, and Europe) and the Americas from 600-1600. Students evaluate the impact of growth and expansion on civilizations, driving societies to look beyond their borders. Students analyze the political, geographic, and social impact of the expansion of empires to understand how the interactions of the early modern world establish the foundations of modern society. Students evaluate how individuals and groups addressed local, regional, and global problems throughout the growth and expansion of civilizations.

Course: Social Studies 8 (United States History)
Level: Regular Credit: N/A Prerequisite: N/A
Description:
Middle level social studies uses the five strands of social studies (historical perspective, geography, economics, government and civics, and culture and society) in an integrated program which focuses on a different grade-level context each year. Grade 8 covers the history of the United States from the earliest inhabitants to Reconstruction. Regardless of the grade-level context, students use the five categories of social studies to explore the content.

Course: Human and Cultural Geography
Level: Regular Credit: 1 Prerequisite: Freshman standing
Description:
Human Geography is a discipline in which the concepts, generalizations, and facts derived from both social and physical sciences converge in the study of specific places and the people who inhabit them. Geography therefore, functions as a bridge linking the social and physical science. Geographers study the interrelations of humans and their environment, patterns of location of human activities, human beings themselves and their cultures and patterns of human variation: regional, national, and global, as well as variations among cultures.

Course: AP Human Geography
Level: Advanced Credit: 1 Prerequisite: Social Studies AP Criteria / Teacher Rec
Description: The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Units of study include population, migration, culture (language and religion), government processes, agriculture, urban and rural land use patterns, and economic development. College credit earned with the successful completion of the AP Exam.

Course: World History
Level: Regular Credit: 1 Prerequisite: Geography credit and Sophomore standing
Description:
World History is a survey of the history of the world focusing on cultural and political aspects beginning in 1450. Students will explore time periods from the Renaissance through the modern world via work with primary and secondary sources and individual based research projects.

Course: AP World History
Level: Advanced Credit: 1 Prerequisite: Social Studies AP Criteria/ Teacher Rec
Description:
Advanced Placement World History is a survey of the history of the world focusing on cultural and political aspects; ancient and modern history; the study of western and non-western civilizations; and current events beginning in 1200. Students will do significant reading and writing based on college-level primary and secondary sources. College credit earned with successful completion of the AP exam.

Course: AP European History
Level: Advanced Credit: 1 Prerequisite: 11th and 12th grade students
Description:
AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity. College credit earned with the successful completion of the AP Exam. ******* This course is only the 2nd semester. Students will have a study hall the 1st semester.***

Course: United States History: Reconstruction to Present
Level: Regular Credit: 1 Prerequisite: World Civ. & Junior standing
Description:
Modern United States History is an overview of American history from Reconstruction through current events; American and world affairs.

Course: AP United States History
Level: Advanced Credit: 1 Prerequisite: Social Studies AP Criteria / Teacher Rec
Description:
Advanced Placement covers U.S. History from colonization to present day; prominent historians, organizations; major policies; and theoretical foundations. College credit is earned with successful completion of AP exam.

Course: AP U.S. Government and Politics
Level: AP Credit: 1 Prerequisite: Grades 10-12
Description:
AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. College credit is earned with a qualifying score on an AP exam.

Course: AP Psychology

Level: Advanced Credit: 1 Prerequisite: Junior or Senior Standing

Description:

This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

Course: Survey of Regional History

Level: Regular Credit: None Prerequisite: 7th and 8th Grade Students

Course Program: There are several moments in history as well as geographic and cultural elements that help shape the city and the region. This course will provide a survey and investigate the history of Cincinnati and the surrounding region. This may include learning about and/or site visits to places such as Union Terminal, the Freedom Center, the Cincinnati Zoo, and an investigation into Fort Mitchell/ northern Kentucky's history. We also will explore Cincinnati/regional cuisine and sports. By examining these aspects of the city, we will learn and understand the history of the city.

