

2019-2020

PROGRAM

OF

STUDIES



BROOKVILLE
HIGH SCHOOL

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PROGRAM OF STUDIES

2019-2020

Please Complete in Order

1. Carefully read the Program of Studies to be sure that you understand the requirements for graduation, course offerings, prerequisites, cost and content of the courses.
2. Fill out the Scheduling Form given to you in a conscientious manner.
3. Discuss the Scheduling Form with your parents or guardian. A parent and student signature is required.
4. Return the Scheduling Form prior to your scheduled date.
5. *Failure to return a scheduling form will result in the guidance office selecting courses for you.*

Planning your High School Program of Study

Prior to reading the list of courses being offered at Brookville High School, it must be understood that much energy and time has been spent in exploring and studying a master schedule that will benefit our students.

You should choose your subjects with extreme care, taking into consideration your abilities, interests, needs and chosen vocation. You should plan your courses to meet the requirements for your chosen programs at the Miami Valley Career Technical Center and/or the entrance requirements of your chosen college. Be sure to discuss your educational plans with your parents, teachers, counselors and any others who are interested in your welfare and who may be qualified to give you advice.

In selecting your subjects, pay particular attention to the prerequisites for admission to a course and to the requirements for receiving credit. It is unwise to take an elective for which you have little aptitude or in which you may have difficulty fulfilling the requirements for credit. At the time of registration, you are expected to accept the responsibility for meeting the special requirements of the electives you choose.

NOTE: With the submission of the scheduling form, students and parents are making a firm commitment to taking the requested courses. Once schedules are set, changes will not be permitted.

General Information

1. A required subject which is failed shall be made up in summer school or repeated. A student and his or her parents are to assume responsibility for seeing that courses are made up.
2. Brookville High School will accept credits transferred by transcript from any accredited high school, provided such courses and credits meet the Ohio Department of Education and local requirements.
3. To achieve Honor Roll, a student must earn a 3.333-3.699 GPA. To achieve High Honors, a student must earn a 3.7 or higher GPA.
4. Enrollment for a summer school course at another school must be approved in advance by the high school counselor.
5. Educational options (correspondence, flex credit, independent study, on-line, summer school, Credit Recovery, etc.) may be used to satisfy special needs. Approval from the high school principal is required prior to enrollment.
6. Students are limited to earning a maximum of 10 credits per academic year (July-June). This includes all educational options (ie: CCP, Online, etc.) and high school courses.
7. With administrative approval, a student may retake a non-required course if they have received a "D" or an "F". If they choose to do so, they can replace the original grade with a higher grade. The higher grade will be used to calculate the grade point average and class rank. A student that has not taken the class will be given the priority to take the class before the student choosing to repeat the class. Only one credit will be given for successful completion of the class.
8. The administration reserves the right to cancel any course offerings in which there are not sufficient registration/funds.
9. The administration reserves the right to alter any items listed under General Information to accommodate an individual's academic pursuits. The administration reserves the right to alter any items listed under General Information to accommodate an individual's academic pursuits.
10. All material shared in this document is subject to board of election approval.
11. Students are strongly encouraged to enroll in six (6) classes with the minimum credit earning potential of five and a half (5 ½).
12. Various courses will have the opportunity to earn college credit through the College Credit Plus Program (CCP). These courses vary depending on enrollment and college partnerships. Prior to enrollment, students and

families must review the CCP Program guidelines.

Requirements for Graduation

All students must successfully pass 22 credits included in the following:

- English – 4 credits
- Math – 4 credits including one unit of Algebra II
- Science – 3 credits must include one physical, one biological and one advanced study of science.
- Social Studies – 3 credits must include Modern World History, Modern American History and American Political Studies.
 - **NOTE:** Two credits in the above academic areas must be satisfied prior to admission to MVCTC.
- + Physical Education - .5 credit or P.E. Waiver
- + Health - .5 credit
- + 21st Century Technology - .5 credit
- Personal Economics – 1 credit
- Fine Arts – 1 credit (Art, Digital Imaging, Band, Choir, Shades of Blue, Music Theory, Music Technology or Introduction to Modern Popular Music)
 - + These requirements must be satisfied prior to admission to the MVCTC.

