

Curriculum Guide 2010-2011



Bowling Green High School

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CURRICULUM GUIDE

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REGISTRATION ORIENTATION

The curriculum guides will be distributed to students through group guidance sessions and individual counseling sessions. It is strongly recommended that students talk with guidance counselors, teachers and parents about course selections. Each student will be required to register for a full course load, which consists of six (6) credits per year (with optional EXCEL period). BGHS does not participate in an early graduation program. Students must complete eight (8) semesters of high school in order to receive a diploma. The MASTER SCHEDULE is developed each year based on the survey of student need and staffing. Parents and students will be required to sign off on the courses to be taken.

SCHEDULE CHANGES

No schedule will be changed after two weeks into a semester unless one of the following conditions exists:

- | | | |
|----|---|--|
| 1. | To make up a required course which has been failed 4. | To correct inappropriate placement of a student based on |
| 2. | To add a graduation requirement for seniors | teacher recommendation and counselor approval |
| 3. | To correct duplication of a course | 5. If a change is insisted by parent, the student may be |
| | | removed, but will not earn credit for the English |
| | | are placed in for the year. After being |
| | | course, removal would result in the |
| | | class previously taken; |
- class they
enrolled in an AP
student repeating the
therefore, credit cannot be awarded.

PROMOTION REQUIREMENTS

Students are promoted on the basis of Carnegie units of work earned at each grade level.

- | | |
|-----------------------------|---------------------------------------|
| Promoted to 09th grade..... | must have passed eighth grade |
| Promoted to 10th grade..... | must have passed five (5) credits |
| Promoted to 11th grade..... | must have passed ten (10) credits |
| Promoted to 12th grade..... | must have passed fifteen (15) credits |

OUT OF SCHOOL CREDIT

A maximum of two (2) credits may be earned through correspondence courses or the Kentucky Virtual High School. Permission for these classes must be granted by the Guidance Counselor. Any senior taking a correspondence credit for graduation must have all work completed and grade reported to the guidance counselor no later than MAY 1. All required English classes must be taken at Bowling Green High School.

GRADE POINT AVERAGE / CLASS RANK

Rank in class is determined by the numerical average of all courses. In order to satisfy college entrance standards, each student will also receive a decimal grade point average based on a 4.0 scale with the following values assigned: A=4, B=3, C=2, D=1, F=0.

GRADE REPORTING

Students will receive four grade reports each year, one at the end of each quarter. Each quarter a Progress Report will be distributed to students near the mid-point of the quarter. Grade averages, including class rank and GPA, will be posted on the student's transcript at the end of each school year.

HONOR ROLL

The Honor Roll is published at the end of each quarter in the local newspaper. To be eligible, a student must have no grade lower than a "B" or 80% for the quarter.

HONOR GRADUATES

Any senior earning a final GPA of 3.6 or higher will be considered an honor graduate. These students will be recognized at graduation exercises.

FOREIGN EXCHANGE STUDENTS

Exchange students are eligible for acceptance at the beginning of the school year only—within 15 days of the beginning of the Fall Semester. Exchange students do not graduate from Bowling Green High School. Principal approval must be obtained by the sponsoring agency at least five (5) business days prior to the start of school.

STUDENTS ENTERING FROM HOME SCHOOL PROGRAMS

Students entering from a home school environment will be required to provide documentation of the program they completed. Students will be given credit for verified course work but no grades will be recorded on the student's transcript.

KENTUCKY EDUCATIONAL EXCELLENCE SCHOLARSHIP (KEES)

The Kentucky Educational Excellence Scholarships are offered to graduating seniors who will attend a Kentucky college, university or technical school. Amounts are determined by the state based on a student's GPA and ACT scores. It is the student's responsibility to make sure that his/her correct social security number is on file with Bowling Green High School. Contact KEES at 1-800-928-8926 or www.kheaa.com.

YOUR RESPONSIBILITY AS A PROSPECTIVE COLLEGE STUDENT / ATHLETE

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. Standards are constantly changing, and it is the student's responsibility to ascertain that he/she meets NCAA requirements. The clearinghouse recommends that all student contact be made via their website, www.ncaaclearinghouse.net.

COLLEGE CREDIT COURSES AND PROGRAMS

ADVANCED PLACEMENT PROGRAM

Advanced Placement offerings are:

Art	Biology	Calculus AB / BC	Chemistry
English Language/Comp	English Literature/Comp	European History	French Language
Government & Politics: US	German Language	Human Geography	Physics C
Psychology	Spanish Language	US History	World History

Students in these classes have the opportunity to earn high school and can earn college credit if they elect to take the national exams given in May of each year and score high enough to qualify. These courses are highly recommended for students planning to attend college. Grades for all AP courses will be adjusted +3 points on the semester average. Students enrolled in the Pre-AP courses will receive +2 points on the semester average.

DUAL-CREDIT COURSE OFFERINGS WITH WESTERN KENTUCKY UNIVERSITY

COURSE NAME BGHS	COURSE NAME WKU	COLLEGE CREDIT	GENERAL EDUCATION CATEGORY	COST AS A DUAL- CREDIT COURSE	COST FOR DUAL-CREDIT COURSE TEXTBOOK	APPROXIMATE ECOST AS A WKU COURSE ON CAMPUS (Spring 2008)	APPROXIMATE COST FOR WKU CAMPUS COURSE TEXTBOOK (Spring 2008)
Arabic I	Arabic I	3 hours	Foreign Languages	\$240.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$206.25
Introduction to Education (825)	Education 250	3 hours	Applicable to any elective	\$200.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$119.50
HY120 World Civilization since 1648 (450)	History 120	3 hours	Social & Behavioral Science - either Hy 119 or Hy 120 is REQUIRED	\$200.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$159.77
Math 116-College Algebra (230)	Math 116	3 hours	Natural Sciences - Mathematics - at least 3 hours required in Math	\$200.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$223.50
Introduction to Psychology- PSY100 (824)	PSY100 Introduction to Psychology	3 hours	Social & Behavioral Science	\$200.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$200.00
WKU Spanish 102	Spanish 102 Spanish III	3 hours	Category A II General Education	\$200.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$110.00
WKU German 102	German 102 German III/IV	3 hours	Category A II General Education	\$200.00	NO CHARGE BGHS will provide textbook	\$801.00 PLUS textbook	\$150.00
Chemistry Pre- AP	Chemistry 105-106	4 hours	Natural Sciences - Mathematics - a total of 9 hours is required with 3 coming from Math. May also count for Agriculture or Nursing requirements	\$240.00	NO CHARGE BGHS will provide textbook	\$2136.00 PLUS textbook	\$206.25

DUAL-CREDIT COURSE OFFERINGS WITH BOWLING GREEN TECHNICAL COLLEGE

COURSE NAME BGHS	COLLEGE CREDIT	GENERAL EDUCATION CATEGORY	COST AS A DUAL-CREDIT COURSE	COST FOR DUAL-CREDIT COURSE TEXTBOOK	APPROXIMATE COST AS A BGTC COURSE ON CAMPUS (Spring 2008)	APPROXIMATE COST FOR BGTC COURSE TEXTBOOK (Spring 2008)
BRAKE SYSTEMS/LAB	5 hours	Technical Education	\$0	\$0	\$595.00	\$50.00
SUSPENSION & STEERING	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00
MEDICAL TERMINOLOGY	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00
DESKTOP/MULTIMEDIA	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00
CISCO NETWORKING I	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00
CISCO NETWORKING II	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00
WELDING Oxy-Fuel Systems	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00
WELDING SMAW	3 hours	Technical Education	\$0	\$0	\$595.00	\$90.00

BOWLING GREEN HIGH SCHOOL GRADUATION REQUIREMENTS

Individual Learning Plan: Each student shall successfully complete a program that emphasizes career plans and courses a student intends to take.

Students at Bowling Green High School may choose from two diploma choices issued by the Bowling Green Independent School District:

MERIT DIPLOMA:

22 credits minimum required

English	4 credits	English I, II, III, IV
Science	3 credits	any three science classes (to incorporate life science, physical science and earth/space science)
Mathematics	3 credits	Algebra I, Algebra II and Geometry
Social Studies	3 credits	U.S. History, World Civilization and Political Science
Health / P.E.	1 credit	½ Health and ½ Physical Education I
Humanities		Embedded in curriculum or by passing band, choir or art.

TOTAL REQUIRED CREDITS = 14
PLUS ELECTIVE CREDITS = 8 (minimum)

COMPREHENSIVE DIPLOMA:

24 credits minimum required

English	4 credits	English I, II, III, IV
Science	3 credits	Biology and Chemistry or Physics or Earth Science plus one additional credit selected from one of the above courses or from AP Physics, AP Biology, AP Chemistry or Anatomy
Mathematics	3 credits	Algebra I, Algebra II and Geometry
Social Studies	3 credits	U.S. History, World Civilization and Political Science
Foreign Lang.	2 credits	two classes from the same language
Health / P.E.	1 credit	½ Health and ½ Physical Education I
Humanities		Embedded in curriculum or by passing band, choir or art.

TOTAL REQUIRED CREDITS = 16
PLUS ELECTIVE CREDITS = 8 (minimum)

Beginning with the 2010 graduating class, mathematics shall be taken each year of high school.



ISSUED BY KENTUCKY DEPARTMENT OF EDUCATION:

THE COMMONWEALTH DIPLOMA PROGRAM:

1. Successful completion of all minimum requirements of the pre-college preparation curriculum.
2. Successful completion (i.e., receiving a grade of "C" or its equivalent) of at least four (4) courses as described in the Advanced Placement (AP) Program Course Description booklets of the College Entrance Examination Board:
 - a. English (1 course)
 - b. Science or Mathematics (1 course selected from biology, chemistry, physics or calculus)
 - c. Foreign Language (1 course selected from French, German, Latin or Spanish)
 - d. One additional AP course (selected from English, science, foreign language, history, computer science, political science, music or art)
3. Completion of AP examinations in 3 of the 4 required AP courses as stipulated by the Kentucky Department of Education.
4. Students receiving a minimum composite score of 8 on the three required exams will be reimbursed for those three exams.



Pre-College Curriculum

Kentucky Council on Postsecondary Education

First-time freshman under age 21 who enrolls in a four-year degree program at a Kentucky public university must complete the PCC. Students who transfer to a four-year degree program or convert to baccalaureate status with fewer than 24 semester credit hours may be subject to PCC requirements.

English/Language Arts – 4 credits required

English I
English II
English III
English IV (or AP English)

Mathematics – 3 credits required

Algebra I
Algebra II
Geometry

Science – 3 credits required

Credits to include life science, physical science, and earth/space science
(at least one lab course)

Social Studies – 3 credits required

From U.S. History, Economics, Government, World Geography and World Civilization

Health – ½ credit required

Physical Education – ½ credit required

History and Appreciation of Visual, Performing Arts – 1 credit required

History and appreciation of visual and performing arts or another arts course that incorporates such content

Foreign Language – 2 credits required

or demonstrated competency

Electives – 5 credits required (3 rigorous)

Recommended strongly: 1 or more courses that develop computer literacy

Total Credits: 22

17 required credits; 5 elective credits

ART DEPARTMENT

COURSE: 502 - BASIC DESIGN & DRAWING
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE (Introductory Class)

Basic Design & Drawing is a two-part introductory level art studio. Part one: students will learn historical content, basic fundamentals and processes of design including a variety of in-depth assignments which explore visual elements and design principles. In addition, students will utilize knowledge and skills to create a variety of graphic design assignments such as logo design, letterhead design, signage, pop art and printmaking. Part two: This is an introductory art studio in which students learn historical content, basic fundamentals and processes of drawing such as design, color theory and basic drawing techniques as well as explore various drawing media.

COURSE: 504 - PAINTING
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: BASIC DESIGN & DRAWING WITH A GRADE OF "A" OR ART INSTRUCTOR RECOMMENDATION

Painting is an advanced art studio in which students learn historical content, basic fundamentals and processes of painting such as design, color theory and painting techniques

COURSE: 508 - SCULPTURE
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: BASIC DESIGN & DRAWING WITH A GRADE OF "A" OR ART INSTRUCTOR RECOMMENDATION

Sculpture is an advanced art studio in which students learn historical content, basic fundamentals and processes of sculpture such as design, clay modeling, relief, and assemblage and construction techniques.

COURSE: 510 - ADVANCED STUDIO
CREDIT: 1

GRADE: 12
PREREQUISITE: BASIC DESIGN & DRAWING, PAINTING, SCULPTURE (ALL WITH GRADE OF "A") OR ART INSTRUCTOR RECOMMENDATION

"A") OR RECOMMENDATION

Students will be working independently to create original artworks in a variety of art media including drawing, painting, sculpture, ceramics and photography.

COURSE: 514 - ADVANCED STUDIO (ACCELERATION)
CREDIT: 1 (may be repeated with instructor permission)

GRADE: 9-12
PREREQUISITE: ART PORTFOLIO SCORE OF 80-100 OUT OF 100 POINTS

1. A portfolio consisting of (8) artworks is submitted to the art instructor for review and scoring.
2. The student must obtain a portfolio scoring rubric and instructions from the art teacher and complete and submit the portfolio for review before class scheduling for the following academic year.
3. The student will be informed promptly of his/her portfolio score with suggestions on improvement for re-submittal if applicable.

COURSE: 512 - AP ART
CREDIT: 1

GRADE: 12
PREREQUISITE: ART INSTRUCTOR RECOMMENDATION

This course will follow the program of studies recommended by the College Board and will prepare students in presenting a portfolio of work to the College Board for AP evaluation. All work must be completed as the required by the AP guidelines in order to receive a grade of an "A" in this course. It is highly recommended that the student has previously taken three or more studios prior to this course.