WORLD LANGUAGE COURSES

LATIN:

Course: Middle School Latin
Level: Regular Credit: None** Prerequisite: N/A
Description:
In this course students will learn the foundations of the Latin language as well as Roman culture. Students will learn five cases of Latin grammar, four verb tenses, basic Roman culture and mythology, and vocabulary as well as many English derivatives. Students will complete quarterly projects that will allow them to have a hands-on experience of Roman culture. Students will take the National Latin Exam
** Students who complete both years of the Middle School Latin Course will have the opportunity to earn a high school credit for Latin I. Student must earn a "B" or better to earn this credit.

Course: Latin I
Level: Regular Credit: 1 Prerequisite: N/A
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas on a variety of topics; and understand the relationship among the products, practices and perspectives of Roman and other cultures. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Course: Latin II
Level: Regular Credit: 1 Prerequisite: Latin I
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas on a variety of topics; and understand the relationship among the products, practices and perspectives of Roman and other cultures.

Course: Latin III
Level: Regular Credit: 1 Prerequisite: Latin II and teacher recommendation
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate low to intermediate mid-range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas on a variety of topics; and understand the relationship among the products, practices and perspectives of Roman and other cultures.

Course: AP Latin
Level: Advanced Credit: 1 Prerequisite: Latin III and teacher recommendation
Description:
AP Latin is designed to provide advanced high school students with a rich and rigorous Latin course, approximately equivalent to an upper-intermediate (typically fourth or fifth semester) college or university Latin course.

Course: Latin Independent Study
Level: Advanced Credit: 1 Prerequisite: AP Latin and teacher recommendation
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas on a variety of topics; and understand the relationship among the products, practices and perspectives of Roman and other cultures.

Course: Latin Dual Credit
Level: Advanced Credit: 1 Prerequisite: Latin III and teacher recommendation
Description:
Dual-Credit Latin is designed to provide advanced high school students with a rigorous Latin course while earning credit through Thomas More College. The curriculum is approximately equivalent to a second or third semester college or university Latin course.

SPANISH:

Course: Spanish I
Level: Regular Credit: 1 Prerequisite: N/A
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. If you are taking this as an 8th grader, you must earn a B or better to earn high school credit.

Course: Spanish II
Level: Regular Credit: 1 Prerequisite: Spanish I
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Course: Spanish III
Level: Regular Credit: 1 Prerequisite: Spanish II and teacher recommendation
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Course: AP Spanish Language & Culture
Level: Advanced Credit: 1 Prerequisite: Spanish III and teacher recommendation
Description:
Prepares students for the Advanced Placement exam. Prepares students to understand and use the complexities of the Spanish language fluently and accurately to perform communicative tasks. The course engages students in exploration of culture in contemporary and historical contexts, developing students' awareness and appreciation of tangible and intangible products, practices and perspectives.

Course: Spanish Independent Study
Level: Advanced Credit: 1 Prerequisite: AP Spanish and teacher recommendation
Description:
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

BOONE COUNTY AREA TECHNOLOGY CENTER COURSES

Course: Auto Technology
Level: Regular
Description:
The Automotive Technology program is a two year long course. First year students will receive instruction in all eight areas of the ASE/NATEF certifications, to include engines and engine performance, automatic and manual drive trains, steering/suspension, brakes, HVAC and electrical. Students MUST pass all first year courses to be eligible to return for the second half of the program. Second year students will receive instruction on the same eight areas with the emphasis on the diagnostics and major repair of these systems. The majority of the instruction involves actual hands on training rather than just book work. The focus and goal of the Auto Technology program is to have a second year student well prepared to get an entry level technician position at any of the many dealerships and independent repair facilities in northern Kentucky or continue their training at the post-secondary level. This is a rigorous course that is designed to strengthen a student's mechanical skills and utilize the English, math and science skills they have acquired in their home school.

