

Arts/Humanities

Choral Music

Grade Level: 9 – 12

Credits: 1 – 4

Prerequisite: Audition

Description: Students will experience a variety of singing styles and music from places and times. This course covers singing fundamentals and performance techniques. This choir may perform at many concerts throughout the year, including festivals, honor choirs and competitions around the state. Sight-singing, part singing, solo-singing and vocal pedagogy and performance are included in this course. Students develop musical show performance skills, including choreography and dance. They continue to learn in a variety of singing styles, with focus on more popular and audience-oriented selections. Students will have a great deal of creative input in staging, production and choreography.

Drama

Grade Level: 9 – 12

Credit: 1

Prerequisite: None

Description: This course allows students to learn and develop some basic technical skills (set construction, lighting, design, operation, make-up and wardrobe) necessary to produce and appreciate the various aspects in producing a play. The students will be given the opportunity to practice scene interpretation, action, and directing of various drama forms.

General Art

Grade Level: 9 – 12

Credit: 1

Prerequisite: Interest in Art

Description: An introductory and exploratory course dealing with two-dimensional and three-dimensional areas such as design, drawing, painting, sculpture, printmaking, ceramics, and photography. Art history from the Renaissance to the present is also taught. Students will also explore issues of aesthetics (questions about art) and criticism (evaluation of artworks). This course provides a foundation of knowledge supported by the Arts and Humanities component of the Kentucky Core Content and Program of Studies.

Specialized Art I

Grade Level: 10 –12

Credit: 1

Prerequisite: General Art

Description: Students may choose to study in-depth the areas introduced in previous studies. For example, some students may select to work in ceramics while some may choose to work in printmaking. Others may select to work in photography and graphic design.

Art II

Grade Level: 10 – 12

Credit: 1

Prerequisite: General Art and Specialized Art I

Description: This intermediate course provides detailed study in both two and three dimensional media, including: drawing, painting, design, sculpture, ceramics, printmaking, and computer art. Art history, aesthetics (questions about art), and criticism (evaluation of artworks) will be ties to many of the projects. Students will be encouraged to build upon techniques and concepts learned in General Art, and will be expected to apply knowledge of the Arts and Humanities component of the Kentucky Core Content and Program of Studies to their artworks.

Instrumental Music (Band)

Grade Level: 9 – 12

Credit: 1 – 4

Prerequisite: Teacher Recommendation

Description: This class is designed to give the student performing opportunities. The class will be broken into four separate chances for student performance. Marching Band allows for the band experience to be taken on the road through performances at football games and marching band competitions. The second subset is concert band. This group is our traditional performing group having a Christmas concert and a Spring concert performing challenging repertoire and expanding student ability. The third section is auditioning for All-District and All-State ensembles. Our last section allows small group playing with solo and ensembles.

Arts and Humanities

The Humanities Experience (T.H.E.)

Grade Level: 11

Credit: 1

Prerequisite: None

Description: This course will inform the student of the four basic areas of arts and humanities. The student will study the elements and purpose of dance and movement. In addition, the student will explore Drama and Theatre by examining the creative dramatic and production elements of drama. Furthermore, the student will discover the elements of music and its purpose. Lastly, the student will analyze the elements of art and its production. The course will also attempt to discuss the four areas historically and culturally to show how they evolved simultaneously to reveal man's culture.

English

English I

Grade Level: 9

Credit 1: 1

Prerequisite: Graduate from eighth grade

Description: This course encompasses basic types of literature, a formal grammar sequence, oral and written composition, and speech.

English II

Grade Level: 10

Credit: 1

Prerequisite: English I

Description: English II surveys a variety of world literature with a focus on American and European authors. Through an exploration of the genres of literature an emphasis will be placed upon vocabulary development, reading, comprehension, and communication through writing and speaking. Over the course of the year, students will read and analyze texts in order to make personal, real-world and academic connections based on the themes found in those texts and the over arching essential questions for the course. Additionally, students will further develop their composition skills through daily activities.

Honors English III

Grade Level: 11

Credit: 1

Prerequisite: English I & English II

Description: Honors English III is a survey of American literature with an emphasis on vocabulary development, reading comprehension, and communication through writing and speaking. Over the course of the year, students will read and analyze texts in order to make personal, real-world and academic connections based on the themes found in those texts and the overarching essential questions for the course Honors English II will move through material at a faster pace and a deeper level. Students will build upon prior knowledge improving composition and grammar skills.

English III

Grade Level: 11

Credits: 1

Prerequisite: English II

Description: English III is about surveying American literature to aid our understanding of ourselves and our society, as well as understanding how persuasive literature helped to

create the American society. This course examines works by American authors, beginning with Native American literature and working through to present-day works. This course also focuses on reading and writing skills preparation for standardized testing such as the ACT and On-Demand. English III also continues the development of a student writing portfolio.