BUSINESS AND RETAILING DEPARTMENT

COURSE:	602 - ACCOUNTING AND FINANCE FOUNDATIONS	GRADE:	10-12
CREDIT:	1	PREREQUISITE:	NONE

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development will be provided through FBLA. The accounting principles taught in this course are based on a double-entry system and include preparing worksheets, journals, payroll taxes, and financial statements for a sole proprietorship, partnership, and corporation. Opportunities for exposure to automated accounting are provided. This course is highly recommended for those students planning post-secondary study in any area of accounting, business, or economics. There is a \$30.00 workbook fee required for this course. Leadership will be provided through FBLA.

COURSE:	604 - FINANCIAL ACCOUNTING	GRADE:	11-12
CREDIT:	1	PREREQUISITE:	ACCOUNTING AND FINANCE FOUNDATIONS WITH GRADE OF "C" OR HIGHER

The accounting principles taught in this course include an in-depth study of accounting principles, procedures, and techniques used in keeping financial records for sole proprietorships, partnerships, and corporations. There is an emphasis on automated accounting. Topics include a more analytical approach to accounting. Leadership development will be provided through FBLA. Students may take this credit during their senior year concurrently with Business co-op.

COURSE:	702 - COMPUTER / TECHNOLOGY APPLICATIONS I	GRADE:	9-12
CREDIT:	0.5	PREREQUISITE:	NONE

The first semester course will provide students with entry-level experience with practical applications through hands on use of word processing, spreadsheets, database, presentation, and web design software. Leadership development will be provided through FBLA.

COURSE:	704 - COMPUTER / TECHNOLOGY APPLICATIONS II	GRADE:	9-12
CREDIT:	0.5	PREREQUISITE:	NONE

The second semester course will provide students with more advanced use of word processing, spreadsheets, database, presentation, and web design software and will also include an introduction to desktop publishing, electronic communications, introduction to and the Internet. Leadership development will be provided through FBLA.

COURSE:	705 - ADV COMPUTER / TECHNOLOGY APPLICATIONS	GRADE:	10-12
CREDIT:	1	PREREQUISITE:	COMPUTER / TECHNOLOGY APPLICATIONS I AND II

This course is designed to provide students an advanced-level experience with practical applications through hands-on instruction. Course content will include understanding of various 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. Upon completion of this course, a student will be ready to take the core level tests for MOS Certification and/or the Administrative Support Skill Standards Certificate. Students may take this credit during their senior year concurrently with co-op.

COURSE:	700 - TECHNOLOGY AIDE	GRADE:	11-12
CREDIT:	1	PREREQUISITE:	APPLICATION

Students in this course will manage a school computer lab under the supervision of an instructor. Students must possess a demonstrated skill with computer applications and networking. Technology aides will use a variety of computer skills, required for trouble shooting computers, which include network management, graphics, word processing, and multimedia and hardware maintenance. For a culminating project, students will give a report about some aspect of lab maintenance to the technology committee prior to the end of each semester. Application required.

COURSE:	711 - WEBSITE PUBLISHING	GRADE:	9-12
CREDIT:	1	PREREQUISITE:	APPLICATION

This course applies website publishing concepts through the development and maintenance of pages for the school web site. Students will use Adobe Creative Suite's Dreamweaver and Flash software as well as HTML and JavaScript programming to create pages. Students will create HTML documents including tags, files, links, tables, frames, forms, images, and text; use software packages to create a multimedia web page with dynamic content such as the incorporation of sound files, digital photography, video files, and images into a web page; identify browser restrictions; analyze, create, and organize navigational links; practice appropriate use of copyright, licensing, and downloading protocols; and practice responsible internet security precautions. Recommended for students with an interest in web site design and a fundamental understanding of multimedia and publishing electronically. Some knowledge of HTML and Photoshop is recommended. Students must be self-motivated and creative. Prior approval of the website instructor is required and applications may be obtained from the instructor. Leadership development will be provided through STLP, Student Technology Leadership Program. Applications are available electronically from diane.simmons@bgreen.kyschools.us.

COURSE:	629 - BUSINESS PRINCIPLES / APPLICATIONS	GRADE:	9-12
CREDIT:	1	PREREQUISITE:	NONE

This course establishes basic foundation 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 personnel 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.

COURSE:	630 - BUSINESS ECONOMICS	GRADE:	9-12
CREDIT:	0.5	PREREQUISITE:	NONE

This course meets the graduation requirement for Economics providing students with an in-depth study of how people produce, distribute, and consume goods and services. Economic terminology and theory as well as the global impact of international economics are emphasized. A comparison of economic systems and policies is integral to the course. Leadership development will be provided through FBLA and/or DECA.

COURSE:	608 - BUSINESS MANAGEMENT	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	NONE

This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership; typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA and/or DECA.

COURSE:	615 - MATHEMATICS FOR BUSINESS & INDUSTRY	GRADE:	10-12
CREDIT:	1	PREREQUISITE:	ALGEBRA I

This course enables the student to explore mathematical content for personal, business and industrial use. Math concepts and skills are applied through study and problem-solving activities in real-world situations in the following areas: banking, measurement, borrowing and investing, consumer purchases and financial management. Appropriate business forms are used in each unit. Leadership development will be provided through Future Business Leaders of America (FBLA).

COURSE:	631 or 632 - BUSINESS COOPERATIVE	GRADE:	11-12
CREDIT:	1 or 2	PREREQUISITE:	2 BUSINESS CREDITS, ENROLLED IN UPPERLEVEL COURSE, COMPLETE A WORK-BASED ORIENTATION, GOOD ATTENDANCE & WORK ETHIC

One or two credits can be earned in this work-based learning program. This program is designed to help students successfully transition from a school setting to the workplace. The Business Coordinator will aid students in finding a work site; however, students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: a signed transportation agreement including driver's license and proof of liability insurance, proof of student school insurance, proof of worker's compensation insurance from the business/industry, and a state police background/records check on the business supervisor. Additional requirements: work-based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 95% Attendance and be recommended by a business teacher. Students must be enrolled in Financial Accounting or Advance Computer/Tech. Students must work a total of 350 hours (10 hours per week) regardless if earning one or two credits. After registering for the class, students will be contacted and informed of when they can attend a work-based orientation.

COURSE:	634 - PRINCIPLES OF MARKETING	GRADE:	9-12
CREDIT:	1	PREREQUISITE:	NONE

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

COURSE:	635 - ENTREPRENEURSHIP	GRADE:	9-12
CREDIT:	1	PREREQUISITE:	NONE

This course provides students the opportunity to explore the rewards and risks of business ownership. Emphasis is given to the characteristics of successful entrepreneurs: planning, organizing and beginning a business; financing and managing the enterprise; franchising opportunities; and sources of financing. Cooperative and/or shadowing experiences may be used to enhance course instruction. In this class, students will create and set up a school-based enterprise and/or business simulation. Leadership development will be provided through FBLA and/or DECA.

COURSE:	638 - ADVANCED MARKETING	GRADE:	12
CREDIT:	1	PREREQUISITE:	PRINCIPLES OF MARKETING

This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, employee/employer relations, for a wide range of marketing careers. This course offers the opportunity for developing advanced skills that are appropriate for careers in sports marketing, hospitality and tourism, general marketing, retailing, hotel/motel, etc. Students in this course can earn additional credits through marketing retail on-the-job training utilizing the cooperative education method of instruction. Leadership development will be provided through DECA.

COURSE:	644 - SPORTS / ENTERTAINMENT MARKETING	GRADE:	9-12
CREDIT:	0.5	PREREQUISITE:	NONE

This course is designed to provide training of skills necessary for positions in the Sports and Entertainment field and expose the students to jobs at the mid-management, specialist or supervisory level. Instruction includes marketing skills, skills and techniques of advertising and promotions, psychology of selling, and management associated with the marketing of leisure-time activities and events. Leadership development will be provided through DECA.

COURSE:	641 or 642 - RETAILING COOPERATIVE	GRADE:	11-12
CREDIT:	1 or 2	PREREQUISITE:	2 BUSINESS / MARKETING CREDITS, ENROLLED IN AN UPPER LEVEL COURSE, & COMPLETE A WORK-BASED ORIENTATION

One or two credits can be earned in this work-based learning program. This program is designed to help students successfully transition from a school setting to the workplace. The Business Coordinator will aid students in finding a work site; however students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: a signed transportation agreement including driver's license and proof of liability insurance, proof of student school insurance, proof of worker's compensation insurance from the business/industry, and a state police background/records check. Additional requirements: work-based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% attendance record and be recommended by a business teacher. Students must be enrolled in Advanced Marketing. Students must work a total of 350 hours (10 hours per week) regardless if in earning one or two credits. After registering for the class, students will be contacted and informed of when they can attend a work-based orientation.

CAREER AND TECHNICAL EDUCATION

TECHNOLOGY EDUCATION

COURSE: 1500 - INDUSTRIAL SAFETY
CREDIT: 0.5

GRADE: 11-12
PREREQUISITE: NONE

This course provided practical training in industrial safety. The students are taught to observe general safety rules and regulations, to apply work-site and shop safety rules and to apply OSHA regulations. Students are expected to obtain certification in first aid and cardio-pulmonary resuscitation (CPR). This class will follow the Kentucky Tech curriculum for (ISX100). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: 1501 - WORKPLACE PRINCIPLES
CREDIT: 0.5

GRADE: 11-12
PREREQUISITE: NONE

Workplace Principles examine the changing workforce and the skills needed to adapt to constantly changing demands and expectations. The course includes, but is not limited to: problem-solving, teamwork, time management and self-management skills. Job-seeking and job-retention skills are taught through the development of resumes and job search materials. Maximum benefit is received if this course is taken in the latter part of the student's course work. This class will follow the Kentucky Tech curriculum for (WPP200). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: 1410 - COMPUTER AIDED DRAFTING (C.A.D.)
CREDIT: 1

GRADE: 10-12
PREREQUISITE: NONE

Drafting/Computer Assisted Design Technology is a comprehensive laboratory based course including the fundamentals of drafting. Sketching, board drafting and computer applications in drafting and design will be emphasized. Students will use design briefs to solve drafting related problems in the four technology systems. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product. Participation in the Kentucky Technology Student Association (KTSA) will also be an integral part of this course. This class will follow the Kentucky Tech curriculum for (DFT122). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

CARPENTRY

COURSE: 1512 - INTRO TO CONSTRUCTION CARPENTRY
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE

This class will teach students to perform to national construction industry standards. The program will include core building courses in residential and light commercial blueprint reading, construction methods, safety and construction related math. The course will follow the Kentucky Tech curriculum for Carpentry (CAR126). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: 1516 - FLOOR AND WALL FRAMING
CREDIT: 1

GRADE: 10-12
PREREQUISITE: INTRO TO CONSTRUCTION CARPENTRY

This class will teach students current standards and techniques in floor framing, layout and the construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced. The course will follow the Kentucky Tech curriculum for Floor and Wall Framing (CAR190). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: 1514 - CEILING AND ROOFING
CREDIT: 1

GRADE: 10-12
PREREQUISITE: INTRO TO CONSTRUCTION CARPENTRY

This course will cover various roof types and combinations of roof types used in industry. The major emphasis of this course is on the layout, cutting and installing ceiling joists, rafters, and roof decking and roof coverings. This course will follow the Kentucky Tech curriculum for Ceiling and Roof Framing (CAR196). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: 1517 - SITE LAYOUT AND FOUNDATIONS
CREDIT: 1

GRADE: 10-12
PREREQUISITE: INTRO TO CONSTRUCTION CARPENTRY

Students will prepare materials, calculate the cost for a building site and layout a site with a builder's transit, locating property lines and corners. Students will also calculate the amount of concrete needed for footing and foundation walls. Course will include constructing different types of foundations and formwork. This class will follow the Kentucky Tech curriculum for Site Layout and Foundations (CAR140). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: 1519 - CONSTRUCTION CO-OP I
CREDIT: 2

GRADE: 12
PREREQUISITE: COMPLETION OF 2 CONSTRUCTION CREDITS & 1 CONCURRENT CREDIT

Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work. Students will work a minimum of 10 hours per week and must maintain a 2.0 GPA. This class will follow the Kentucky Tech curriculum for Co-op 1 – Carpentry (CAR199). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

AUTOMOTIVE TECHNOLOGY

COURSE: AUT110 / AUT111 - BRAKE SYSTEMS / LAB **GRADE:** 9-12 **(1503/1504)**
CREDIT: 0.5 each semester - Dual Credit Course with BGTC **PREREQUISITE:** NONE

This course involves the operational theory and application hydraulic and anti-lock brake system: disc and drum brakes are discussed. This course is equivalent to 3 hours credit at KCTCS leading to the O-Net certificate. Will develops skills in diagnosing and repair of hydraulic and anti-lock brake systems, covering both disc and drum braking systems. This class will follow the Kentucky Tech curriculum for (AUT110/111). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: AUT160 / AUT161 - SUSPENSION & STEERING / LAB **GRADE:** 10-12 **(1505/1506)**
CREDIT: 0.5 each semester - Dual Credit Course with BGTC **PREREQUISITE:** NONE

This course presents the automotive suspension system, the diagnosing of suspension problems, identifying components, recognizing tire wear problems, wheel balancing and the use of alignment equipment. Develops skills in the diagnosis and repair of automotive systems, wheel alignment and wheel balancing. This class will follow the Kentucky Tech curriculum for (AUT160/161). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: ADX170 / ADX171 - CLIMATE CONTROL / LAB **GRADE:** 10-12 **(1507/1508)**
CREDIT: 0.5 each semester **PREREQUISITE:** NONE