Course: Diesel Technology
Level: Regular
Description:
The Diesel Technology program here at Boone County ATC has changed dramatically in the past 5 years. The mechanic of yesterday has been replaced by highly skilled, highly trained technicians. Todays' techs are professionals, well versed in electronics and able to diagnose computer, electronic and mechanical failures. This program is designed for students wanting a career in the Diesel Technology field. Training consists of diesel and gas engines, automatic and manual transmissions, air and hydraulic brake systems, steering and suspension, electrical and electronic systems and preventative maintenance services. Students will also become familiar with all manner of tools, from simple everyday hand tools to sophisticated diagnostic software on lap top computers. Bottom line is; this is not an easy course. Students will have to apply math, science and physics skills along with hand-eye coordination skills. The field is as demanding physically as well as mentally. For those that meet the standards, the sky's the limit on career choices. The automotive, heavy truck and construction equipment industries are searching for qualified technicians.

Course: Electrical Technology
Level: Regular
Description:
The Electrical Technology program focuses on preparing students for entry-level electrician positions in industry and building trades. Electrical Technology provides experiences in layout, assembly, installation, testing, and maintenance of electrical circuits, apparatus, and residential wiring. Training includes electrical theory and current electrical codes.

Course: Welding
Level: Regular
Description:
Students will gain knowledge and acquire skills to weld various metals using several methods. Students will train in layout, blueprint reading, work orders, job site safety, and job estimates.

Course: Health Sciences
Level: Regular
Description:
The Health Sciences program provides the secondary student with orientation, exploration, and preparation into the health care industry. Courses are sequenced to provide continuous student progress toward a certificate of achievement. The integration of mathematics, science, communication, and technical knowledge is a vital component of each course offering. The program is designed for students who desire entry level training and/or plan to enroll in a post-secondary program in one of many health fields. With faster than average employment, growth, and excellent job opportunities, this is a great time to consider a career in a heath science. Healthcare professions are jobs that maintain the health and condition of the human body. Healthcare jobs pay well and many have excellent benefits! The healthcare profession is here to stay. Health care careers include more than physicians, dentists, and nurses. There are250 different healthcare professions - something to appeal to every kind of student.

Course: Machine Tool Technology
Level: Regular
Description:
The Machine Tool Technology program is designed to prepare students to enter the machine tool trade. The first year of Machine Tool Technology training is a combination of blueprint reading, precise metal layout, operating manual lathes, mills, surface grinders, reading precision measurement tools, and computing and verifying dimensions, sizes, shapes and tolerance of machined work pieces. The student is introduced to 5 tools, materials, equipment, and trade terms and develops the skills to do the job to industry standards. Students become acquainted with a variety of metals and learn how to use the various types of cutting tools and the required metallurgy.

Course: Metal Fabrication
Level: Regular
Description:
Students in this program prepare for a career in a very diverse trade. You can be inside running metal fabrication equipment or outside on a construction site. By creating three-dimensional objects from flat sheets of metal, reading trade specific blueprints and operating the trade machinery and hand tools, this class trains you for three career fields. Layout, blueprint and knowledge of equipment and hand tools will give you a set of skills that will improve abilities in almost any career field you choose to enter. Metal fabricators are increasingly called on to produce precision parts for high tech industries. Instruction includes design, pattern lay out, transfer, fabrication, and joining. The latest technology we have in our class is the Torchmate Plasma Cutting system. This computer controlled plasma table is used to cut intricate detail in parts for trucks, motorcycles, four wheelers, arts and crafts, industrial parts like brackets, guards and just about anything else you can imagine. We train by doing which means we spend the majority of our time making parts and projects from blueprints to teach students how to use the knowledge they have been given through lecture and text books. We complete twenty-one chapters a year. That means we spend much more time producing projects than reading about doing it. I must caution you though. All of your required credits must stay at a passing grade. If you do not keep your grades at a sufficient level in the required credits to graduate you will not be able to take full advantage of the two year course work in this class. We also have an introduction to MIG welding and some TIG welding for

the second year students in the program. Many companies want new employees to have fabricating skills and welding skills. If you like to use your hands, stay on task and take pride in completing projects to give yourself a sense of accomplishment then this career could be for you.