English IV

Grade Level: 12

Credits: 1

Prerequisite: English III

Description: English IV is about surveying British literature as a foundation for writing. This course examines works by British authors, beginning with the Anglo-Saxon period of literature and working through to present-day works in chronological fashion that places emphasis on various genres of writing. The importance of these works in regard to developing writing skills for various purposes (i.e. portfolio, on-demand, and other real world forms) will be studied and applied. This course also focuses on further developing the reading and writing skills necessary for standardized testing and completes the writing portfolio process.

Content includes appropriate experiences in written composition and the historical, cultural, and aesthetic significance of English and/or world literature. Continuing to write for a variety of purposes and audiences, students attain confidence in handling the stages of the writing process. Special attention to writing about literature, to oral communication, and to research skills and technology is given. Language and mechanics concerns are primarily dealt with in the context of student writing.

AP/DC English IV

Grade Level: 12

Credits: 1

Prerequisite: Acceptance in the DC program will be based on the requirements set by Campbellsville University.

AP requirements:

- Completion of AP course prerequisites with an average of an 80 or better.
- Teacher/Department recommendation.
- Parent/student contract in place with teacher and AP Coordinator.
- Summer homework requirements for each AP class must be completed and submitted by due date.

Description: AP Literature and Composition is a senior English course taught at a college level that engages students in the careful and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they

read, students will consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Writing

is an integral part of this course. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. The overarching goal of this course is to help the student develop mature habits of critical thinking as an independent reader of and writer about literature. AP English Literature is both demanding and intellectually stimulating. Classroom discussion and active participation are vital and serve as a means of testing ideas.

Journalism and Communications

Journalism: Yearbook

Grade Level: 11 –12

Credit: 1

Prerequisite: Technology and English Skills

Description: Yearbook journalism combines photography, writing skills, ad sales, and computer layout design. This class uses the online yearbook. Students must be able to attend events in the evenings and on weekends to get photographs. Students must be able to drive and provide their own transportation.

Family and Consumer Science

Life Skills

Grade Level: 9 - 12

Credit: ½

Prerequisite: None

Description: This course is designed to help students realize the level of commitment required to manage career and family. It will assist students in developing the skills needed to resolve family and work issues. The extent to which a career impacts family goals and reflects personal values will be explored. Leadership development will be provided through the Family, Career, and Community Leaders of America. (FCCLA)

Child/Human Development

Grade Level: 10 – 12

Credit: 1

Prerequisite: None

Description: This course addresses the practical problems related to understanding the types and stages of human growth and development, recognizing effects of heredity and environment on human growth and development, meeting the needs of exceptional children, promoting optimum growth and development in infancy, toddler, preschool, middle childhood, adolescent, adulthood, and geriatric stages. Careers in child/human development are explored. Leadership development will be provided through the Family, Career, and Community Leaders of America. (FCCLA)

Foods

Grade Level: 10 – 12

Credit: 1

Prerequisite: None

Description: This course is designed to assist students in making critical decisions about food which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diet plans, management of food resources, preparation skills, food safety and food borne illnesses, and careers in nutrition and food service. Leadership development will be provided through the Family, Career, and Community Leaders of America. (FCCLA)

Relationships

Grade Level: 10 – 12

Credit: 1

Prerequisite: None

Description: This course assists students to develop self understanding, understand others better, improve interpersonal skills both within and outside the family, be more considerate of other person's needs and property, and maintain mental and emotional wellness. Family Life education comprises a portion of this course, including dating and married relationships. Preparations for the achievement of a successful marriage are emphasized. Leadership development will be provided through the Family, Career, and Community Leaders of America. (FCCLA)

Parenting

Grade Level: 10 – 12

Credit: 1

Prerequisite: None

Description: This course is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, caring for the newborn, being an effective parent/care giver, caring for the sick and elderly, and exploring career opportunities in care giving.

Money Skills

Grade Level: 9 – 12

Credit: 1

Prerequisite: None

Description: This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and families. Decision-making, problem solving, goal setting and using technology are integrated throughout the content. Leadership development will be provided through the Family, Career and Community Leaders of America.

Foreign Language

Spanish I

Grade Level: 9-11

Credit: 1

Prerequisite: A, B, or C grades in English

Description: Students are expected to read, write and speak about themselves and their immediate world (school life, family, friends, community, etc.) using simple sentences containing basic language structures. This communication is evidenced in all four language skills, listening, speaking, reading and writing, with emphasis on ability to communicate orally and in writing. Students will demonstrate a knowledge of the target culture: traditions, customs, beliefs and cultural contributions and how these elements relate to language.