This course introduces the theory and operation of heating and air conditioning systems. Air conditioning systems are emphasized. Course presents opportunities to troubleshoot, repair and perform maintenance on heating and air conditioning systems. Safety precautions, special tool uses, component operation and how to service and troubleshoot the complete system will be experienced. This class will follow the Kentucky Tech curriculum for (AUT170/171). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: ADX120 / ADX121 - BASIC AUTO ELECTRICITY/LAB **GRADE:** 10-12 **(1510/1513)**
CREDIT: 0.5 each semester **PREREQUISITE:** NONE

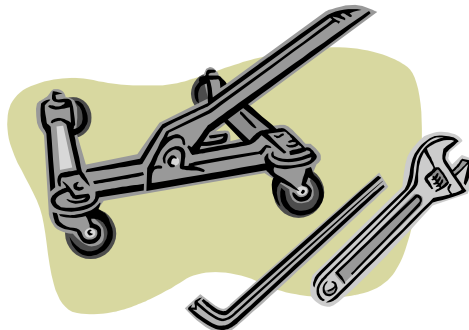
Basic Automotive Electricity introduces the student to the principles, theories and concepts of the automotive electrical system that includes the unique diagramming, coding and locating of wiring and component devices. Basic Automotive Electricity Lab is a hands-on class is designed to allow the student to use the concepts, principles and theories covered in Basic Automotive Electricity ADX120 in practical application. This class will follow the Kentucky Tech curriculum for (AUT260/261). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: AUT198 - AUTO TECHNOLOGY PRACTICUM I **GRADE:** 11-12 **(1509)**
CREDIT: 2 **PREREQUISITE:** BRAKE SYSTEMS AND SUSPENSION & STEERING

This practicum provides supervised on-the-job work experience related to the student's educational objectives. Students who participate in the practicum do not receive compensation. This class will follow the Kentucky Tech curriculum for (AUT198). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.

COURSE: AUT199 - AUTOMOTIVE TECHNOLOGY CO-OP I **GRADE:** 11-12 **(1511)**
CREDIT: 2 **PREREQUISITE:** COMPLETION OF 2 AUTOMOTIVE CREDITS & 1 CONCURRENT CREDIT

Co-op provides supervised on-the-job work experiences related to the student's educational objectives. Students who participate in the cooperative education program receive compensation for their work. Students will work a minimum of 10 hours per week and must maintain a 2.0 GPA. Students should have sincere desire and interest in achieving an Associate Degree and/or Automotive Certification. Technical reading, writing and mathematics will be used in this class. Good attendance, conduct and compliance with professional standards are required. Students and parents must meet with the instructor prior to acceptance. This class will follow the Kentucky Tech curriculum for (AUT199). Leadership and professionalism will be provided through VICA and by participation in the Skills USA - VICA program.



COMMUNICATIONS

COURSE:	701 - SPECIAL TOPIC - MEDIA BROADCAST JOURNALISM (PURPLE VISION)	GRADE:	10-12
CREDIT:	1	PREREQUISITE:	STAFF APPLICATION & COMPLETION OF A COMMUNICATIONS AND COURSE PREFERRED

Students selected to be in this new class will be staff for the Purple Vision, Emphasis will be on gathering and production for broadcast news. Students will learn to write script for feature stories, news, sports and weather. Students will learn to download and edit their own stories and post their work using New Media. Students will learn to edit using a variety of software suites such as iLife, Adobe Master Suite and Final Cut Studio 2. This class requires prior approval. Applications can be picked up from the Guidance Counselors or the Multimedia Instructor. Preference will be given to students who have successfully completed a Communication or Journalism Course with a B average or higher.

COURSE:	707 - INTRODUCTION TO MULTIMEDIA	GRADE:	9-12
CREDIT:	1	PREREQUISITE:	1 COMPUTER CREDIT

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents. These documents include, but are not limited to, brochures, manuscripts, reports, programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers may be utilized in creating the documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through FBLA, STLP &/or VICA. Students entering as freshmen may take the class if recommended by their computer instructor from the BGJHS. **This class will follow the Kentucky Tech curriculum for (VCM100) and an articulation agreement is currently in place for students to earn 3.0 credits from Bowling Green Technical College for Desktop Publishing with a grade of C or higher.**

COURSE:	712 - MULTIMEDIA AUDIO AND VIDEO / LAB	GRADE:	10-12
CREDIT:	1	PREREQUISITE:	INTRODUCTION TO MULTIMEDIA

This class is a continuation of students interested in the area of Multimedia. Students will continue to learn techniques for multimedia audio and digital video acquisition, non-linear techniques, and use of video images on the World Wide Web. This program includes instruction in the operation of various audio and video devices and software. Students will learn to edit using a variety of software suites such as iLife, Adobe Master Suite and Final Cut Studio 2. Students will be involved in creating higher-level video productions that may be used in the Purple Vision Broadcasts, Pep Rallies, and Community Projects. Students will develop communication skills, problem solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through FBLA, STLP &/or VICA (This course can be used as an upper-level credit for co-oping for students interested in a related career.) This class will follow the Kentucky Tech curriculum for (VCM140).

COURSE:	713 - ADVANCED AUDIO AND VIDEO	GRADE:	11-12
CREDIT:	1	PREREQUISITE:	MULTIMEDIA AUDIO AND VIDEO / LAB

This class is a continuation of students interested in the area of Multimedia. This program includes instruction in the operation of various audio and video devices. Students will be involved in creating an even higher-level of video productions. Students will develop communication skills, problem solving techniques, cooperative learning, interpersonal skills and leadership skills. Additional Leadership development will be provided through FBLA, STLP &/or VICA (This course can be used as an upper-level credit for co-oping for students interested in a related career.) This class will follow the Kentucky Tech curriculum for (VCM240).

COURSE:	731 or 732 - COMMUNICATIONS CO-OP I / II	GRADE:	11-12
CREDIT:	1 or 2	PREREQUISITE:	TWO CREDITS RELATED TO COMMUNICATIONS & ENROLLED IN UPPERLEVEL COURSE (COMPLETE A WORK-BASED ORIENTATION)

AN

One or two credits can be earned in this work-based learning program. This program is designed to help students successfully transition from a school setting to the workplace. The Business Coordinator will aid students in finding a work site; however, students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: a signed transportation agreement including driver's license and proof of liability insurance, proof of student school insurance, proof of worker's compensation insurance from the business/industry, and a state police background/records check on the business supervisor. Additional requirements: work-based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% and be recommended by a business teacher. Students must be enrolled in Multimedia Audio and Video or Advanced Audio-Video. Students must work a total of 350 hours (10 hours per week) regardless if earning one or two credits. After registering for the class, students will be contacted and informed of when they can attend a work-based orientation. This class will follow the Kentucky Tech curriculum for (VCM199/VCM299).

HEALTH SCIENCE

The Health Sciences Program is for students interested in a potential career in a healthcare. These students should have expressed an interest in the medical/healthcare field on their ILP. The recommended entry-level course is Principles of Health Science as a freshman, sophomore, or junior. See Career and Technical Education booklet for recommended course sequence.

COURSE:	1530 - PRINCIPLES OF HEALTH SCIENCE	GRADE:	9-12
CREDIT:	1	PREREQUISITE:	GPA 3.0, very good attendance and no disciplinary actions within the past 12

months.

Principles of Health Science is an orientation and foundation for occupations in the health care industry. The student will learn about the health care industry and career opportunities available. Leadership development, employability skills and medical terminology will be integrated throughout the course. This introductory course may be a prerequisite for additional courses in the Health Science Program. All core content for Vocational Studies is included in this course. This class will follow the Kentucky Tech curriculum for (HEA 102). Leadership development will be provided through HOSA. Students are greatly encouraged to take AP science and AP math courses during their high school career in order to better prepare them for college.

COURSE:	1532 - EMERGENCY PROCEDURES	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	PRINCIPLES OF HEALTH SCIENCE WITH A GRADE OF "B" OR HIGHER

This course requires a lot of memorization. This course will focus on potential emergency situations. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. Upon successful completion of the course, the student will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation (CPR) and will be given the opportunity to take the completion examination as outlined by the sponsoring agency. This course is taught as a prerequisite to Medicaid Nurse Aide and to co-op. Preference will be given to those students who have already taken Principles of Health Science. This class will follow the Kentucky Tech curriculum for (CPR 100/SFA 100). Leadership development will be provided through HOSA.

COURSE: 1534 - MEDICAL TERMINOLOGY	GRADE: 10-12
CREDIT: 0.5 - Dual Credit Course with BGTC	PREREQUISITE: PRINCIPLES OF HEALTH SCIENCE WITH A GRADE OF "C" OR HIGHER

This course is an intense study of the medical language used in all health career major areas. It is an overview of the basic techniques used in medical word building. Emphasis is on basic anatomy, physiology, pharmacological terms and diagnostic procedures. Medical Terminology includes writing exercises, research and connections to medical science. This course is taught as a prerequisite to Medicaid Nurse Aide. Preference will be given to those students who have already taken Principles of Health Science. This class will follow the Kentucky Tech curriculum for (AHS 120). Leadership development will be provided through HOSA.

COURSE: 1535 - MEDICAID NURSE AIDE	GRADE: 11-12
CREDIT: 2	PREREQUISITE: PRINCIPLES OF HEALTH SCIENCE, MEDICAL TERMINOLOGY AND EMERGENCY PROCEDURES WITH "B" AVERAGE AND VERY GOOD ATTENDANCE, NO DISCIPLINARY ACTIONS, A CLEAR BACKGROUND CHECK AND NO ABUSE LISTED ON THE STATE REGISTRY

This course is designed to offer specific knowledge and skills for students and/or potential nurse aides to assume the roles and responsibilities required in long-term care. The information and skills are taught through lectures, labs and clinical practice. The focus of the course is communication, infection control, safety, resident's rights and basic nursing skills. The course will consist of a minimum of seventy-five hours, sixteen hours of which will be practical application/clinical experience in a long-term care facility. Upon completion of the course the student with a B average on exams will be able to take the Kentucky Medicaid Nurse Aide Examination at KCTCS to be registered as an MNA in Kentucky.

During the first three weeks of the course students are required to have

- Current immunization record
- TB skin test (two-step) and other documentation as indicated
- Current liability insurance that extends throughout the entire course obtained through the class at a cost of approximately \$20.00 per student.
- Police background check obtained through the class at a cost of approximately \$10.00 per student.
- Drug screen as required by facility policies
- Hepatitis B immunization series or signed refusal
- White uniform, white shoes, and watch with second-hand
- Membership in Health Occupation Students of America at a cost of approximately \$15.00 per student.

A representative from the Bowling Green Independent School District staff will be checking the Nurse Aide Registry to assure students are not listed as having a complaint registered against them.

COURSE: 1536 or 1537 - HEALTH CARE FUNDAMENTALS	GRADE: 12
CREDIT: 1 or 2	PREREQUISITE: PRINCIPLES OF HEALTH SCIENCE, MEDICAL TERMINOLOGY AND EMERGENCY WITH "B" AVERAGE, GOOD DISCIPLINARY

PROCEDURES ATTENDANCE AND NO ACTIONS

COURSE: 1538 or 1539 - HEALTH CARE PRACTICUM	GRADE: 12
CREDIT: 1 or 2	PREREQUISITE: PRINCIPLES OF HEALTH SCIENCE, MEDICAL TERMINOLOGY AND EMERGENCY WITH "B" AVERAGE, GOOD DISCIPLINARY

PROCEDURES ATTENDANCE AND NO ACTIONS

- One or two credits can be earned in each of these work-based learning programs. These programs are designed to help students successfully transition from a school setting to the workplace. The Health Science Instructor will aid students in finding a work site; however, students are responsible for actively participating in the job search. Students will be placed according to performance abilities and career interests. The student must provide the following: A signed transportation agreement including driver's license and proof of liability insurance, proof of student school insurance, proof of worker's compensation insurance from the business/industry, and a state police background check on the business supervisor.
- Current immunization record
- TB skin test (two-step) and other documentation as indicated
- Current liability insurance that extends throughout the entire course obtained through the class at a cost of approximately \$20.00 per student.
- Police background check obtained through the class at a cost of approximately \$10.00 per student.
- Drug screen as required by facility policies
- Hepatitis B immunization series or signed refusal
- White uniform, white shoes, and watch with second-hand
- Membership in Health Occupation Students of America at a cost of approximately \$15.00 per student.

Additional requirements: Work based learning projects will be assigned as well as weekly journals. In order for students to co-op they must possess exemplary personal conduct/behavior at school and in the work place, have at least a 97% average and be recommended by the health sciences instructor. Students must work a total of 350 hours (10 hours per week) regardless if earning one or two credits. Students in work based learning without reimbursement are enrolled in Fundamentals. Students reimbursed for work based learning are enrolled in Health Care Practicum.

ENGLISH DEPARTMENT

COURSE: 101 - ENGLISH I
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE

This course builds greater awareness of expression skills introduced in junior high school. The skills shall include reading, writing, and speaking. Content shall consist of formal grammar, basic types of literature, and oral communication. Each student shall demonstrate skills in reading, writing, and oral presentation.