Senior Project – All seniors who attended Brookville High School in the junior and/or senior years are required to successfully complete a Senior Project prior to graduation. Exceptions to this requirement **MUST** be approved by the building principal.

Community Service is required at each grade level.

The required hours are:

- - Freshmen: 5 hours
- - Sophomores 10 hours
- - Juniors: 15 hours
- - Seniors: 20 hours

Students must successfully complete all Ohio Department of Education and Brookville Local Schools Board of Education requirements to participate in the Commencement program. This includes coursework, testing and fees paid in full.

Students **MUST** participate in commencement practice to take part in the formal commencement program. Exceptions must be approved by the Superintendent of Schools.

NOTE: Changes in graduation requirements may occur pending legislative actions.

Schedule Revisions

Parents, instructors, and/or building administrators are the only persons eligible to request a schedule revision. The person(s) requesting the revision must submit the proposal to the guidance office in writing. The request will be kept on file in the student's cumulative folder.

Work Release/Career Exploration forms may be

obtained by students in the guidance office, and must be approved by the administration before requesting a schedule revision.

TYPES OF REVISIONS:

1. **Schedule Change.** A schedule change or moving a class from one period to another within the school day will be permitted only in the case of period conflict or teacher recommendation.
2. **Course Addition.** A class may be added during the first five days of a course. Any work missed due to late entry must be completed before a grade and credit will be awarded.
3. **Course Deletion.** A course may be dropped only when the principal and teacher agree it is in the best interest of the student. At no time will a student drop enrollment to less than six (6) academic classes.

Suggested Grade Level Courses

GRADE NINE

Required - English, Math, Science, Social Studies, Physical Education and Health

Recommended: World Language, Fine Arts

GRADE TEN

Required - English, Math, Science, Social Studies, Physical Education and 21st Century Technology

Recommended: World Language, Fine Arts

GRADE ELEVEN

Required - English, Math, Science and Social Studies

Recommended: World Language

GRADE TWELVE

Required - English, Math, Personal Economics

Recommended - Science, Social Studies

At the conclusion of the sophomore year, a student choosing to attend MVCTC should have successfully completed:

- 2 credits of English
- 2 credits of Social Studies (Modern World History and Modern American History)
- 2 credits of Science
- 2 credits of Math
- .5 credit of Physical Education or P.E. Waiver
- .5 credit of Health
- .5 credit 21st Century Technology

Advanced Courses

The following is a list of Advanced Courses which will carry a weighted grade value: English III Advanced, French III, French IV, Spanish III, Spanish IV, Advanced Algebra II, Pre-Calculus, Physics, Chemistry II, Anatomy & Physiology, IMPACT and Great Books.

Advanced Placement (AP) Courses

Current offerings, AP Government, AP U.S. History, AP Calculus AB & BC, and AP English IV carry a weighted grade. At the student's expense, an opportunity will be given to take AP examinations in May (approximately \$100). Successful completion of the tests could earn students college credits.

Honors Diploma

The student who completes the college preparatory curriculum in high school must meet any **seven (7)** of the following **eight (8)** criteria:

- a. Four units English
- b. Four units of mathematics: algebra I, geometry, algebra II (or equivalent), one other higher level course or 4 year sequence of courses that contain equivalent content.
- c. Four units of science including two units of advanced science
- d. Four units of social studies
- e. Three units of one world language, no less than 2 units of each language studied
- f. One unit of fine arts (Band, Choir, Art)
- g. Maintain an overall high school grade point average of at least 3.5 on a 4.0 point scale up to the last grading period of the senior year.
- h. Composite score of twenty-seven (27) earned on the American College Test (ACT) or 1280 composite score on the Scholastic Achievement Test (SAT).