Spanish II

Grade Level: 10-12

Credit: 1

Prerequisite: A, B, or C grades in Spanish I

Description: Students continue to develop proficiency in all four language skills, listening, speaking, reading and writing, with emphasis on the ability to communicate orally and in writing. They learn to function in real-life situations using more complex sentences and language structures. Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions. They read material on familiar topics and produce short writing samples. Students continue to explore as they study the themes of home life, student life, leisure time, and vacation and travel.

Students demonstrate understanding of the nature of language through comparisons of the language studied and their own. Through study of language and culture, students recognize, compare, and contrast language concepts as well as cultural perspectives, practices, and products. Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own.

Spanish III

Grade Level: 11 -12

Credit: 1

Prerequisite: A or B in Spanish II

Students continue to develop their proficiency in speaking, listening, reading and writing, interacting with other speakers of Spanish. Understanding oral and written messages in Spanish, and making oral and written presentations in the target language. Students communicate on a variety of topics using complex structures, moving from concrete to more abstract concepts. They comprehend the main ideas of authentic materials that they

read and hear, and are able to identify significant details when the topics are familiar. Spanish is used exclusively in the class as students develop the ability to discuss topics related to historical and contemporary events and issues.

Upon completion of level III Spanish, students are expected to be prepared to confidently converse and understand persons from Spanish-speaking environments. They will have developed the necessary confidence in their Spanish communicative ability to proficiently participate in informal, personal friendship exchanges and/or be able to assist in a more serious formal situation, such as the role of an interpreter in an emergency occurrence. Students will be able to read Spanish language books, magazines, newspapers and informational materials such as transportation schedules and/or other consumer information, to attend lectures, movies, plays and to participate in bilingual gatherings. Students will be able to effectively communicate with Spanish speaking individuals in the workplace, and subsequently when traveling to any of the Latin American countries where Spanish is the target language.

Green County Area Technology Center

Mission: Our mission is to provide technical preparation to individuals who seek initial employment in business occupations and to provide retraining opportunities for those who are currently employed. Instructors recognize the need for an area committed to providing high quality instruction to enable individuals to become competent in technical skills, communication skills, related academic knowledge and to develop attitudes that are necessary for successful employment.

Business Technology

Accounting I

Grade Level: 10 – 12

Credits: 1

Description: The accounting principles taught in this course are based on a double-entry system and include preparing worksheets, journals, ledgers, payroll taxes, and financial statements for a sole proprietorship, partnership, and corporation. Opportunities for exposure to automated accounting are provided. Leadership development will be provided through Future Business Leaders of America (FBLA).

Accounting II

Grade Levels: 11 –12

Credits: 1

Prerequisite: Accounting I

Description: This course includes an in-depth study of accounting principles, procedures, and techniques for proprietorships, partnerships, and corporations. Competencies include keeping financial records for accounts receivable, uncollectable accounts, plant assets, notes receivables, notes payable, and vouchers. The course develops skills in analyzing, interpreting, summarizing, and reporting information, preparing formal statements and supporting schedules; and using inventory control systems.

Advanced Computer Applications

Grade Levels: 11 –12

Credits: 1

Prerequisite: Word Processing

Description: Students use a microcomputer and current word processing, database, spreadsheet, and presentation software. The requirements, capabilities, limitation, and applications of these software packages are included.

Business Communications

Grade Level: 11 – 12

Credits: 1

Description: Business Communications is the study of written, oral, and electronic communication in a business environment. Emphasis is on writing letters, preparing and orally presenting reports, using the telephone in business, electronic transfer of information, using business information resources, listening and interpreting, and

developing business messages. Leadership development will be provided through Future Business Leaders of America (FBLA).

Business Math

Grade Level: 10 –12

Credits: 1

Description: This course applies mathematical skills required for the performance of business tasks. Students learn how to use the touch system on a numeric keypad to compute payroll, markup/markdown, purchases, loans, discounts, stock and bond transactions, and other business applications.

Computer Applications and Keyboarding

Grade Level: 10 – 12

Credits: 1

Description: This course is designed to develop skills in operating a keyboard by touch, provides students an opportunity to develop skills through the completion of projects and performance based activities. The experiences apply and reinforce competencies required for employment in the modern office.

Computer Software Maintenance

Grade Level: 9 – 12

Credits: 1

Description: This class will focus on the maintenance of the personal computer with an emphasis on installation, upgrading, and configuration of the operating system. Memory management, boot sequences, printing subsystem, application software, and networking are also covered. Troubleshooting is the main focal point including viruses.

Desktop Publishing

Grade Level: 11 –12

Credits: 1

Prerequisite: Computer Applications and Keyboarding

Description: Hands-on experience is provided using desktop publishing software to design and produce high resolution publications such as flyers, brochures, business forms, and newsletters. Students are also introduced to basic design techniques, type and graphics layout and related terminology. Personal calendars, mailing labels, stationary, power point presentations, and the ATC yearbook are other activities that are included in projects and assignments.