COU

RSE: 115 - ENGLISH I - PRE-ADV PLACEMENT (PRE-AP)
CREDITS: 1

GRADE: 9
PREREQUISITE: NONE

This course is designed for students who wish to develop the critical thinking, reading and writing skills required for success in college. The four areas of emphasis in this course are developing critical thinking and reading skills through an intensive reading program of novels, short stories, poetry, drama and non-fiction; building competency in grammar; improving vocabulary knowledge; developing analytical, narrative, expository and imaginative writing skills. A summer reading assignment may be assigned after registration.

COURSE: 102 - ENGLISH II
CREDIT: 1

GRADE: 10-11
PREREQUISITE: ENGLISH I

This course is designed to improve English language arts and skills. Students will study world literature including short stories, novels, plays, poetry, essays, and letters. Students will demonstrate correct oral and written communication based on literature. Students shall be required to produce a portfolio of writing and address careers and communications issues.

COURSE: 125 - ENGLISH II - PRE-ADV PLACEMENT (PRE-AP)
CREDIT: 1

GRADE: 10
PREREQUISITE: ENGLISH I-APP

English II APP builds on the reading, writing, listening and thinking skills fostered in English I APP through a study of literary genres that come predominantly from American literature, through a study of grammar and through class discussions, projects, presentations, independent reading, research and writing.

COURSE: 103 - ENGLISH III
CREDIT: 1

GRADE: 11-12
PREREQUISITE: ENGLISH II

This course continues to develop student competency in various language art skills and to enrich student knowledge of literary genres focusing on American authors and culture. Content emphasizes instruction in essay composition, the research process, oral language, and literature appreciation/comprehension.

COURSE: 113 - ENGLISH III - CREATIVE WRITING OPTION
CREDIT: 1

GRADE: 11
PREREQUISITE: ENGLISH II

As with the standard English III offering, this course continues to develop student competency in various language art skills and to explore literary genres that focus on American authors and culture, but with an added emphasis on creative writing. This class is intended for those students wishing to expand their creative writing experiences beyond that of the traditional English III offering.

COURSE: 135 - AP ENGLISH LANGUAGE & COMPOSITION (ENG III)
CREDIT: 1

GRADE: 11-12
PREREQUISITE: ENGLISH II-APP

English III AP builds on those skills fostered in English II APP through a study of literary genres that come predominantly from British literature, through a study of grammar and through class discussions, projects, presentations, independent reading, research and writing. Students may choose to take the Advanced Placement English Language and Composition College Board Exam in May to earn up to six hours' college credit. As with any AP course, students will earn three additional percentage points, to be added to each semester average.

COURSE: 104 - ENGLISH IV
CREDIT: 1

GRADE: 12
PREREQUISITE: ENGLISH III

In addition to the production of the senior Writing Portfolio, this course further develops student competencies in use of critical thinking strategies in support of reading comprehension, as well as writing. Literary study will focus on the literature of Great Britain and selected works from non-European cultures. Instruction in this course also supports the goals and expectations of the Kentucky School-to-Work transition system including the acquisition of academic and technical skills needed by students to achieve career goals.

COURSE: 145 - AP LITERATURE COMPOSITION (ENG IV)
CREDIT: 1

GRADE: 12
PREREQUISITE: AP ENGLISH LANGUAGE & COMPOSITION

English IV AP is designed for those students who have attained the reading and writing skills generally required for introductory college courses in composition and literature, and who desire an advanced, concentrated study of rhetorical skills. Students will study representative works from numerous genres and periods, and build on those skills fostered in English III AP. Students may choose to take the Advanced Placement English Literature and Composition College Board Exam in May to earn up to six hours' college credit. As with any AP course, students will earn three additional percentage points, to be added to each semester average.

COURSE: 155 - ENGLISH IV - COLLEGE PREP
CREDIT: 1

GRADE: 12
PREREQUISITE: ENGLISH III

In addition to the production of the senior Writing Portfolio, this course is designed for students who wish to develop the reading, writing and critical thinking skills required for success in college. Based on the literature of Great Britain, the class develops and applies higher level thinking skills in reading a variety of literary genres, class discussions, projects, presentations, research and analytical writing. Material is covered at an accelerated pace in comparison to regular English IV. Open enrollment.

COURSE: 168 - JOURNALISM I - BEGINNING REPORTING
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE

This course is designed to give the student background for a wide variety of journalistic skills and theories. Class members learn such skills as graphic design, photography, business management and advertising as well as sports, news and editorial writing. Some hands-on experiences will be provided in producing the school newspaper, *The Purple Gem*.

COURSE: 161 - JOURNALISM II - PURPLE GEM NEWSPAPER
CREDIT: 1

GRADE: 10-12
PREREQUISITE: STAFF APPLICATION

This advanced journalism course produces 6-8 issues of the school newspaper per year, In addition to using the Macintosh computers to develop stories, photographs and

page designs, students will have access to the school's darkroom and may apply for staff leadership positions in business management, ad sales and editing. This class requires prior approval. Applications can be picked up from any current staff member or in the journalism lab, room E-12, 13. Preference will be given to students who have successfully completed the Journalism I course.

COURSE:	162 - JOURNALISM II - BEACON YEARBOOK	GRADE:	10-12
CREDIT:	1	PREREQUISITE:	STAFF APPLICATION

Do photography, feature writing, art layout and design, and computers sound interesting to you? This advanced journalism course combines all these skills to create a spring delivery yearbook. This class requires prior approval. Applications can be picked up from any current staff member or in the journalism lab, room E-12, 13. Preference will be given to students who have successfully completed the Journalism I course.

COURSE:	163 - JOURNALISM III - PUBLICATIONS/COMP LAB	GRADE:	11-12
CREDIT:	0.5	PREREQUISITE:	CURRENT/PRIOR ENROLLMENT IN JOURNALISM II CLASS AND APPROVAL

ADVISOR'S

This advanced journalism course is designed for students who want to enhance their leadership, business management, editing, photography or desktop publishing skills. Students enrolled in this class will work to meet the student's needs as well as the school publications' needs. This course demands responsibility and independent learning styles; prior approval is required. See a publications advisor for an application.

COURSE:	199 - MODERN LITERATURE	GRADE:	11-12
CREDIT:	0.5	PREREQUISITE:	NONE

Beginning with works from the 1920's, this course focuses exclusively on the study of twentieth century literature. The class will emphasize critical thinking in response to significant works of fiction, drama, and poetry selected to complement works studied in the required English classes. Special attention will be given to multi-cultural literature and to interdisciplinary approaches.

COURSE:	164 - SPEECH COMMUNICATION I	GRADE:	9-12
CREDIT:	0.5	PREREQUISITE:	PERFORMANCE BASED CLASS

Students need strong skills needed in researching, writing, organizing, creative and critical thinking, and willingness to present and perform a variety of original work as well as presenting research findings. This course will focus on the essential elements of speech: self-concept, audience analysis, listening, types of communication, mastery of speech writing and public speaking skills. These same skills will be enhanced during second semester through interpretive reading and study of oral interpretation. This course is designed for preparing, refining and shaping the student for successful communication situations.

COURSE:	165 - SPEECH COMMUNICATION II	GRADE:	9-12
CREDIT:	0.5	PREREQUISITE:	PERFORMANCE BASED CLASS

Students need strong skills needed in researching, writing, organizing, creative and critical thinking, and willingness to present and perform a variety of original work as well as presenting research findings. Building on the skills acquired from Speech Communication I, this course will be enhanced through interpretive reading, study of oral interpretation and participation in Student Congress. This course is designed for preparing, refining and shaping the student for successful communication situations and expression.

COURSE:	177 - WRITING W / LAB	GRADE:	11-12
CREDIT:	0.5	PREREQUISITE:	NONE

Advanced Placement English juniors and seniors may take writing lab for either one or two semesters. This elective class provides opportunities mainly for extended peer and teacher conferencing on writing. In addition, the fall semester includes ACT/SAT preparation and the writing of college essays. The spring semester emphasizes the senior writing portfolio and preparation for the Advanced Placement Literature and Language College Board Exams.

COURSE:	178 - CREATIVE WRITING	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	NONE

This course includes basic study of the creative process and practical application of these writing skills, primarily fiction, short story, poetry and plays. Students will manage a creative writing publication, 2nd semester.

COURSE:	179 - SENIOR SEMINAR	GRADE:	12
CREDIT:	0.5	PREREQUISITE:	SENIORS ONLY

Senior Seminar is an elective course open to seniors. Using a seminar approach, students will explore a wide array of topics, following research and presentation guidelines designed to help prepare those who plan on attending college. Topics include, but are not limited to the following: problem solving, interpersonal skills, the Vietnam War, Nazi Germany and the Holocaust, comparative religions, euthanasia, ethics, the influence of media on society, a film studies unit, ACT-SAT and college applications preparation, interviewing and writing skills.

EXIT EXPECTATIONS FOR BGHS ENGLISH COURSES

- Grade 12.....** In order to receive a passing grade/credit for English IV, each student must complete a Writing Portfolio that receives a score of Apprentice or above when scored during the state designated Writing Portfolio scoring window. In order to receive a passing grade/credit for English IV-AP, it is expected that each student complete a Writing Portfolio that scores a Proficient or above when scored during the designated scoring window. A student who does not score an **Apprentice or above** on the portfolio will not receive a passing grade in English IV and will not be permitted to participate in graduation ceremonies.
- Grade 11.....** In order to receive a passing grade/credit for English III, each student must complete a research paper receiving a passing grade (at least 60%). The format, style, subject, and length of the paper will be determined by the classroom teacher.
- Grade 10.....** In order to receive a passing grade/credit for English II, each student must complete a documented essay incorporating one to three sources which receives a passing grade (at least 60%). The format, style, subject, and length of the paper will be determined by the classroom teacher.
- Grade 09.....** In order to receive a passing grade/credit for English I, each student must complete either an annotated bibliography or an "I-Search" paper receiving a passing grade (at least 60%). The format, style, subject, and length of the completed assignment will be determined by the classroom teacher.

**GRADES 9-12: All required English classes at BGHS are year-long classes.
Students entering from block schools will be required to stay in English all year.**

FAMILY AND CONSUMER SCIENCES DEPARTMENT

*All courses include career and consumer units of study. Student must supply needed materials.
Materials list available upon request. Some courses require lab fees.*

COURSE: 824 - INTRODUCTION TO PSYCHOLOGY - PSY100 **GRADE:** 11-12
CREDIT: 1 - Dual Credit Course with WKU **PREREQUISITES:** ABILITY TO MANAGE COLLEGE LEVEL
ACADEMIC EXPECTATIONS

An introductory course providing an overview of the various topics and fundamental concepts in psychology. Topics include principles of behavior, scientific methods of psychology, measurement, learning, perception, motivation, life-span development, personality, abnormal behavior, social behavior, intelligence, and much more. Students will also learn the use of Blackboard, the on-line coursework communication tool at WKU and numerous other universities. See Mrs. Isenhower for a complete description of coursework. Tuition scholarships are available.

COURSE: 825 - INTRODUCTION TO EDUCATION - EDU250 **GRADE:** 12
CREDIT: 1 - Dual Credit Course with WKU **PREREQUISITES:** SEE BELOW

EDU250 is an introductory college level course designed for those that may be thinking about becoming elementary or secondary teachers. Successful completion of the course will give you 3 hours of college credit at WKU and one elective credit at BGHS. This credit may be applied to your education major or may be used as general elective credit at the university level. Students must meet academic requirements. This is a good opportunity to experience college level coursework in a smaller, more individualized setting. Learn how to use the electronic portfolio system at WKU, observe in a wide variety of classrooms, challenge yourself to research, write and report at the college level. Topics of study include: an overview of the teaching profession, learner diversity, societal influence on the educational system, educational philosophy, school funding and regulation, school law: ethical and legal influences on teaching, classroom curriculum and instruction, and much more. Students must travel to other schools for classroom observations and field trips. Students must be able to work independently at high performance levels. See your guidance counselor or Mrs. Isenhower for all the details. Cost: \$235.00. (Subject to change by WKU).

Note: All academically eligible students may take this course, regardless of your career aspirations.

COURSE: 826 - PRINCIPLES OF TEACHING **GRADE:** 11-12
CREDIT: 1 **PREREQUISITES:** CONCURRENTLY with EDU 250

Principles of Teaching is designed for those that may be considering a career in education, especially early childhood education (pre-school - kindergarten) or elementary education. The EDU 250 course of study will be followed with some minor variations in content and required critical performances.

THIS COURSE OFFERED ON ROTATING EVERY OTHER YEAR BASIS-Offered again in 2011-2012 school year.

COURSE: 828 - LEADERSHIP DYNAMICS **GRADE:** 9-12
CREDIT: 0.5 **PREREQUISITE:** NONE

This course is designed to assist students in developing skills needed to be successful leaders and responsible members of society. The students will develop positive personal attributes and social skills. Emphasis will be placed on intrapersonal, interpersonal, team building and communication skills. Students will apply their knowledge by developing and implementing programs that demonstrate leadership and teamwork. Students will have the opportunity to enter local, regional and state leadership competitions.

COURSE: 830 or 831 - FASHION / INTERIOR DESIGN I & II **GRADE:** 9-12
CREDIT: 0.5 each **PREREQUISITE:** FASHION / INTERIOR DESIGN I

Topics of study: Advanced textile construction, continued development of skills using equipment such as sewing machines, sergers and embroidery machines, advanced pattern layouts and cutting for textile items, research and report on the history of various design styles related to the fashion industry, identify and compare performance standards of various textile materials, produce textile products for clients and special populations. Fashion Design II will be a more in-depth study of the areas covered in Fashion Design I. Students will need to purchase supplies for these courses. These courses replace Apparel Management A and B. Topics of study: Elements and principles of design, especially color theory, furniture styles and arrangements used in home and commercial settings, use of floor, wall and window treatments based on specific design needs, designing within a given budget, measuring skills, reading blueprints, creating floor plans, universal design concepts, comparing performance standards for various design purposes, selecting art and accessories, production of items used in interior design applications. Interior Design II will be a more in-depth study of the topics covered in Interior Design I. Students will use artistic and design principles to render drawings manually and with computer aided design programs. Manual and computer aided designs will be produced in one, two and three dimensional formats. Students will need to purchase supplies for these courses.