The student who completes an intensive career-technical education curriculum in high school must meet any **nine (9)** of the following **ten (10)** criteria:

- a. Four units of English
- b. Four units of mathematics: algebra I, geometry, algebra II (or equivalent), or one higher level course or 4 year sequence of courses that contain equivalent content.
- c. Four units of science including two units of advanced Science
- d. Four units of social studies
- e. Four units in the student's career-technical education curriculum minimum
- f. Two units of one world language
- g. Maintain an overall high school grade point average of at least a 3.5 on a 4.0 point scale up to the last grading period of the senior year.

- h. Composite score of twenty-seven (27) earned on the American College Test (ACT) or 1280 composite score on the Scholastic Achievement (SAT).
- i. Field Experience: Complete an internship or apprenticeship and portfolio on their field experiences.
- j. Portfolio: Develop a comprehensive portfolio or work based on the student's field experience that is reviewed and validated by external experts.

Note - Additional Assessments: Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

Additional Diploma with Honors are available. Visit the Ohio Department of Education website for more details.

ENGLISH

English I – 1020

PREREQUISITE: None

Fee: \$18.00

1.00 credit

English I focuses on the basics of literature and writing. In writing, student's complete narrative, expository, descriptive, opinion, and research papers. In literature, they read novels, short stories, poems, and nonfiction with emphasis on the elements of each. A state required end of course exam follows this course.

English II – 1030

PREREQUISITE: Pass English I

Fee: \$14.50

1.00 credit

English II is a course designed to build on the language and communication skills developed in the freshman year. It is basic, covering all parts of the English curriculum with greater emphasis on the more practical aspects of communication and linguistic needs. In the area of grammar and usage there is greater stress on usage than on grammar, with particular consideration given to effective oral and written usage. In composition, expository skills are expanded to develop control of the essay form as well as to develop ability in research writing. In communication there is progressive development through the basic speech types. In literature the emphasis is on a greater appreciation of the skill and technique of the author. A state required end of course exam follows this course.

English III – 1040

PREREQUISITE: Pass English II

Fee: \$15.00

1.00 credit

English III focuses on American literature. The course is structured to meet the needs of the students whose abilities fall within the average range, and it is less intense than the advance course in preparing students for college. It emphasizes a more practical approach to speaking, reading and writing. It includes essay writing, a survey of great American literature, with more emphasis on modern American authors and ACT/SAT preparation.

English III Advanced – 1045

PREREQUISITE: Pass English I and English II with a B or higher

Fee: \$17.00

1.00 credit

English III Advanced concentrates on American literature. It's a course for students who have demonstrated advanced understanding of English and who want a more intense preparation for college. More material is covered in greater depth than in the regular classes. Students should be able to work independently and willing to read more outside of class. It includes essay writing, a survey of American

literature, college-bound vocabulary, in depth reading, researching and writing about a selected author and ACT / SAT preparation. This is a weighted course.

English IV – 1050

PREREQUISITE: Pass English II

Fee: \$17.00

1.00 credit

English IV focuses on a study of English and American literature. An anthology of English literature is employed that features a historical approach to understanding the relevance of our English heritage. In addition to the literature featured in the anthology, students will read novels by English and American authors in class. Along with reading, different forms of writing will be emphasized including reviews, persuasive pieces and other creative writings.

Great Books –1015

PREREQUISITE: Pass English III or English III Advanced.

Fee: \$12.00

1.00 credit

This course is designed to expose students to a wide variety of literature. The focus of the course will be to evaluate and analyze the elements of literature fiction, in addition to exploring the various cultures and customs throughout the world. The course will require students to study a variety of genres; students should expect to compare and analyze the various works of fiction through papers, presentations and/or projects. This is a weighted course.

AP English IV – 1065

PREREQUISITE: Pass English III Advanced with a B or higher and AP instructor's approval

Fee: \$37.00

1.00 credit

This course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. Students who take the course should be highly motivated, independent learners. The course focuses on writing skills that involve analysis, synthesis and evaluation. The materials read, discussed and evaluated in this course are designed to reflect course work on the college level. Various literary selections will be read and analytical essays related to the selections will be composed. At the student's expense, an opportunity will be given to take an AP examination in May (approximately \$100). Successful completion of the test could earn student's college credit.