Electronic Office

Grade Levels: 11 – 12

Credits: 1

Prerequisite: Computer Applications and Keyboarding

Description: This course is the study of practices and procedures of current office concepts. Areas covered include job application procedures, human relations in the office, business ethics, decision-making skills, travel and meeting arrangements, time and stress management, incoming/outgoing mail processes, and telephone procedures.

Management of records from creation to disposal are presented. Database software will be used to create and edit files and prepare reports.

Financial Services I / School Bank

Grade Level: 11- 12

Credits: 1

Prerequisite: Accounting is encouraged

Description: This course is designed for eleventh and twelfth grade students interested in pursuing a career in the financial institution field. It involves operation of a student financial center in cooperation with sponsoring bank, which provides application of banking and financial procedures and concepts. Leadership development will be provided through Future Business Leaders of America (FBLA).

Financial Services II / School Bank

Grade Level: 12

Credits: 1

Description: Financial Services II is a continuation of Financial Services I, providing opportunities to enhance students' and English portfolio writing. Students continue to learn practice financial activities associated with the operation of a bank and other finance-related institutions in addition to assuming management and supervisory responsibilities, including training new employees. Students will participate in a work-related learning experience (i.e., co-op, internship, shadowing, mentoring, etc.). Leadership development will be provided through Future Business Leaders of America (FBLA).

Web Page Design I

Grade Level: 10 –12

Credits: 1

Description: Web Page Design is the study of page design for the Internet. It focuses on principles of design, language, structure and restrictions of an Internet presentation.

Web Page Design II

Grade Level: 11 – 12

Credits: 1

Prerequisite: Web Page Design I

Description: Web design using HTML will be introduced. Students will create web documents using a simple text editor such as Notepad. Web page features such as layout, tables, images, forms, frames and the incorporation of sound and video will be covered.

Electrical Technology

Circuits I

Grade Level: 10 – 12

Credits: 1

Description: Introduces the theory of electricity and magnetism, and the relationship of voltage, current resistance, and power in electrical circuits. Circuit analysis techniques

are stressed. DC circuits are analyzed using Ohm's Law, Kirchoff's Law and various network theorems.

Electrical Construction I

Grade Level 9

Credits: 1

Description: Designed to give hands-on experiences with electrical materials and equipment in construction wiring.

Electric Motor Controls

Grade Level: 10 – 12

Credits: 1

Description: This course addresses the diversity of electric motor control devices and applications used in industry today with safety and electrical lockouts included. Motor control connection and troubleshooting will be emphasized.

Health Sciences

Anatomy and Physiology

Grade Level: 11 – 12

Credits: 1

Description: This course is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. Alterations in the body processes as the result of disease, injury, or heredity will be discussed. The course includes the interaction of all body systems in maintaining homeostasis and promotes an understanding of the basic human needs necessary for health maintenance. This course includes Basic Anatomy and Physiology (HEA110) from the KY TECH curriculum.

Emergency Procedures

Grade Level: 10 – 12

Credits: ½

Description: The Emergency Procedures course will focus on current emergency techniques relative to cardiac and/or respiratory arrest and emergency situations. It is designed to promote an understanding of the effects of microorganisms on the human body and will include Universal Precautions necessary for personal and professional health maintenance and infection control.

Success completion of this course will qualify a student to become certified in safety, first aid, and cardiopulmonary resuscitation (CPR) as required by standards set forth by the American Red Cross, American Heart Association, National Safety Council-Green Cross or the National Safety Council. This course includes KY TECH curriculum (HEA125) – Microbiology and Infection Control, CPR 100 – Cardiopulmonary Resuscitation and SFA100 – Safety and First Aid).

Introduction To Health Sciences

Grade Level: 10 – 12

Credits: 1

Description: This course is an orientation to the health care cluster consisting of our career majors: Nursing, Medicine, Dentistry, and Allied Health. It is also designed to develop and enhance an understanding of the roles and responsibilities of each career major area. Communication, study, and leadership skills will be emphasized as the student learns about the health care industry, health care economics, and career opportunities available. Medical Terminology will be integrated throughout this course upon successful completion of this course. The student will be able to focus on a career major path and make informed decisions regarding choices for continuing education and/or employment. This course addresses the Kentucky Learner Goals and Academic Expectations, Core Content for Assessment, and includes core components from the National Health Care Skill Standards.

Medicaid Nurse Aide

Grade Level: 12

Credits: 1

Description: Specific knowledge and skills for students and/or nurse aides to assume the role and responsibility required in long-term care is communicated to the student through lectures, lab, and clinical practice. The focus of the course is communication, infection control, safety, residents' rights, and basic nursing skills.