COURSE: 807 - CHILD / HUMAN DEVELOPMENT I **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** NONE

Topics of study: Students will: study the effects of heredity and environment on development: intellectual, social, emotional, moral and physical development from conception to through age 5, study the brain, multiple intelligence, child discipline and guidance, parenting techniques, early childhood techniques, development from the perspective of psychology, sociology and anthropology, learn how to plan, prepare and perform activities, skits, books and puppet shows for children. Incorporates critical thinking, problem solving, research and writing, art and human relationship components.

COURSE: 808 - CHILD / HUMAN DEVELOPMENT II **GRADE:** 10-12
CREDIT: 1 **PREREQUISITE:** CHILD/HUMAN DEVELOPMENT I

Topics of study: Growth and development of the child from elementary age through adulthood with a strong emphasis on the teenage and young adult years, understanding the exceptional child, issues and concerns regarding the middle-age and senior years, physical, social, emotional, cognitive, moral development of human beings across the life span, psychological and sociological issues researched for various developmental stages, emphasis on research, reading, writing, critical thinking.

COURSE: 812 - CULINARY SKILLS
CREDIT: 1

GRADE: 10-12
PREREQUISITE: FOODS & NUTRITION

Topics of Study: **Successful completion of Foods and Nutrition is required before taking Culinary Skills.** Hospitality industry as it relates to food service, quality customer service methods, cost and profit analysis of various types of food service businesses, advanced culinary skills used in the preparation of food, presentation techniques, exposure to various work-sites engaged in the preparation of various types of food.

COURSE: 817 - LIFE SKILLS
CREDIT: 1

GRADE: 9-10
PREREQUISITE: NONE

Learn about personal skills necessary for success in school and work; units of study in child/human development, personal development, study skills, consumer issues, food/clothing/housing, crafting skills, relationships, leadership, drug prevention, personality development, contemporary social issues. Incorporates critical thinking, problem solving, writing components and math.

THIS COURSE OFFERED ON ROTATING EVERY OTHER YEAR BASIS-Offered again in 2011-2012 school year.

COURSE: 821 - RELATIONSHIPS
CREDIT: 0.5

GRADE: 9-12
PREREQUISITE: NONE

Topics of study: Understanding self, understanding others in various social/personal relationships such as family, school, work, community, etc., psychology of personality types, sociological theories related to human interactions, selecting a date, dating protocol, dangerous and/or dysfunctional relationships, selecting a lifetime mate, family dynamics, step-family dynamics, techniques for strengthening mental and emotional wellness throughout life.

COURSE: 838 - FOODS AND NUTRITION
CREDIT: 0.5

GRADE: 9-12
PREREQUISITE: NONE

Learn how to prepare basic foods of the American diet. Practice and learn about food preparation skills, nutrition, management of food resources and careers in the food industry. Impress your friends and family with the wide array of delicious foods you will be able to cook.

**Students will have the opportunity to join two student leadership organizations:
Family, Career and Community Leaders of America (FCCLA) and
Future Educators of America (FEA)**

FOREIGN LANGUAGE DEPARTMENT

COURSE: 901 - SPANISH I **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** NONE
 Provides an introduction to the language and culture of the Spanish speaking world. The objectives are to help each student obtain an acceptable degree of proficiency in the four skills of listening, speaking, reading, and writing and to present the language within the context of the contemporary Spanish speaking world and it's culture.

COURSE: 902 - SPANISH II **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** SPANISH I
 Presents the more complex structures of basic Spanish and expands the cultural themes of the first level. By the end of Spanish II, students will have acquired a command of key vocabulary and structures for personal understanding, as well as, an appreciation of the breadth and variety of the Spanish speaking world.

COURSE: 903 - SPANISH III **GRADE:** 10-12
CREDIT: 1 **PREREQUISITE:** SPANISH II WITH A GRADE OF 80% OR HIGHER
 Expands on the basics of grammar and vocabulary gained in Spanish II. Short stories, newspaper articles, essays, poetry and selections from modern Spanish literature, both from Latin America and Spain, are read and discussed. This class prepares students for the CLEP test in college.

COURSE: 904 - SPANISH IV **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** SPANISH III WITH A GRADE OF 80% OR HIGHER
 Expands on the basic grammar and vocabulary in Spanish III. Students will also be expected to read in Spanish selected literary works from Latin America and Spain. This course also prepares the students for the CLEP test in college.

COURSE: 905 - AP SPANISH LANGUAGE **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** SPANISH III WITH A GRADE OF 80% OR HIGHER
 The Advanced Placement Spanish Language course covers the equivalent of a third year college course in composition and conversation stressing oral skills and grammar. The objectives of the class are:
 1. Ability to comprehend formal and informal spoken Spanish.
 2. Acquisitions of vocabulary and a grasp of structure to allow reading of newspaper and magazine articles as well as Hispanic literature.
 3. Ability to compose expository passages.
 4. Ability to express ideas orally-accurately and fluently. Students taking this class will be expected to do independent study along with the regular classwork assigned to prepare for the AP Exams for third year college credit.
 5. Four years of Spanish are required to successfully complete the AP Exam.

COURSE: 908 - SPANISH 102 (SPANISH III) **GRADE:** 10-12
CREDIT: 1 - Dual Credit Course with WKU **PREREQUISITE:** Spanish I and II with an 80% minimum grade
 Students develop speaking, writing, reading, and listening comprehension skills in Spanish. Following a brief review of elementary Spanish, more advanced grammatical forms and vocabulary will be covered. Spanish 102 is a second semester introductory college level class that is a cooperative program between BGHS and Western Kentucky University enabling students to earn dual credit-both in high school and college. The course taught is WKU's Spanish 102 and equivalent to BGHS's Spanish III. Students successfully completing this class with at least an 80% average will be able to continue on to Spanish IV and Spanish IV - AP at BGHS.

COURSE: 911 - FRENCH I **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** NONE
 This is a study of the French language with emphasis on grammatical concepts, speaking, reading, writing, and culture, which is covered at every level of the language.

COURSE: 912 - FRENCH II **GRADE:** 10-12
CREDIT: 1 **PREREQUISITE:** FRENCH I
 French II is basically a review and continuation of French I. Areas of study include: 1) Complex structures in grammar, 2) Advanced conversation, 3) Writing using complex structures, 4) Reading, listening, understanding at a higher level.

COURSE: 913 - FRENCH III **GRADE:** 10-12
CREDIT: 1 **PREREQUISITE:** FRENCH II WITH A GRADE OF 80% OR HIGHER
 This course is an Independent Study. It introduces the students to literary readings and continues to expand their ability to communicate in French using all language skills.

COURSE: 914 - FRENCH IV **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** FRENCH III WITH A GRADE OF 80% OR HIGHER
 An Independent Study course designed for those who intend to take languages or the CLEP test in college. The emphasis is placed on audio-lingual skills while continuing a review of grammar, and a variety of readings. Each student reads a French novel and a play.

COURSE: 915 - AP FRENCH LANGUAGE **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** FRENCH III WITH GRADE OF "A"
 The Advanced Placement French language course covers the equivalent of a third year college course in composition and conversation stressing oral skills and grammar. The objectives are: 1. Ability to comprehend formal and informal spoken French, 2. Acquisitions of vocabulary and a grasp of structure to allow reading of newspaper and magazine articles as well as French literature, 4. Ability to express ideas orally and accurately. Students taking this class will be expected to do independent study along with the regular class work offered in French III and French IV to prepare for the Advanced Placement Exam. At the completion of the course, the student may elect to take the National Advanced Placement Exam for third year college credit.

COURSE: 921 - GERMAN I **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** NONE
 German I will focus on developing communicative skills in everyday German. Equal weight is given to basic grammatical concepts, listening, speaking,

reading, writing and culture.

COURSE: 922 - GERMAN II
CREDIT: 1

GRADE: 10-12
PREREQUISITE: GERMAN I

Continues German I. Areas of study include: 1) intermediate grammar, 2) practice reading short narratives, 3) development of listening and speaking through role play and dialogue, 4) writing, 5) cultural projects.

COURSE: 923 - GERMAN III
CREDIT: 1

GRADE: 10-12
PREREQUISITE: GERMAN II WITH A GRADE OF 80% OR HIGHER

Independent study course which deals with the language and culture through the reading of various types of text. Areas of study include: 1) one novel, 2) study of feature-length films, 3) cultural projects, 4) composition, 5) advanced grammar.

COURSE: 924 - GERMAN IV
CREDIT: 1

GRADE: 11-12
PREREQUISITE: GERMAN III WITH A GRADE OF 80% OR HIGHER

This course expands on the basic grammar and vocabulary in German III. Students will also be expected to read in German selected literary works. This class prepares the students for the CLEP test in college.

COURSE: 925 - AP GERMAN LANGUAGE
CREDIT: 1

GRADE: 11-12
PREREQUISITE: GERMAN III WITH A GRADE OF 80% OR HIGHER

The Advanced Placement German language course will be offered on a limited, instructor-approved basis. It covers the equivalent of a third year college course in composition and conversation, stressing oral skills, reading comprehension, culture, writing and grammar. The objectives are: 1. Ability to comprehend formal and informal spoken German, 2. Acquisition of vocabulary and a grasp of structure to allow reading of newspaper articles, historical narratives and German literature. 3. Ability to compose expository passages. 4. Ability to converse on a range of everyday topics. Students taking this class will be expected to do independent study along with the regular class work offered in German IV to prepare for the Advanced Placement Exam. At the completion of the course, the student may elect to take the National Advanced Placement Exam for third year college credit.

COURSE: 926 - GERMAN 102 (GERMAN III)
CREDIT: 1 - Dual Credit Course with WKU

GRADE: 10-12
PREREQUISITE: German I and II with an 80% minimum grade

Students develop speaking, writing, reading, and listening comprehension skills in German. Following a brief review of elementary German, more advanced grammatical forms and vocabulary will be covered. German 102 is a second semester introductory college level class that is a cooperative program between BGHS and Western Kentucky University enabling students to earn dual credit-both in high school and college. The course taught is WKU's German 102 and equivalent to BGHS's German III/IV. Students successfully completing this class with at least an 80% average will be able to continue on to German IV and German IV/APat BGHS.

COURSE: 931 - ARABIC I
CREDIT: 1 - Dual Credit Course with WKU

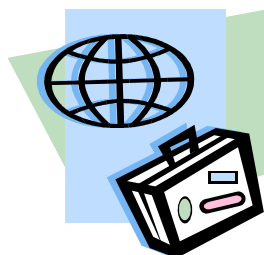
GRADE: 9-12
PREREQUISITE: NONE

An introduction to the language and culture of the Arab world; this course will consist of a study of basic vocabulary and grammar with emphasis on speaking, listening comprehension, reading and writing skills.

COURSE: 932 - ARABIC II
CREDIT: 1

GRADE: 10-12
PREREQUISITE: ARABIC I

This course is a review and a continuance of Arabic I. Students will improve their communication skills in speaking, writing, reading and listening comprehension. There will be projects that will include culture and language skills.



MATHEMATICS DEPARTMENT

COURSE: 208 - PRE- ALGEBRA **GRADE:** 9-10
CREDIT: 1 **PREREQUISITE:** TEACHER RECOMMENDATION

This course is designed to reinforce concepts studies previously, probe concepts studies previously in greater depth, prepare students for new concepts to come and foster involvement and creativity. Topics include: the real number system, ratio and proportion, order of operations, measurement, exponents and radicals, probability, statistics and basic algebra concepts such as the meaning and use of a variable.

COURSE: 211 - ALGEBRA I **GRADE:** 9-10 (11-12 UNDER SOME CIRCUMSTANCES)
CREDIT: 1 **PREREQUISITE:** NONE

This course is a one year complete Algebra I course designed for students who are college intending but do not intend to pursue post-secondary mathematics or science programs. Topics will include: the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, polynomials, relations and functions, graphing, radicals, and factoring.

COURSE: 212 - ACCELERATED ALGEBRA I **GRADE:** 9-10
CREDIT: 1 **PREREQUISITE:** NONE

The objective of Algebra I is to develop strategies for solving non routine problems and to give students an understanding of algebra by emphasizing concepts, structure and applications. Topics will include the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials, systems of equations.

COURSE: 214 - ALGEBRA II **GRADE:** 10-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA I OR GENERAL ALGEBRA I AND GEOMETRY or GENERAL GEOMETRY

This course is designed for students who have taken Basic Algebra I and Basic Geometry. This course meets the state requirements for a third math course and prepared students for the CATS assessment. Emphasis is on using Algebra and Geometry to solve realistic problems. Topics include: simplifying and evaluating expressions, solving equations and inequalities, systems of equations and inequalities, graphing functions, geometric relationships, proportional reasoning, trigonometry, probability and statistics. Problem solving and mathematical connections are emphasized throughout the course. Graphing calculators are used as problem solving tools.