*STUDENTS WHO REGISTER FOR AP ENGLISH IV WILL BE GIVEN SUMMER READING TO DO IN PREPARATION FOR THE COURSE. Pick up information about summer reading from the English Department by May 25.

Journalism – 1090

PREREQUISITE: Open to a limited number of Sophomores, Juniors and Seniors.

Fee: None

1.00 credit

Journalism focuses on the production of articles and pages that are laid out using digital photography and publishing software. This group is responsible for the full production of the *Scroll*, the high school yearbook. Major emphasis is placed on the editing process of layout, article editing, digital photography, editing of pictures, picture layout, creating stories of interest, and the ability to sell advertisements. Students are introduced to meeting deadlines with real world products. Students are often required to spend time outside of school hours to complete deadlines.

WORLD LANGUAGES

French I - 1100

PREREQUISITE: Pass previous English class with a C or higher.

Fee: \$15.00 (includes workbook) 1.00 credit

A course designed to introduce the student to basic elements of the French language. Basic vocabulary groups, simple conversations and beginning grammar are taught. Emphasis is placed on acquiring basic listening, speaking, reading and writing skills.

French II - 1120

PREREQUISITE: Pass French I with a C or higher

Fee: \$15.00 (includes workbook) 1.00 credit

This course is a continuation of French I, emphasizing a more accurate French pronunciation and expressing ideas in the past, present and future tenses. Students will gain additional fluency in speaking and increased skills in listening, reading and writing.

French III - 1135

PREREQUISITE: Pass French II with a C or higher or instructor's signature.

Fee: \$15.00 (includes workbook) 1.00 credit

French III is a weighted course in which communication is stressed, along with detailed study of vocabulary, grammatical structures and culture. This course will be conducted primarily in the target language. Students will study contemporary French film, develop reading skills through reading short novels, and complete written reports in the target language.

French IV - 1145

PREREQUISITE: Pass French III with a C or higher or instructor's signature

Fee: \$0 1.00 credit

This is a weighted course which includes a review of basic skills with added emphasis on developing the skills of reading, speaking, writing and listening. This course will be conducted in the target language. Students will analyze French culture through the study of contemporary film. Students will complete oral and written reports in French.

Spanish I - 1200

PREREQUISITE: Pass previous English class with a C or higher

Fee: \$15.00 (includes workbook) 1.00 credit

Spanish is the second most-spoken language in the world. The United States is the third largest Spanish speaking country in the world. Studying Spanish is excellent preparation for college and employment as it provides cultures and a bilingual competence that is increasingly needed in our nation. The four basic communication skills of speaking, listening, reading and writing will be emphasized. Spanish I also introduces students to Hispanic culture and geography. In order to be successful, a student must be organized, self-motivated, willing to participate in communicative activities and presentations, and willing to study outside of class.

Spanish II - 1220

PREREQUISITE: Pass Spanish I with a C or higher

Fee: \$15.00 (includes workbook) 1.00 credit

Spanish II is a continuation of Spanish I. Emphasis will be placed on grammar and culture. At the conclusion of Spanish II, a student should be able to express ideas in the past, present and future tenses.

Spanish III - 1235

PREREQUISITE: Pass Spanish II with a C or higher or instructor's signature

Fee: \$7.00 (includes novelette) 1.00 credit

Spanish III is a weighted course in which communication is stressed. Students begin to work towards proficiency in the language through the study of advanced grammatical structures and universal themes. This course is conducted primarily in the target language and students will be required to complete written and oral reports in the language.

Spanish IV - 1245

PREREQUISITE: Pass Spanish III with a C or higher or instructor's signature.

Fee: \$12.00 (includes online workbook) 1.00 credit

Se estudian los siguientes temas: el mundo de negocios, la política, las leyendas, las celebraciones hispanicas, la música, la poesía y el arte. Se perfeccionan sus capacidades con el lenguaje. Escriben ensayos y dan presentaciones orales. This is a weighted course.

NOTES

Students need two or three consecutive years of one language to fulfill a **college requirement** if there is a language requirement. In order to fulfill the requirements for a minor in world language, a student must take two years of the same language. French II / Spanish II needs to be taken the year immediately following French I / Spanish I. All French students are required to purchase a French/English dictionary through a bookstore of your choice. Students electing a world language are encouraged to complete two (2) units of the language.