Medical Terminology

Grade Level: 10 –12

Credit: ½

Description: An overview designed of the basic techniques of medical word building is provided. Once these techniques have been developed, they can readily be applied to acquire an extensive medical vocabulary. Emphasis is on basic anatomical, physiological, pathology, diagnostic procedures, and pharmacological terms.

Practicum

Grade Level: 12

Description: The practicum provides supervised on-the-job work experience related to the students' education objectives. Students participating in the practicum do not receive compensation. **Teacher approval is required.**

Automotive Technology

Automotive Climate Control

Grade Level: 10 – 12

Credits: 1

Description: This course introduces the theory and operation of automotive heating and air conditioning systems. Automotive air conditioning terminology and how to service and troubleshoot mechanical and electrical circuits of heating and air conditioning systems are emphasized.

Automotive Electricity

Grade Level: 10 – 12

Credits: 1

Description: This course introduces the student to the principles, theories, and concepts of the automotive electrical system that include the unique diagramming, coding and locating of wiring of component devices. Student must also sign up for Auto Engine Repair for first semester and Basic Fuel Systems for second semester.

Automotive Engine Repair (First Semester) and Basic Fuel and Ignition Systems (Second Semester)

Grade Level: 10 – 12

Credits: 1

Description: This course presents the theory, component identification, application, operation, and the service and repair of the basic automotive ignition, fuel, and emission systems, including related components. This course develops skills necessary to diagnose and repair the automotive basic ignition, fuel and emission systems. Student must also sign up for Auto Electricity.

Brake Systems

Grade Level: 10 –12

Credits: 1

Description: This course involves the operational theory and application of hydraulic and anti-lock brake systems; disc and drum brakes are discussed.

Steering and Suspension

Grade Level: 10 – 12

Credits: 1

Description: This course develops skill in the diagnosis and repair of automotive suspension systems, wheel alignment, tires and balancing. This course develops the skills necessary to diagnose and repair the automotive steering a suspension system.

Students may attend the Green County Area Technology Center during their junior and/or senior years. The Center is located next to Green County High School in Greensburg, Kentucky. Students will be transported by a school bus to the Center. Students may **not** drive a car without written permission from the principal of Campbellsville High School.

All credits earned at Green County Area Technology Center count toward Campbellsville High School graduation.

Health/Physical Education

A maximum of four (4) credits may be earned in Physical Education

Health

Grade Level: 9

Credit: ½

Prerequisite: None – Required Course

Description: This course deals with today's health problems and areas of interest whatever they may be. The course provides a wider variety of methods and experiences such as dealing with aggressive behaviors, decision-making skills, life-coping skills, and other concerns which could possibly provide a reduction in many of our contemporary health problems.

Physical Education I

Grade Level: 9

Credit: ½

Prerequisite: None – Required Course

Description: This course is required for graduation. This course will incorporate the study of physical fitness with fundamentals of team sports, lifetime sports, locomotor and non-locomotor skills, and psychomotor skills. The course is only eighteen weeks long. Students will take this course for one semester.

Physical Education II

Grade Level: 10-12

Credit: 1

Prerequisite: Physical Education I

Description: The teaching of advanced skills in both team and individual sports, which takes in a broader range of activities. Emphasis is put on leadership such as officiating, elementary PE aides, life-saving certification, and CPR certification.

Physical Education III

Grade Level: 10 – 12

Credit: 1

Prerequisite: PE I

The emphasis is on the progression of skill level and knowledge of rules, terms, strategies of games, and participant sports. Instruction is given in organized competition in team, individual and dual sports. Physical fitness work and physical and written testing are included.

Physical Education IV: Weight Lifting

Grade Level: 10 -12

Credit: 1

Prerequisite: Physical Education I

Description: Students will learn to properly execute a variety of weight lifting exercises. Along with learning the basic fundamentals, students will be introduced to several

training programs. Students will be taught how to change the structure of these programs to meet specific training goals.

Mathematics

Algebra I

Grade Level: 7- 9

Credit: 1

Prerequisite: Seventh or Eighth Grade: CMS School Policy

Description: This course will bridge the gap between middle school math, including pre-Algebra and Algebra II. In the course, emphasis is placed on the following: Real number, matrices, expression, slope, ratios, proportions, probability, functions and polynomials.

Eighth grade students may earn one (1) high school credit if the Algebra I grade is a “C” average or higher.

Algebra II

Grade Level: 8 - 10

Credit: 1

Prerequisite: Algebra I

Description: High school students should enter high school with a strong background in rational numbers and numerical operations and expand this to real numbers. Solving quadratic equations produces a working knowledge of complex numbers. This becomes the foundation for Algebra and working with algebraic symbols. They understand large and small numbers and their representations, powers and roots. They compare and contrast properties of numbers and number systems and develop strategies to estimate the results of operations on real numbers. Students will use and understand the limitations of, graphing calculators and computer spreadsheets appropriately as learning tools.