COURSE: 216 - ACCELERATED ALGEBRA II **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA I

This course is designed for college bound students. The concepts of Algebra I will be expanded and emphasis will be placed on preparation for study of higher mathematics/abstract thinking skills, the function concept, and algebraic solution of problems in various content areas. Topics include: the complex number system and matrices, quadratic equations and inequalities, graphs, exponential and logarithmic functions, progressions and series, and the binomial theorem, introductory work in conic sections, probability and trigonometry.

COURSE: 217 - ALGEBRA II - PRE-ADV PLACEMENT (PRE-AP) **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA I AND TEACHER RECOMMENDATION

This class will cover the same topics as Algebra II at a more rigorous level.

COURSE: 221 - ALGEBRA III **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** GENERAL ALGEBRA II / INTEGRATED GEOMETRY

This class will cover selected topics including probability and statistics and advanced algebra to prepare students for college mathematics classes.

COURSE: 220 - GEOMETRY **GRADE:** 10-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA I OR GENERAL ALGEBRA I

This course is designed for college intending students who have difficulty mastering the concepts in Algebra I or do not intend to pursue post-secondary mathematics or science programs. Fundamentals are thoroughly introduced so that students develop basic concepts and learn to apply geometric principles. The vocabulary, axioms and theorems of Euclidean geometry are presented and students are required to write inductive proofs in paragraph form and deductive proofs in short 2-column form. Topics include: points, lines, planes, plane figures, area and perimeter, congruence, similarity, ratio and proportion, volume and surface area of solids.

COURSE: 222 - ACCELERATED GEOMETRY **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA I

This course is for the majority of college intending students. Focus should be on discovery and realistic applications of geometric relationships and principles. Topics include: inductive and deductive reasoning, points, lines, planes, angles, triangles, planar figures, similarity and congruence, circles, three-dimensional geometry, area, volume, locus, coordinate geometry and transformations.

COURSE: 210 - GEOMETRY - PRE-ADV PLACEMENT (PRE-AP) **GRADE:** 9-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA I AND TEACHER RECOMMENDATION

This class will cover the same topics as Geometry at a more rigorous level.

COURSE: 224 - PRE-CALCULUS **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA II AND GEOMETRY

This course is intended for students who plan to take a calculus course in high school or college. Topics include: functions, their inverses, graphs and their applications including polynomial, rational, exponential logarithmic, circular, trigonometric, absolute value and natural number sequences and series. Analytic geometry, polar coordinates, complex number system and vectors mathematical induction.

COURSE: 223 - CALCULUS-PRE-ADV PLACEMENT (PRE-AP) **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** ALGEBRA II AND GEOMETRY

This class will cover the same topics as Pre-Calculus at a more rigorous level in preparation for AP Calculus.

COURSE: 226 - AP CALCULUS AB **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** PRE-CALCULUS AND
TEACHER RECOMMENDATION

This course follows the curriculum established by the College Board. Students successfully completing the course are prepared to take the Advanced Placement Exam in Calculus AB.

COURSE: 228 - AP CALCULUS BC **GRADE:** 11-12
CREDIT: 1 **PREREQUISITE:** PRE-CALCULUS AND
TEACHER RECOMMENDATION

Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.

COURSE: 230 - MATH 116 - COLLEGE ALGEBRA **GRADE:** 12
CREDIT: 1 - Dual Credit Course with WKU **PREREQUISITE:** PRE-CALCULUS

This class is offered for dual credit through WKU. Students must score a minimum of 14 on a math placement exam and apply to WKU (special acceptance is granted to high school seniors). There are fees associated with taking this class due to receiving college credit.

COURSE: 232 - AP STATISTICS **GRADE:** 12
CREDIT: 1 **PREREQUISITE:** ALGEBRA II PRE-AP OR ALGEBRA II
WITH A "B" AVERAGE OR BETTER AND
TEACHER RECOMMENDATION

This course is the equivalent of an introductory college-level course. Statistics - the art of drawing conclusions from imperfect data and the science of real world uncertainties - plays an important role in many fields. Students collect, analyze, graph and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP® Exam and for further study in science, sociology, medicine, engineering, political science, geography and business. Graphing calculators (TI-84's) and outside projects will play a large part in this class. College bound students are not encouraged to take this class in place of pre-calculus but may take the two concurrently.

MILITARY SCIENCE DEPARTMENT

REQUIREMENTS FOR ALL JROTC CADETS:

1. All JROTC students will perform one color guard for a home basketball or football game each school year for a grade.
 2. All JROTC students will participate in one off campus service project each school year for a grade.
 3. All JROTC students will be required wear their uniform once per week, meet grooming standards, participate in two social events per year including the Military Ball and participate in two parades per year.
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COURSE: 1301 - ARMY Jr. R.O.T.C. I
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE

Discuss the purpose and structure of the Army ROTC including respect for constituted authority, privileges and freedoms that underlie good citizenship, physical training, basic military skills, effective communication skills, and a knowledge of the dangers of substance abuse (drugs and alcohol), and the importance of mental management including goal setting.

COURSE: 1302 - ARMY Jr. R.O.T.C. II
CREDIT: 1

GRADE: 10-12
PREREQUISITE: ARMY Jr. R.O.T.C I

Demonstrates knowledge of the ethical values and principles that underlie good citizenship. Display leadership potential and ability to work with others, think logically, and communicate effectively. Continue physical training, military skills training, first aid and map reading, drug abuse training, and team work. Display knowledge of technological advances in computers, lasers, simulators and robotics.

COURSE: 1303 - ARMY Jr. R.O.T.C. III
CREDIT: 1

GRADE: 11-12
PREREQUISITE: ARMY Jr. R.O.T.C. II

Continue subject areas described above in ROTC II at an advanced level with emphasis on citizenship, leadership and management, and physical training. Advanced communication skills both oral and written, and continue drug and alcohol abuse prevention. Display conduct to serve as a role model.

COURSE: 1304 - ARMY Jr. R.O.T.C. IV
CREDIT: 1

GRADE: 12
PREREQUISITE: ARMY Jr. R.O.T.C. III

Apply leadership and management skills while assigned to a command or staff position within the cadet battalion. Continue communication skills, leadership training, physical training and serve as an assistant instructor.

COURSE: 1305 - ARMY Jr. R.O.T.C. IV:STAFF

GRADE: 11-12

CREDIT: 1

PREREQUISITE: ARMY Jr. R.O.T.C. III

BATTALION STAFF WILL BE LIMITED TO THOSE STUDENTS SELECTED BY THE CHAIRPERSON OF THE Jr. R.O.T.C. DEPARTMENT

It will be mandatory for the selected cadets during Staff and Activity period to compete in Drill Team and Color Guard competitions. Also, they will compete in the rifle matches and provide color guards and saber arches for home games.

MUSIC DEPARTMENT

COURSE: 1102 - BAND: HIGH SCHOOL
CREDIT: 1

GRADE: 9-12
PREREQUISITE: COMPLETED 8th GRADE BAND AND / OR INSTRUCTOR PERMISSION

This class is open to all students who have completed the necessary requirements of junior high band or have permission from the director to enroll. All band students must attend a camp in August before school starts. In the fall, the band is involved in Marching Band. In the spring the Band will participate in District and State Festivals and will present appropriate concerts during the school year. Students Enrolled in Band will have the opportunity to try-out for All-District and All-State Band and participate in a Solo/Ensemble Festival. All band students must obtain a band handbook from the director before enrolling and be aware of all class requirements.

COURSE: 1116 - INSTRUMENTAL MUSIC: STRING ORCHESTRA
CREDIT: 1

GRADE: 9-12
PREREQUISITE: PERMISSION FROM DIRECTOR

This course is open to all students who have prior experience playing a bowed string instrument. Students will study contemporary styles of string playing and music from different historical periods. Individual practice and attendance at all performances will be required. Students will also have the opportunity to audition for regional honors orchestras and the Kentucky All-State Orchestra and may participate in the KMEA Solo and Ensemble event in the spring.

COURSE: 1104 - A CAPPELLA CHOIR
CREDIT: 1

GRADE: 10-12
PREREQUISITE: AUDITION ONLY

This choir is a select group of men and women in grades 10-12. The music learned and performed is of a greater degree of difficulty. This group will participate in District and State festivals and will present appropriate concerts during the school year. Students in this choir may audition for the Spring Musical.

COURSE: 1122 - BEGINNING WOMEN'S CHOIR
CREDIT: 1

GRADE: 9
PREREQUISITE: 9TH GRADE GIRLS OR FIRST-TIME CHOIR

Continued emphasis will be placed on the development of the singing voice. Students must demonstrate for the instructor knowledge of music reading skills and knowledge of singing skills. This choir will participate in District and State festivals and will present appropriate concerts during the school year. Students in this choir may audition for the Spring Musical.

COURSE: 1120 - INTERMEDIATE MIXED CHOIR
CREDIT: 1

GRADE: GIRLS-10-12 OR BOYS-9-12
PREREQUISITE: INTERVIEW / AUDITION / WOMEN'S CHOIR

Intermediate Mixed Choir will include 10-12th grade girls who have previously taken Women's Choir and guys from 9th-12th grades. The goal of this choir is to prepare singers for A Cappella Choir or college choir. We will focus on creating and sustaining proper breath support for singing, correct vowel placement, and a pure and even vocal tone. This will be achieved through rigorous and fun SATB (mixed choir) music. You will also learn to read music, identify and write key signatures and notate your own music. This choir will sight-sing daily using a system of solfege syllables (Do Re Mi, etc.) to create singers who are also intelligent musicians. An interview/audition will be required for entrance into this choir.

COURSE: 1112 - ADVANCED PLACEMENT - MUSIC THEORY
CREDIT: 1

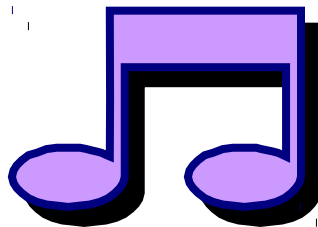
GRADE: 10-12
PREREQUISITE: TEACHER RECOMMENDATION

This course will serve as an advanced exploration of musicianship, music theory, musical materials, and procedures. It will integrate aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of this theory course. It is strongly recommended that students enrolling this class will have acquired at least basic performance skills in voice or on an instrument.

COURSE: 1114 - PERFORMING ARTS
CREDIT: 1

GRADE: 10-12
PREREQUISITE: AUDITION AND / OR RECOMMENDATION

This course will explore various art forms such as vocal music, musical theatre, dance, speech, and drama but will also seek to provide individual performance instruction for students. Some course topics will include Effective Audition Preparation, Achieving Healthy Vocal Tone, Basics of Choreography, How to Direct a Play Production, Behind the Scenes: What it Means to be a Stage Manager, Combining Business and the Arts: a Study of Theatre Management and Music Business, and studies of specific musicals, composers, performers, and musical genres. This course is designed for students interested in musical theatre, vocal music, and/or speech, who may plan on auditioning for Governor's School for the Arts and/or a college music program.



PHYSICAL EDUCATION DEPARTMENT

COURSE: 1202 - HEALTH & SAFETY
CREDIT: 0.5

GRADE: 9-12
PREREQUISITE: NONE

This course will present to the student sufficient anatomy to understand the structure of the human body and enough physiology to understand its functions. It will provide practical information relating to infectious diseases and modern methods of dealing with his own health and involve the student in public health programs in which they, as individuals, have both a concern and an active part.

COURSE: 1204 - PHYS ED I : RECREATIONAL ACTIVITIES
CREDIT: 0.5

GRADE: 9
PREREQUISITE: NONE

Physical education through team and individual sports. Team sports include soccer, touch football, softball, basketball, and volleyball. Individual sports are weight lifting, table tennis, etc. This course satisfies the State of Kentucky requirement for graduation.

COURSE: 1206 - PHYS ED II : RECREATIONAL ACTIVITIES AND WEIGHT LIFTING
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: PHYSICAL EDUCATION I

Available for students in grades 10, 11, and 12 that have completed P.E. I and wish to take additional physical education courses. This course is an advanced physical education course for the development of physical well-being. This course does not satisfy the State of Kentucky physical education requirement for graduation, but will count as an elective.

COURSE: 1212 - PHYS ED IV: SWIMMING
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: PHYSICAL EDUCATION I

This course is designed to determine each student's individual swimming needs from the beginner to the lifesaver and provide programs to meet these needs. This course is student centered, self-directed, and self-paced. This course does not satisfy the State of Kentucky physical education requirement for graduation, but will count as an elective.

COURSE: 1214 - PHYS ED IV : ADV SWIMMING (Lifeguarding)
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: PHYSICAL EDUCATION I AND MUST BE 15 YEARS OF AGE OR OLDER AND SWIM AT LEAST 20 LAPS

ABLE TO

This course is designed for the experienced swimmer wishing to obtain Red Cross Certification in lifesaving and CPR. The course will include: advanced swimming techniques, drown proofing, lifesaving skills, and basic CPR. The course will also include classroom-type work and student must pass a written exam as well as swimming in order to obtain certification. Upon successful completion of this course the student will be able to obtain employment as a lifeguard. This course is designed for the student wishing to join the swim team and/or obtain lifeguarding certification but does not possess the swimming skills or endurance. The course will focus on building swim endurance and learning the competitive swim strokes. This course does not satisfy the State of Kentucky physical education requirement for graduation, but will count as an elective.

COURSE: 1216 or 1218 - DRIVER'S EDUCATION
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: VALID DRIVER'S PERMIT / DRIVER'S LICENSE

This course is designed to equip students with basic qualities of safe driving, knowledge of variables, skills of manipulation, and a positive attitude toward driving. Students must have a valid driver's permit or driver's license before enrolling in this course.