MATH

Algebra I - 2010

PREREQUISITE: None

Fee: \$5.00

1.00 credit

The Career and College Readiness Standards for mathematics at the high school level specify the mathematics that all students should study in order to be college and career ready. The fundamental purpose of algebra is to formalize and extend the mathematics that students learned in intermediate school. The critical areas in algebra deepen and extend the understanding of linear and exponential relationships. Students will also engage in methods for analyzing, solving, and using quadratic functions. The College and Career Readiness Standards, which apply throughout algebra, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Geometry - 2020

PREREQUISITE: Instructor signature required.

Fee: \$5.00

1.00 credit

This course is designed to develop logical thinking skills through the use of proofs, inductive and deductive reasoning, and practical applications. Topics covered emphasize applications of one, two and three dimensional figures. Students will be expected to continue to fluently communicate mathematics verbally, symbolically and graphically. A calculator is required for this course. A graphing calculator is recommended.

Advanced Geometry - 2030

PREREQUISITE: Instructor signature required

Fee: \$5.00

1.00 credit

This course is designed for academically talented students who have shown superior performance in previous mathematics courses. This course requires a deep conceptual understanding of the topics of Geometry and additional topics beyond the textbook discussions. The expectations for this course will be higher than those in Geometry. This is *not* a weighted course. A calculator is required for this course. A graphing calculator is recommended.

Algebra II - 2040

PREREQUISITE: Instructor signature required.

Fee: \$5.00 (includes workbook)

1.00 credit

Applications covered in Algebra I and Geometry will be expanded upon. The complex number system and trigonometric functions will be developed and explored. Students will be expected to continue to fluently

communicate mathematics verbally, symbolically and graphically. A calculator is required for this course. A graphing calculator is recommended.

Advanced Algebra II - 2055

PREREQUISITE: Instructor signature required.

Fee: \$5.00

1.00 credit

This course is designed for academically talented students who have shown superior performance in previous mathematics courses. This course will include a rigorous understanding of the topics of Algebra II and additional topics beyond the textbook discussions. The expectations for this course will be higher than those in Algebra II. A graphing calculator is required. This is a weighted course.

Pre-Calculus – 2065

PREREQUISITE: Instructor signature required.

Fee: \$5.00

1.00 credit

This is a weighted course which moves at a pace accordingly. Topics included in this class are the study of elementary functions (linear, quadratic, exponential, and polynomial), trigonometric functions, analytic geometry, sequences and series, logarithms, conic sections, and complex numbers. Technology is used to investigate the relationship between the various forms of mathematical processes. Students will be expected to continue to fluently communicate mathematics geometrically, numerically, analytically and verbally. A graphing calculator is required for this course.

Integrated Math

Prerequisite: Instructor signature required.

Fee: \$5.00

1.00 credit

This course is designed for students whose intention is to improve their math skills and understanding of Algebra. The primary emphasis of the course is to strengthen, review, and extend algebraic topics. This course will also include the study of geometry concepts and their applications. The first semester will cover standards included on high school standardized tests. The second semester will cover Algebra II standards that are essential for placement in an accredited college math course.

Statistics – 2070

PREREQUISITE: Instructor Signature required.

Fee: \$5.00

1.00 credit

This course introduces statistical methods as applied to collecting, tabulating, analyzing, presenting and interpreting data. Topics covered include frequency distributions, measures of central tendency, and measures

of dispersion, elementary probability theory, estimation, hypothesis testing, regression and correlation. Additional

topics beyond statistics may be covered in this course. A graphing calculator is required. This class could be taken simultaneously with Integrated Math, Pre-Calculus, or AP Calculus.

AP Calculus AB – 2095

PREREQUISITE: Instructor signature required.