Geometry

Grade Level: 9 – 11

Credit: 1

Prerequisite: Algebra I and Algebra II

Description: Emphasis in this course is placed on inquiry, discovery, justification and real-world applications of geometric relationships and principles. Study topics include congruent segments and angles, parallel and perpendicular lines, angle measure in triangles, congruence and similarity, logic, coordinate geometry, the Pythagorean Theorem, right triangle trigonometry, geometric constructions, transformations, surface area and volume of solids, and circles-segments and angles within circles.

Honors Geometry

Grade Level: 9 - 10

Credit: 1

Prerequisites: Algebra I and Algebra II

Description: This is a geometry course which is designed for advanced/gifted mathematics students. The course is faster paced and more rigorous than Geometry.

Advanced Topics In Mathematics

Grade Level: 11 – 12

Credit: 1

Prerequisites: Algebra I, Algebra II and Geometry

Description: This course will bridge the gap between high school Algebra and pre-college level courses. Topics included in this course are on functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, systems of equations, matrices and probability.

DC College Algebra

Grade Level: 11 – 12

Credit: 1

Prerequisites: Algebra I, Algebra II and Geometry

Acceptance in the DC program will be based on the requirements set by Campbellsville University.

Description: This course is designed to bridge the gap between two years of high school Algebra and MTH 100 to college level pre-calculus courses. Topics included in this course are exponents and radicals, polynomials, rational expressions, solving equations and functions and their graphs. This course will not count toward mathematics major or minor programs. It is required for a mathematics major WITH teacher certification. This course can be taken for high school credit if the students qualify through the ACT or PLAN tests. They are allowed to take the class for dual credit through Campbellsville University.

DC College Trigonometry

Grade Level: 11 – 12

Credit: 1

Prerequisites: Algebra I, Algebra II, Geometry Advanced Topics and College Algebra

Description: This course is designed to bridge the gap between College Algebra and the first year of Calculus. Topics included in this course are measurement of angles, trigonometric functions, graph of the trigonometric functions, trigonometric identities, sum and difference identities, trigonometric equations, law of sines and law of cosines.

This course can be taken for high school credit. If the students qualify through the ACT or PSAT tests, they are allowed to take the class for dual credit through Campbellsville University.

Science

Anatomy/Physiology

Grade Level: 11-12

Credit: 1

Prerequisite: Biology and Chemistry I with an A, B, or C grade.

Description: This course is a survey of the human body. It explores the structure and function of the major systems of the body. The laboratory experiments include the dissection of a sheep brain, a sheep heart and a cat. Dissection labs are important in this class and participation is mandatory. It is recommended for all students planning on a career in the health field.

AP/DC Chemistry (Chemistry II)

Grade Level: 11 – 12

Credit: 1

Prerequisite: Chemistry I with an A, B, or C. If taken for DC, acceptance into DC program is required; however course work and expectations are the same for all students.

AP requirements:

- Completion of AP course prerequisites with an average of an 80 or better.
- Teacher/Department recommendation.
- Parent/Student contract in place with teacher and AP Coordinator.
- Summer homework requirement for each AP class must be completed and submitted by due date.

Description: This course is designed to expose students to chemical concepts in more depth than Chemistry I. These concepts will be an extension of what has been learned already plus the introduction of concepts such as Thermodynamics, Solutions Chemistry and much more. This course offers students advanced-level and laboratory experiences involving chemical matter and change.

AP Physics B

Grade Level: 11-12

Credit: 1 AP requirements:

- Prerequisite: Completion of AP course prerequisites with an average of an 80 or better.
- Parent/student contract in place with teacher and AP Coordinator
- Summer homework requirement Teacher/Department recommendation for each AP class must be completed and submitted by due date..

Description: AP Physics B is a college level course that uses advanced algebra and trigonometry as the primary tools for problem solving. AP Physics B is the approximate equivalent of a two-semester course in non-calculus based physics at most universities. Topics will range over the entire spectrum of physics including mechanics, properties of matter thermodynamics, acoustics, optics, electricity, magnetism and modern physics as

outlined in the College Board Physics B Course Description Book. The class provides a systematic development of the main principles of physics, emphasizing problem solving and guiding students to a deeper understanding of physics concepts. This course is designed to prepare students to participate in the Advanced Placement Physics (AP) test administered in May.

Biology

Grade Level: 10-12

Credit: 1

Prerequisite: None

Description: This course is a survey of living things and how they are interdependence on each other. This course will look at topics such as cell structure and function, cycles of nature, ecology and genetics. Laboratory activities include the dissection/analysis of squid, earthworm, fetal pig and owl pellets.

Chemistry I

Grade Level: 10-12

Credit: 1

Prerequisite: Biology

Description: The course covers topics such as changes in matter and energy, atomic and molecular structure, measurements, the periodic table and periodic trends, chemical bonding, physical and chemical changes, measurement, lab techniques, and problem solving in chemistry.