COURSE: 1222 - EXPERIENCES OF THE YOUNG ADULT
CREDIT: 0.5

GRADE: 11-12
PREREQUISITE: HEALTH

The basis of this course is to prepare the young adult for experiences they will encounter as they enter or prepare to enter independent life. In doing so, this class offering will take into account how these real-life experiences can impact the 6 components of one's personal health (physical, mental, emotional, social, environmental and spiritual) and how these 6 components interconnect. There will be a consistent theme conveyed in that positive decisions lead to positive outcomes. Conversely, consequences of negative choices will be discussed at length. For example, poor behaviors/decisions can lead to one having poor health, a criminal record, financial issues, splintered relationships/trust issues with friends and family, stilted future plans, etc. It will also be heavily discussed that these problems have a way of following a person and the negative impact of poor behaviors may have an influence on a person's quality of life for years to come. The most current information will be delivered in this course with a strong connection being made to the local community.

**WRITTEN TESTS WILL BE GIVEN IN ALL PHYSICAL EDUCATION CLASSES
OVER MATERIAL COVERED IN CLASS AT THE DISCRETION OF THE INSTRUCTOR**

SCIENCE

COURSE: 316 - BIOLOGY
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE

This course is an introduction to the life sciences. It is a prerequisite for those interested in pursuing a science related field. The course will explore, through class discussions and laboratory experiences, concepts in the following areas of study: the cell, cell transport, cell division, genetics & inheritance, classification, biomolecules and ecology.

COURSE: 317 - BIOLOGY - PRE-AP
CREDIT: 1

GRADE: 9
PREREQUISITE: TEACHER REFERRAL

This course is for those wishing to take AP Biology (and the College Board) during their junior or senior year. Units covered will include: I. Molecules and cells, biochemistry, photosynthesis, respiration, cell division and cell structure; II. Genetics and Evolution; III. Organisms and population, basic comparative structure & function and ecology. Students should be willing to explore topics both independently and through lecture & discussion. This course will cover the core content of biology; it will be a more thorough, challenging class. This class is lab-based.

COURSE: 318 - AP BIOLOGY
CREDIT: 1

GRADE: 11-12
PREREQUISITE: PRE-AP BIOLOGY WITH A GRADE OF "B" OR BETTER AND CHEMISTRY WITH A GRADE BETTER AND TEACHER

OF "B" OR RECOMMENDATION

This course is for those wishing to take the exam for Advanced Placement credit. Units covered will include: I. Molecules and cells, biochemistry, photosynthesis, respiration, cell division and cell structure; II. Genetics and Evolution; III. Organisms and population, basic comparative structure and function and ecology. Students should be willing to explore topics both independently and through lecture & discussion. At the completion of the course, students will be expected to take the national Advanced Placement Exam for college credit. These exams are given in May of each year on a fee basis.

COURSE: 306 - INTRO TO CHEMISTRY AND PHYSICS
CREDIT: 1

GRADE: 10-12
PREREQUISITE: BIOLOGY

This class is open to any student interested in a practical course of study involving the physical sciences. Approximately half the course will be devoted to chemistry and half the course to physics. Classwork will consist of lecture, demonstrations, and lab. Topics covered include matter, energy, forces, atoms, elements, chemical reactions, nuclear chemistry, organic chemistry, and electricity. Other topics may be covered as time allows.

COURSE: 308 - CHEMISTRY
CREDIT: 1

GRADE: 10-12
PREREQUISITE: ALGEBRA I WITH A GRADE OF "C" OR BETTER

This course is recommended for those students who plan to go on to college but not necessarily major in science. Students will study matter and the changes matter undergoes. This involves the structure and properties of the atom on a submicroscopic scale to macroscopic changes dealing with compounds, acids and bases, etc. Laboratory experience will be included in the course. Students will not be charged a lab fee, but will be expected to pay for equipment that they might break.

COURSE: 310 - CHEMISTRY - PRE-AP
CREDIT: 1 - Dual Credit Course with WKU

GRADE: 10-12
PREREQUISITE: ALGEBRA I WITH A GRADE OF "B" OR BETTER & TEACHER RECOMMENDATION

Students who are considering majoring in a science (including all medical fields, engineering, etc.) or students whom enjoy learning at a more in-depth level should take this class. Chemistry Pre-AP will move faster and cover more material than the general chemistry course. Students will actually use a college chemistry text and do several college chemistry labs. Students will not be charged a lab fee, but will be expected to pay for equipment that they might break.

COURSE: 312 - AP CHEMISTRY
CREDIT: 1

GRADE: 11-12
PREREQUISITE: CHEMISTRY-PRE-AP WITH GRADE OF "B" OR HIGHER AND ALGEBRA II

AP Chemistry is designed for those students who are considering taking the AP exam for advanced placement credit. These are students who are considering majoring in a science, pre-med or a similar area in college. Concentration areas of this course are kinetics, equilibrium, thermochemistry, electrochemistry and organic chemistry. Some time will also be spent on other topics but the areas of emphasis will be on these topics. Labs will accompany each topic and some labs may require extra time outside the regular school day. The course is fast paced and students must be willing to put in the time and effort.

COURSE: 340 - INTEGRATED SCIENCE
CREDIT: 1

GRADE: 10-12
PREREQUISITE: NONE

This course will offer both the Earth and Space Sciences. The astronomy section will start with a broad view of the universe and then get more local as we move to galaxies, the solar system and the Earth and moon. The Earth Science portion will deal with the events that shape the Earth. Topics will include weathering, erosion, weather, volcanoes, earthquakes, Plate Tectonics, etc. Students will complete laboratory experiments to increase understanding of key concepts.

COURSE: 320 - CONCEPTUAL PHYSICS
CREDIT: 1
BETTER

GRADE: 10-12
PREREQUISITE: ALGEBRA I WITH A GRADE OF "C" OR & GEOMETRY

Conceptual Physics (Physics I) applies the concepts of physics to explain phenomena that students have observed in the world. The emphasis will be on comprehension of broad concepts and topics. Conceptual Physics (Physics I) is a qualitative study of matter and energy and the rules which govern the relationships between them. Demonstrations, projects, laboratory exercises, and other types of activities are utilized to reinforce understanding. Problem solving using elementary mathematics will be included but is not the primary focus of the course. Some areas of study will include: pseudo science vs. reality, gravitation, structure of matter, change of state, scientific ethics, motion and Newton's Laws, rotational motion and its effects, heat, waves and sound, and kinetic and potential energy.

COURSE:	322 - AP PHYSICS C	GRADE:	11-12
CREDIT:	1	PREREQUISITE:	CONCEPTUAL PHYSICS, PRE-CALCULUS AND CONCURRENTLY ENROLLED IN

CALCULUS

This course provides a systematic introduction to basic knowledge of the discipline of physics, including theories and techniques, concepts and generalizing principles. The course stresses problem solving, including the ability to ask physical questions by use of qualitative and quantitative reasoning and by experimental investigation. In addition, this course should foster student appreciation of the physical world and the understanding of connections between physics and other disciplines, particularly calculus. This course is a calculus based course, taken by student who have completed a basic physics course and have or are taking AP Calculus.

COURSE:	325 - ANATOMY AND PHYSIOLOGY	GRADE:	11-12
CREDIT:	1	PREREQUISITE:	BIOLOGY AND CHEMISTRY WITH A GRADE OF "C" OR BETTER

Course open to any junior or senior interested in technical and pre-professional preparation in the health field or college preparation. The organ systems will be studied through the use of dissection, lecture, and discussion. Students will be required to complete one cumulative project per quarter, for example: torso t-shirts, holiday models, interviews, and cell cakes.

COURSE:	327 - MICRO - BIOLOGY	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	BIOLOGY WITH A GRADE OF "C" OR BETTER

This course is open to any student interested in the health field or college preparation. The laboratory exercise will cover the use of the microscope and identification of the bacteria, protozoa's, virus, algae, fungi, and lichens. This course will also be a survey of common and some "uncommon" or emerging viral, bacteria or Protozoan diseases of humans.

COURSE:	333 - METEOROLOGY	GRADE:	11-12
CREDIT:	0.5	PREREQUISITE:	CHEMISTRY AND ALGEBRA I

This class will study the complex systems involved in our earth's climate and weather systems. An integral part of this class will be the accurate recording and maintaining, through chart/map making, of weather data from our own BGHS weather station. This station will include thermometers, barometer, hygrometer, and anemometer that will record temperature, atmospheric pressure, relative humidity, and wind speed and direction. This course will also study the relationships of high and low pressure systems, the unequal heating and cooling of the earth's surface by the sun, and the affect of the earth's declination of its axis upon our climate. Special topics of interest during the fall and spring semesters will be hurricanes and tornados respectively.

COURSE:	331 - SPECIAL TOPICS IN BIOLOGICAL SCIENCE (HORTICULTURE)	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	BIOLOGY

Horticulture is the science of growing and marketing flowers, vegetables, fruits, and ornamental plants used in the landscape. This class will develop a student's understanding of how to care for plants and greenhouse skills needed in horticultural areas. Also, students will be involved in field experiences in areas of: landscaping, lawn care, and gardening. This class will benefit anyone, especially someone who may be interested in horticulture for professional or vocational employment reasons.

COURSE:	339 - ZOOLOGY	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	BIOLOGY WITH A GRADE OF "B" OR BETTER & CHEMISTRY WITH A GRADE OF BETTER

"C" OR

Zoology will include an in-depth study of the invertebrates and vertebrates of the animal kingdom. Evolutionary trends, morphology, classification, anatomy and behavior of various representatives will be studied and dissected.

COURSE:	336 - SPECIAL TOPICS IN BIOLOGICAL SCIENCE (GENETICS)	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	BIOLOGY

Students will review basic concepts in genetics, evolutionary biology, and developmental biology while expanding their knowledge in these fields. The course will incorporate lecture, laboratory, and simulations on the following topics: the molecular basis of heredity, classical genetics, population genetics, cytogenetics, developmental biology, and molecular biology. An emphasis will be placed on common human genetic mutations and disorders.

COURSE:	342 - FORENSIC SCIENCE	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	BIOLOGY WITH A GRADE OF "B" OR BETTER & CHEMISTRY WITH A GRADE OF "C" OR BETTER

This course is an investigation into the methods employed by the forensic chemist. Students will analyze crime scene simulations and explore the evolution of forensic chemistry in the last century. Lecture and laboratory topics can include serology, toxicology, DNA and fingerprint analysis, arson, firearm, and explosives investigation, document, hair, fiber and paint microscopy, and forensic entomology. Discussions will explore the depiction of forensics in contemporary media and an ethical decision making model concerning the fate of a serial killer. The students' knowledge of chemistry and biology will expand along with their skills of deductive reasoning.

COURSE:	399 - STUDY SKILLS FOR AFRICAN-AMERICAN MALES	GRADE:	10-12
CREDIT:	0.5	PREREQUISITE:	TEACHER APPROVAL

This course will develop and implement study skills, time management, motivation and test taking skills and other academic areas as needed. A mentoring program will be established for the students. Guest speakers from the community will be involved to provide the students with a shared vision.

SUGGESTED PROGRAMS OF STUDY IN SCIENCE

	9 th GRADE	10 th GRADE	11 th GRADE	12 th GRADE
OPTION 1	Biology or Biology Pre-AP	Pre-AP Chemistry Or Conceptual Physics	Conceptual Physics or AP Chemistry, AP Biology, AP Physics or Elective	Conceptual Physics or AP Chemistry, AP Biology, AP Physics or Elective
OPTION 2	Biology	Chemistry	Conceptual Physics or Elective	
OPTION 3	Biology	Intro Chem/Physics	Integrated Science	

ALL options satisfy requirements for graduation for the pre-college curriculum.

SOCIAL STUDIES DEPARTMENT

COURSE: 402 - WORLD CIVILIZATION
CREDIT: 1

GRADE: 9-12
PREREQUISITE: NONE

An inclusive record of the conflicts, contributions and life of civilizations. Includes beginning of these civilizations: the Golden Ages, Renaissance and Reformation, the Rise of the West and the upheavals of the contemporary world.

COURSE: 406 - AP EUROPEAN HISTORY
CREDIT: 1

GRADE: 10-12
PREREQUISITE: NONE

AP European History is a **college-level** course that focuses on developing a greater understanding of the western world. This course covers the period from the Renaissance to the present day. Following the goals of the Advanced Placement Program in European History, this course will provide a basic narrative of historical events centered in Europe and focused on the principal themes in modern European history; ample opportunities to analyze historical evidence and frequent practice in analytical writing. In addition, role-playing, debate, peer teaching, as well as discussion will be used to achieve these goals.

COURSE: 407 - AP WORLD HISTORY
CREDIT: 1

GRADE: 9
PREREQUISITE: NONE

AP World History is a **college-level** course that focuses on developing a greater understanding of the period of history (seven periods beginning 8000 B.C. to today) and of different human societies by examining their commonalities and differences across time and across cultures. Successful student will be **self-motivated, disciplined learners with strong verbal skills** willing to devote time and energy to improving analytical skills and factual knowledge through college level readings and critical analysis. A summer reading assignment focused on the earliest period of history may be required. Students may choose to take the AP World History exam for possible college credit. **Open to freshmen only**, students selecting AP World History are strongly encouraged to also register for APP Freshman English.

COURSE: 408 - UNITED STATES HISTORY
CREDIT: 1

GRADE: 10-12
PREREQUISITE: NONE

A chronological study of our country's history from the colonial period to the present day. Emphasis on developments since the Civil War.