Fee: \$15.00 (includes workbook) 1.00 credit

Calculus AB is concerned with developing the students' understanding of the concepts of calculus and providing experiences with its methods and applications. This course emphasizes a multi-representational approach to calculus with concepts, problems, and results being expressed geometrically, numerically, analytically and verbally. The course covers the topics required for the AP Calculus AB exam. Technology will be used to reinforce the relationships among the multiple representations, to confirm written work, to implement experimentation, and to assist in interpreting the results. At the student's expense, an opportunity will be given to take an AP examination in May (approximately \$100). Successful completion of the test could earn students college credit. A graphing calculator is required for this course. This is a weighted course.

AP Calculus BC – 2085

PREREQUISITE: Instructor signature required.

Fee: \$5.00 1.00 credit

Calculus BC is a college level course continuing the study of Calculus beyond Calculus AB. Topics include limits, derivatives and integration concepts, techniques and applications of derivatives, techniques and applications of integration, including the study of Calculus with Polar, Parametric, and Vector functions. Also included will be a study of the Calculus in Series and Taylor polynomials and an introduction to differential equations. Students will work with functions graphically, analytically, numerically, and through writing. AP requires a graphing calculator for part of the course. At the student's expense, an opportunity will be given to take an AP examination in May (approximately \$100). Successful completion of the test could earn students college credit. This is a weighted course.

NOTES

Each year the mathematics program expands the scope of high school mathematics and incorporates Algebra, Geometry, Trigonometry, probability and statistics, logic, and discrete mathematics topics. Our curriculum incorporates courses that are problem and application based. Students are encouraged to develop their skills and understanding of mathematics out of the need to solve specific, real-world problems.

SCIENCE

Physical Science – 3060

PREREQUISITE: None

Fee: \$13.00

1.00 credit

This course includes content found in Ohio's New Learning Standards and Model Curriculum for Physical Science. The main focus is on the fundamental aspects of chemistry, earth & space science, and physics; while introducing students to key concepts and theories that provide a foundation for further study in the sciences and advanced science disciplines. An inquiry approach will be utilized to help students explore and create understanding of the concepts and scientific process explored throughout the course.

Biology - 3020

PREREQUISITE: Pass Physical Science or concurrent enrollment in or passed Advanced Geometry

Fee: \$22.00

1.00 credit

Content standards for 10th grade Life Science include themes in the areas of genetics, cells, evolution and interdependence of organisms (Ecology). Topics covered include basic chemistry, biochemistry, cellular biology, molecular biology, evolution, biodiversity and ecology. Students are expected to read and write technical papers, handle science equipment in a mature & safe fashion, and evaluate or design biological investigations to make biological explanations & models. Dissection of preserved animals is a small part of the course. A state required end of course exam follows this course.

Chemistry - 3030

PREREQUISITE: Pass Geometry and Biology

Fee: \$21.50

1.00 credit

This is a complete general chemistry course for the college bound student who is interested in careers such as science research/laboratory work, teaching, medical field and medical technicians, or engineering. This course is presented with the main emphasis on problem solving and laboratory-related activities. It stresses formulas, equations, structure and bonding. Must be prepared to use a great deal of mathematics!

CAUTION: Due to possible health hazard associated with allergies, migraines, asthma, etc., students should consult their physicians for approval to participate in this class prior to signing up.

Chemistry II - 3035

PREREQUISITE: Pass Chemistry I with a C or higher and Pass Algebra II with C or higher

Fee: \$21.50

1.00 credit

This course is designed for students who are pursuing a scientific career after college and want more preparation for college work. The course will include an in-depth study of inorganic chemistry. Some discussion of organic processes and the structure of organic molecules will also take place. Topics covered will include: stoichiometry, electrochemistry, precipitation reactions, redox reactions, enthalpy/entropy, nuclear chemistry, thermodynamics, acid/base reactions, as well as investigating the real-world applications of chemistry. At the student's expense, there will be an option to take the AP examination in May (approximately \$100). Successful completion of the test could earn students college credit. Science Fair project required. Failure to complete the Science Fair project will result in a course failure. This is a weighted course.

Anatomy and Physiology - 3045

PREREQUISITE: Open to Juniors and Seniors. Pass Biology with a C or higher. Pass or concurrent enrollment in Chemistry.