Honors Chemistry

Grade Level: 10 – 12

Credit: 1

Prerequisite: Biology

Description: This course is for those students that are college bound and are possibly looking to work in some areas of science. This course covers topics such as changes in matter and energy, atomic and molecular structure, measurements, the periodic table and periodic trends, chemical bonding, physical and chemical changes, measurement, lab techniques, and problem-solving in chemistry. This course contains more math calculations than chemistry and tries to prepare students for AP/DC Chemistry the following year.

Integrated Science

Grade Level: 9

Credit: 1

Description: Integrated Science is a comprehensive course which covers a broad spectrum of the various aspects of the science discipline. In this course students will be exposed to concepts in the areas of physical science and Earth/space science. Units of study include measurement and mathematics, laws of motion and forces, momentum and energy, and electricity and magnetism the physical science discipline. In the area of earth and space science, topics range from interactions and energy of the earth, the stars, the

solar system and the universe, to the origins and evolution of these systems of the universe. Incorporated within the studies will be analysis and scientific inquiry.

Integrated Science II (Equivalent to Chemistry I)

Grade Level:

Credit: 1

Prerequisite: Biology

Description: Integrated Science II is a general science and biology review survey course that revisits the topics covered in Integrated Science. The main topics of the course are physical and earth/space science. The physical science concepts covered include structures of atoms, structures and properties of matter, chemical reactions, motions and forces, conservation of energy, and interactions of matter and energy. The earth/space science concepts covered include earth's interaction's, development of the earth, solar system, and universe, energy/origin/evolution of earth's system, geochemical cycles, and the origin/evolution of the universe. The biology concepts covered include the cell genetics and animal behavior.

Social Studies

AP U. S. History

Grade Level: 10 – 12

Credit: 1 AP requirements:

- completion of AP course prerequisites with an average of an 80 or better.
- teacher/Department recommendation
- parent/student contract in place with teacher and AP Coordinator.
- summer homework requirements for each AP class must be completed and submitted by due date.

Description: AP U.S. History is a college course taught in a high school setting. It is an intense study of American History. Emphasis is placed on thinking skills, essay writing, and interpretation of historical documents as they pertain to United States History.

Students will:

- master a broad body of knowledge
- demonstrate an understanding of historical chronology
- use historical data to support an argument of position
- analyze historical evidence to determine its validity and relevance
- formulate generalizations, read extensively from a variety of sources

participate in lectures, power points, and class discussions

Integrated Social Studies

Grade Level: 9-12

Credit: 1

Prerequisite: None

Description: This course is designed to help students develop basic knowledge of economics, government, geography and world cultures. Students will gain skills in map reading, cause and effect relationships while developing a knowledge of world cultures. Students will learn basic economic principles and how individuals and nations choose to use their scarce resources to fill their needs and wants. Students will develop and maintain their own personal budgets, pay bills and file simple taxes as part of a model economic experience. This course will also help prepare those students who are planning to take AP U.S. History.

Law & Justice

Grade Level: 11-12

Credit: ½

Prerequisite: Political Science

Description: This course begins with an overview of legal terms of which all citizens should be aware. Special topics covered are: divorce laws, juvenile laws and marriage laws. A mock trial culminates this course. All students are required to participate.

Political Science

Grade Level: 11-12

Credit: ½

Prerequisite: U. S. History

Description: Political Science examines the basic structures of governments and institutions. The relationships of power and decision-making are examined through the study of the Constitution of the United States and the amendments, other historical documents, the State Constitution, and local governing bodies. A political science project is required by each student.

U. S. History

Grade Level: 10-12

Credit: 1

Prerequisite: Required for all students

Description: In U. S. History, we attempt to take a look at how the U.S. has evolved from the days of European exploration to issues of concern to us today with concentration on recent history (since the Civil War). The course looks at the forces that shaped and continue to shape political, economic, and social institutions and the impact of those forces on the development of the United States in the twentieth century.

World Civilization

Grade Level: 9 - 12

Credit: 1

Prerequisite: Required for graduation

Description: World Civilization is designed to study various cultures and their historical development. It provides for a deeper understanding of contemporary global issues. Distinguishing characteristics found with each of the cultures studied are examined through literature, art, architecture, music, religion and philosophy.

Technology Education

Business Communications (Student Technology Leadership Program or S.T.L.P.)

Grade Level: 9-12

Credit: 1

Prerequisite: Completed Application Form.