COURSE: 412 - AP UNITED STATES HISTORY
CREDIT: 1

GRADE: 10-12
PREREQUISITE: NONE

This course is designed for those students who have a curiosity about the why and how of human events. Following the goals of the Advanced Placement Program in American History, this course will provide a basic narrative of historical events and movements covering the period 1450 through 1970. In addition, the student will be given the opportunity to develop an understanding of the principal themes in modern American History, to develop an ability to analyze historical evidence, and to develop an ability to express that understanding and analysis in writing. Role-playing, debate, discussion, peer teaching as well as writing will be used to achieve these goals.

COURSE: 414 - POLITICAL SCIENCE (GOV'T/ECONOMICS)
CREDIT: 1

GRADE: 11-12
PREREQUISITE: NONE

A study of how government operates and affects our lives at the local, state and national level. Includes analysis of elections and voting behavior.

COURSE: 416 - AP GOVERNMENT & POLITICS: U.S.
 (GOVERNMENT / ECONOMICS)
CREDIT: 1

GRADE: 11-12
PREREQUISITE: NONE

Advanced Placement Government and Politics: U.S. and Comparative is a study of the basic instructions, issues and problems involving United States Government and the other major governmental systems in existence in the world today. It will include the use of primary and secondary sources in the study of Government and Politics. The course is available to students who plan to attend college and prepares them to take the advanced placement exam in Government and Politics: United States and Comparative.

COURSE: 417 - AP COMPARATIVE GOVERNMENT AND POLITICS
CREDIT: 1

GRADE: 11-12
PREREQUISITE: NONE

This course aims to introduce students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Students will study the rich diversity of political life to show available institutional alternatives, to explain differences in processes and policy outcomes and to communicate to students the importance of global political and economic changes. The class will include the study of government in six countries from the core of the Advanced Placement program which includes China, Great Britain, Iran, Mexico, Nigeria and Russia as well as the European Union. Students taking the course will be eligible to take the AP Comparative Government and Politics test administered by the College Board for possible college credit.

COURSE: 420 - PSYCHOLOGY
CREDIT: 0.5

GRADE: 10-12
PREREQUISITE: NONE

An introductory study of the behavior of organisms. Includes understanding of behavior, heredity and environment, personality sensations, emotions, frustrations and conflict and social influences.

COURSE: 422 - LAW AND JUSTICE
CREDIT: 0.5

GRADE: 9-12
PREREQUISITE: RECOMMENDED JUNIORS/SENIORS ONLY

A broad survey of accumulated knowledge concerning various forms of criminal types and behavior with concentration on: understanding of the total crime problem, role of law enforcement with emphasis on technique, understanding of our court systems, and study of corrections (prisons, jails, youth centers, etc.).

COURSE: 450 - HY120 - WORLD CIVILIZATION SINCE 1648
CREDIT: 1

GRADE: 12
PREREQUISITE: COMPLETION OF SOCIAL STUDIES CREDITS FOR GRADUATION

Dual credit enrollment with Western Kentucky University. A survey of the political, social, cultural and economic phases of western civilization since 1648. Students enrolling in this class will be required to register for high school student status at WKU and pay tuition to WKU before the first class meeting. Successful completion of this course will result in 3 hours of college credit at WKU, transferable at the discretion of other universities and colleges

COURSE: 452 - AP PSYCHOLOGY
CREDIT: 1

GRADE: 11-12
PREREQUISITES: NONE

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated within psychology. Students also learn about the ethics and methods of psychologists use in their science and practice.

COURSE: 454 - AP HUMAN GEOGRAPHY
CREDIT: 1

GRADE: 9-12
PREREQUISITES: NONE

The purpose of the AP Human Geography course 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. Students also learn about the methods and tools geographers use in their science and practice.

SPECIAL PROGRAMS

COURSE: 1752 - ELEMENTARY SCHOOL TEACHER AIDE/TUTOR **GRADE:** 12
CREDIT: 2 **PREREQUISITES:** ON TRACK TO GRADUATE,
GOOD DISCIPLINE AND GOOD ATTENDANCE

This course will allow seniors to give back to a Bowling Green elementary school by serving as a teacher's aide, tutor and mentor to a group of elementary children. The class would involve working closely with an elementary teacher and working under their direct supervision during a two period block of the school day. Students will be required to attend specific orientation and training that may or may not occur during the school day. Students will be expected to dress and act in an appropriate manner that will enhance the experiences of elementary school students. Periodic evaluations will be conducted and satisfactory progress is required to remain as a teacher's aide.

COURSE: 1761 or 1762 - WORK BASED LEARNING **GRADE:** 12
CREDIT: 1 or 2 **PREREQUISITES:** TEACHER APPROVAL

COURSE: 1750 - RENAISSANCE LEADERSHIP **GRADE:** 10-12
CREDIT: 1 **PREREQUISITES:** TEACHER APPROVAL

COURSE: 2000 - PEER TUTOR **GRADE:** 12
CREDIT: 1 **PREREQUISITES:** TEACHER APPROVAL

WARREN COUNTY AREA TECHNOLOGY CENTER

The Warren County Area Technology Center, located in northern Warren County on Louisville Road, has program offerings for high school seniors. BGHS students will travel by school bus to the center to attend the morning session of classes. Classes at the center begin at 8:00 a.m., meaning any student wishing to attend these classes will need to arrive at BGHS before the start of the school day to ride the bus to the location. Students will return to BGHS where they will attend the afternoon classes on campus. Those attending the technology center will earn 2 credits per semester at the high school level while also receiving credit toward a degree program at the technology center. An application process is required.

INFORMATION TECHNOLOGY

IT104 - PC ESSENTIALS

Introduces basic computer hardware and operating systems, covering installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing and preventative maintenance, with additional elements of soft skills and security. Course objectives map closely to the CompTia A+ Essentials National Examination that validates the basic skills needed by any entry-level computer service technician.

CIS148 - VISUAL BASIC I

This course is designed to provide students with the knowledge and skills to code, execute and document comprehensive programs in Visual Basic. The programs will involve use of forms for input/output, controls to trigger events, structures to control program execution, sequential and random access of files, arrays and error handling.

IT204 - PC FIELD TECH

Introduces advanced computer maintenance tasks including installation, building, repairing, configuration, troubleshooting, optimizing, diagnosing and preventative maintenance in the context of the field service or enterprise environment. This course is appropriate for those who work, or plan to work, as computer technicians in a mobile or corporate environment. This course maps closely to the Comp TIA A+ 220-602 National Examination.

IT120 - CISCO INTERNETWORKING I - Dual Credit Course with BGTC

CCNA Semester 1. This is the first of four courses that lead to the Cisco Certified Network Associate (CCNA) certification (640-801 CCNA or 640-821 INTRO). CCNA I introduces Cisco Networking Academy Program students to the networking field. The course focuses on network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), the Open System Interconnection reference (OSI) model, cabling, cabling tools, routers, routing fundamentals, Ethernet, Ethernet switching, Internet Protocol (IP) addressing and network standards.

IT122 - CISCO INTERNETWORKING II - Dual Credit Course with BGTC

Prerequisite: IT

120

CCNA Semester 2. CCNA II Router and Routing Basics is the second of the four courses leading to the Cisco Certified Network Associate (CCNA) certification (640-801 CCNA or 640-821 INTRO). CCNA II is an integral step towards achieving CCNA certification. CCNA 2 continues to familiarize Cisco Networking Academy Program students to the networking field. The course focuses on initial router configuration, Cisco IOS Software management, routing protocol configuration, TCP/IP and access control lists (ACLs).

IT160 - INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEM

This is an introductory course designed to relate the basic theories and concepts of geographical information systems. Basic GIS capabilities, data collection, data types, GPS and basic mapping concepts are discussed. Students will be introduced to GIS software using industry specific applications and technology in order to provide a conceptual base to build expertise in GIS.

IT220 - CISCO INTERNETWORKING III

Prerequisite:

IT220

CCNA III: Switching Basics and Intermediate Routing v3.0 is the third of four courses that lead to the Cisco Certified Network Associate (CCNA) designation (640-801 CCNA or 640-811 ICND). This course focuses on variable Length Subnet Masking (VLSM), RIP v2, single area Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Command-Line Interface (CLI) switch configuration, Ethernet switching, Virtual LANS (VLANs), Spanning-Tree Protocol (STP) and VLAN Trunking Protocol (VTP). CCNA III students are expected to apply information from CCNA I, II and III to a network and to explain how and why a particular strategy is employed. In addition, the students will prepare for the CCNA Certification Exam.

IT222 - CISCO INTERNETWORKING IV

Prerequisite:

IT220

CCNA IV: WAN Technologies v3.0 is the last of four courses that lead to the Cisco Certified Network Associate (CCNA) designation (640-801 CCNA or 940-811 ICND). The course focuses on Network Address Translation (NAT), Port Address Translation (PAT), Dynamic Host Configuration Protocol (DHCP), WAN technology and terminology, Point-to-Point Protocol (PPP), Integrated Services Digital Network (ISDN), dial-on-demand routing (DDR), Frame Relay and network management. CCNA IV v3.0 students are expected to apply information from CCNA I, II III and IV to a network and to explain how and why a particular strategy is employed. In addition, the student will prepare for the CCNA Certification Exam.

WELDING TECHNOLOGY

WLD151 - BASIC WELDING A

Introduction to welding, cutting processes and related equipment. Basic setup, operation and related safety are applied.

WLD152 - BASIC WELDING B

An introduction to common cutting processes used in industry. Theory, setup, operation and related safety are applied.

WLD100 - OXY-FUEL SYSTEMS - Dual Credit Course with BGTC **Co-requisite: WLD101 or consent of instructor**

A working knowledge of: oxy-fuel identification, setup, inspection and maintenance; consumable identification, selection and care; principles of operation and effects of variables for manual and mechanized oxy-fuel cutting, welding, brazing principles and practice, and metallurgy. Shop safety and equipment use are also covered.

WLD101 - OXY-FUEL SYSTEMS LAB **Co-requisite: WLD100 or consent of instructor**

Manipulative skills necessary to weld and cut plate and pipe in all positions, as well as brazing, braze welding and gouging.

WLD110 - CUTTING PROCESSES **Co-requisite: WLD101 or consent of instructor**

A working knowledge of various cutting processes used by the welding industry. Will include, but is not limited to, safety, theory of operation, setup and operating techniques, troubleshooting, and making minor equipment repairs, terms and definitions, identification, evaluation, repair and prevention of discontinuities of cut surfaces. Includes oxy-fuel cutting, plasma arc cutting, exothermic cutting, air carbon arc cutting, shielded metal arc cutting, and mechanical cutting process.

WLD120 - SHIELDED METAL ARC WELDING (SMAW) **Dual Credit Course with BGTC** **Co-requisite: WLD121 or consent of instructor**

Teaches students the identification, inspection and maintenance of SMAW electrodes, principles of SMAW, the effects of variables on the SMAW process to weld plate and pipe and metallurgy.

WLD121 - SMAW FILLET LAB **Co-requisite: WLD120 or consent of instructor**

Provides laboratory experiences in which the student acquires the manipulative skills to perform fillet welds in all positions.

WLD130 - GAS TUNGSTEN ARC WELDING (GTAW) **Co-requisite: WLD131 or consent of instructor**

Identification, inspection and maintenance of GTAW machines; identification, selection and storage of GTAW electrodes; principles of GTAW; the effects of variables on the GTAW process; and metallurgy. This course also teaches the theory and application of Plasma Arc Cutting.

WLD131 - GTAW FILLET LAB **Co-requisite: WLD130 or consent of instructor**

Teaches the necessary manipulative skills needed to apply the Gas Tungsten Arc on various joint designs, on plate with both ferrous and non-ferrous metals. Plasma Arc cutting is included.

WLD140 - GAS METAL ARC WELDING (GMAW)

Identification, inspection and maintenance of GMZW machines; identification, selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included.

WLD141 - GMAW FILLET LAB **Co-requisite: WLD140 or consent of instructor**

Teaches the practical application and manipulative skills of Gas Metal Arc Welding and the proper safety situations needed in this process. Both ferrous and non-ferrous metals will be covered, as well as various joint designs on plate in all positions.

WLD143 - GMAW GROOVE LAB **Prerequisite: WLD140 or consent of instructor**

Teaches the method of operation and application of the Gas Metal Arc Welding process for welding groove welds in both ferrous and non-ferrous plate in all positions using both short circuiting and spray transfer where appropriate.

WLD170 - BLUEPRINT READING FOR WELDING **Co-requisite: WLD171 or consent of instructor**

Provides a study of occupationally specific prints for welders. Advanced study of multi-view drawing, assembly drawing, datum dimensions, numerical control drawings, sheet metal prints, castings and forgings, instrumentation and control charts and diagrams, working drawings, geometric dimensioning and tolerancing and use of reference materials and books are included. Occupational specifics including welding drawings, symbols, joint types, grooves, pipe welding symbols, testing symbols, and specification interpretations are stressed.

Bowling Green High School
HIGH SCHOOL CURRICULUM PLANNER

PERIOD	GRADE 08 High school courses available @ junior high	GRADE 09	GRADE 10	GRADE 11	GRADE 12
0 (EXCEL)					
1		English I	English II	English III	English IV
2		World Civilization ^W	U.S. History	Political Science	*
3	((Algebra I))	Mathematics	Mathematics	Mathematics	Mathematics Elective (Required)
4		Science	Science	Science	*
5		Health / P. E.	*	*	*
6	((Foreign Language))	*	*	*	*

* Elective course

Four years of mathematics required at Bowling Green High School

Each student will be required to take a full course load, which consists of 6 credits per year (7 with optional EXCEL period).

Two years of the same foreign language are required for college admission.