INTERNSHIP AND DUAL CREDIT COURSES

Internship: (12th Grade Only)

Internship courses provide supervised work site experience for high school students and can also serve as a capstone experience for the EDGE program. During this experience, students will: gain career awareness, receive work experience, exposure to facilities and equipment unavailable in a classroom setting, and increase employability potential. We have a wide variety of internships available with EDGE business partners. Please contact your counselor with your field of interest. Students will have some requirements to complete such as time sheets and reflections that will be submitted to a school staff member.

Interns will receive a contract at the beginning of the school year. If the contract is not met, the student will be removed from the internship program and placed into an APEX course.

Dual Credit courses through College/University partners: Dual Credit courses are college courses which, when completed successfully, earn a student Beechwood High School credit simultaneously with college credit. Students can take Dual Credit courses at a lower cost than standard college courses, and may also utilize the KHEAA Dual Credit Scholarship to cover the cost of two dual credit courses. Read below for requirements from local university partners.

Gateway Community & Technical College (Early College Dual Credit)

Students may take courses online, at Beechwood, or on campus.

KCTCS Requirements -
To participate in dual credit courses at KCTCS, you will need to:

- Complete the application for admission (see counselor for details)
- Meet KCTCS Assessment & Placement requirements for dual credit high school students (see below for more information).
    - **Course/s:** **GPA:** **ACT:**
      Technical Courses 2.0 16
      General Education Courses with no placement 2.5 N/A
      College Ready in Reading 2.6 20
      College Ready in English 2.8 18
      College Ready for most Math* 2.8 19
      College Ready for College Algebra (MAT 150) 3.0 22
- Fulfill the prerequisites for your courses.
- Be admitted to the college.
- Enroll in one or more eligible dual credit courses.

Courses through KCTCS cost $72/credit hour (typically $216 per course).
See Counselor for list of courses.

Northern Kentucky University ("School-Based Scholars" Program)

Students may take courses online, at Beechwood, or on campus.

High School Juniors and Seniors

- Have an unweighted high school GPA of 3.0 or higher.
- Meet any pre-requisites for individual courses. Math and Sciences typically require specific ACT subscores.

Exceptions may apply. Any requirements that high schools set in addition to the SBS program's requirements will be honored.

High School Sophomores

- Have an unweighted high school GPA of 3.0 or higher.
- May only enroll in the courses offered at their high school (where applicable – see counselor for details).
- Meet any pre-requisites for individual courses. Math and Sciences typically require specific ACT subscores.

Exceptions may apply. Any requirements that high schools set in addition to the SBS program's requirements will be honored.

Continuing in the SBS Program

Once in the program, students must earn a grade of C or better in each of their dual-credit courses in order to continue to the next semester. Students who do not meet this requirement will be afforded the opportunity to appeal to the SBS program for continued admission.

Courses through NKU cost $72/credit hour (typically $216 per course).
See Counselor for list of courses.

Thomas More University (Gemini Dual Credit Program)

Students may take courses online, at Beechwood, or on campus.

Students are eligible for this program if they meet the following requirements:

1. High school juniors and seniors:
    - Must have a high school unweighted GPA of 3.0 or higher.
    - Must meet any course prerequisites.
1. High school sophomores:
    - Must have a high school unweighted GPA of 3.0 or higher.
    - Must meet any course prerequisites.
    - Must only take courses offered at their high school unless granted an exception.

Students must complete a Thomas More Dual-Credit application packet (online application, disclosure, transcript). Test scores (ACT, SAT, and/or AP) must be provided if required as a pre-requisite to a course. Completed dual-credit application packets do not guarantee admission into the program or eligibility for any specific course.

All submitted applications will be reviewed by Thomas More's Dual-Credit program for admission eligibility.

Continued Enrollment:
Once enrolled in the Dual Credit Program, to register for subsequent semesters a student must maintain a cumulative GPA of 2.0 in Thomas More courses. This requirement is set up to assist students in meeting the goal of successfully earning college credit at the high school level.

Courses through TMU cost $72/credit hour (typically $216 per course).
See Counselor for list of courses.