Description: The Student Technology Leadership Program (STLP) will develop activities that may enhance the academic, social, and emotional growth of the student while giving leadership opportunities to each classroom participant. The STLP classroom will experience a diverse multi-age collaboration and develop instructional activities by forming innovative learning partnerships between peer groups, school personnel, and the community-at-large. STLP will develop classroom activities that integrate technology into existing core content areas and ongoing school activities, including:

Computer & Technology Applications

Grade Level: 9-12

Credit: 1

Prerequisite: Basic keyboarding skills or Keyboarding Applications

Description: Students use a computer and application software including word processing, presentation, database, spreadsheets, Internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented.

Computer Support Essentials

Grade Level: 9 – 12

Credit: 1

Prerequisite: Computer & Technology Applications

Description: Students will learn skills necessary to perform general computer hardware and software support.

Help Desk I

Grade Level: 9 – 12

Credit: 1

Prerequisite: Computer Support Essentials

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

Multimedia Publishing

Grade Level: 9 – 12

Credit: 1

Prerequisites: Computer and Technology Applications

Description: This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include, but are not limited to, brochures, manuscripts, reports, programs, catalogs, newsletters, flyers, business forms, and 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 communications skills, problem solving techniques, cooperative learning, and interpersonal skills.

Web Page Design

Grade Level: 9 – 12

Credit: 1

Prerequisite: Computer Technology Applications or Multimedia Publishing

Description: Students analyze the structure of the worldwide web, apply basic principles of web documents and html, and develop multi-media web pages. Course content will include the understanding of hypertext and web structures. Equipment such as scanners, digital and video cameras, and sound recording devices will be utilized through hands-on instruction.

Computer Maintenance and Support Services

Grade Level: 9 – 12

Credit: 1

Prerequisite: Computer Support Essentials

Description: Students learn to educate users as well as solve hardware or software operation application problems. They learn to solve the problems users face in daily operation. Other skills include listening carefully and ask the appropriate questions to gather needed information and then take steps to solve the problem. Students learn to work help desk and waking users through the steps required to solve a problem over the telephone. They may also work with hardware and software installation and configuration.

Table Of Contents

Arts and Humanities

• Choral Music	1
• Music	1
• Drama	1
• General Art	1
• Art II	2
• Specialized Art I	2
• Instrumental Music (Band)	2
• The Humanities Experience	2

English

• English I	3
• English II	3
• English III	3
• Honors English III	3
• English IV	4
• AP/DC English IV	4

Journalism

• Yearbook	5
------------	---

Family and Consumer Science

• Career and Family	6
• Child/Human Development	6
• Foods	6
• Relationships	7
• Parenting	7
• Money Skills	7

Foreign Language

• Spanish I	8
• Spanish II	8
• Spanish III	8

Green County Area Technology Center

Business Technology

- **Accounting I** 10
- **Accounting II** 10
- **Advanced Computer Applications** 10
- **Business Communications** 10
- **Business Math** 11
- **Computer Applications and Keyboarding** 11
- **Computer Software Maintenance** 11
- **Desktop Publishing** 11
- **Electronic Office** 11
- **Financial Services I** 11
- **Financial Services II** 12
- **Web Page Design I** 12
- **Web Page Design II** 12

Electrical Technology

- **Circuits I** 12
- **Electrical Construction I** 12
- **Electric Motor Controls** 13

Health Sciences

- **Anatomy and Physiology** 13
- **Emergency Procedures** 13
- **Intro to Health Sciences** 14
- **Medicaid Nurse Aide** 14
- **Medical Terminology** 14
- **Practicum** 14

Automotive Climate Control

- **Automotive Climate Control** 14
- **Automotive Electricity** 15
- **Automotive Engine Repair** 15
- **Brake Systems** 15
- **Steering and Suspension** 15

Health/Physical Education

- **Health** 17
- **Physical Education I** 17
- **Physical Education II** 17
- **Physical Education III** 17
- **Physical Education IV (Weight Lifting)** 17

Mathematics

- **Algebra I** 19
- **Algebra II** 19
- **Geometry** 19
- **Honors Geometry** 19
- **Advanced Topics in Mathematics** 20
- **DC College Algebra** 20
- **DC College Trigonometry** 20

Science

- **Anatomy/Physiology** 21
- **AP/DC Chemistry (Chemistry II)** 21
- **AP Physics B** 21
- **Biology** 22
- **Chemistry I** 22
- **Honors Chemistry** 22
- **Integrated Science** 22
- **Integrated Science II** 23

Social Studies

- **AP U.S. History** 24
- **Integrated Social Studies** 24
- **Law & Justice** 24
- **Political Science** 25
- **U.S. History** 25
- **World Civilization** 25

Technology Education

- **Business Communications (Student Technology Leadership Program or S.T.L.P.)** 26
- **Computer and Technology Applications** 26
- **Computer Support Essentials** 26
- **Help Desk I** 26
- **Multimedia Publishing** 27
- **Web Page Design** 27
- **Computer Maintenance & Support Services** 27

.