Fee: \$29.00

1.00 credit

Anatomy is the field of study that describes the locations, appearances, and relationships of body structures. Its goal is to answer the basic question: What is it? Physiology is a discipline which explains the mechanisms that operate the activities of the body. Its goal is to answer the basic question: How does it work? Topics include terminology, biochemistry, cytology, the integumentary system, the skeletal system, the muscular system, the nervous system, the endocrine system, the cardiovascular system, the lymph system, the digestive system, the urinary system and the reproductive system. Science Fair project required. Failure to complete the Science Fair project will result in a course failure. This is a weighted course.

Physics - 3055

PREREQUISITE: Open to Juniors and Seniors with appropriate math background. Students must pass Algebra II with a B or higher. Instructors signature required.

Fee: \$26.00

1.00 credit

Physics is the study of the physical world. Everything around you can be described and understood using the concepts of Physics. The goal of Physics is to use a small number of basic concepts, equations, and assumptions to describe the physical world. Once the physical world has been described this way, the Physics principles involved can be used to make predictions about a broad range of phenomena. These principles include mechanics, energy, thermodynamics, vibrations and wave phenomena, and

relativity. Basic Algebra, Geometry and Trigonometry concepts are used to explain various Physics topics. Science Fair project required. Failure to complete the Science Fair project will result in a course failure. This is a weighted course.

STEM College & Career Science – 3001

PREREQUISITES: Available to Juniors and Seniors.
Instructor signature required.

Fee: \$10.00 1.00 credit

This general level course is laboratory & project-based STEM (Science, Technology, Engineering & Mathematics) curriculum which investigates topics in life and physical sciences. Students will work on projects relevant to modern industries in preparation for college and career readiness. Standardized state testing intervention may also occur in this course.

NOTES

All students graduating from Brookville are required to pass a minimum of three (3) full credits of science. College Prep students are encouraged to take four (4) credits of science for graduation and may take more than one science in a given year, provided prerequisites are met.

Chemistry II, Anatomy and Physiology, and Physics meets the advanced course requirements for honors diploma.

SOCIAL STUDIES

Modern World History -4100

PREREQUISITE: None

Fee: \$4.00

1.00 credit

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, and the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking will be used by students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. This course is required for graduation.

Modern American History - 4200

PREREQUISITE: None

Fee: \$5.00

1.00 credit

This course examines the history of United States of America from 1877 to the present. This course will cover the major international and domestic political, economic, and cultural events of the past 137 years. Time will be spent developing the skills related to the study of history and current events including the use of primary and secondary sources, while covering state mandated standards. This course is required for graduation. A state required end of course exam follows this course.

American Political Studies - 4300

PREREQUISITE: None

Fee: \$5.00

1.00 credit

United States government examines the principles and practices of the federal government. Students explore the basic structure of the U.S. government and focus on skills needed to become effective participatory citizens. There is an emphasis on practical application of knowledge and skills. A state required end of course exam follows this course.

Current Political Events - 4410

PREREQUISITE: Open to Juniors and Seniors

Fee: \$5.00

1.00 credit

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of

engagement, and conflict and cooperation. This course is designed to help students follow contemporary historical, political, economic, social, historic and cultural components. The course will emphasize social studies skills and methods needed for independent study. Emphasis will be placed on videotaped news programs, magazines, newspapers, and/or internet news outlets. Classroom activities will involve discussions, debates, presentations, and other individual and group projects.

Psychology - 4420

PREREQUISITE: Open to Juniors and Seniors

Fee: \$5.50

.5 credit

This course is an elective designed for students who have a serious interest in this area. This course will offer the student an introduction to psychology as a science which studies behavior and mental processes that shape behavior. The students will study the contributions made by leading psychologists such as Freud, Skinner, May and Jung. Students will also examine the basic studies in psychology which deal with intelligence, memory, personality, mental disorders, and forms of therapy.

Sociology - 4430

PREREQUISITE: Open to Juniors and Seniors

Fee: \$5.50

5 credit

This course is an elective designed for students who have a serious interest in this area. This course will be an introduction into the study of people, how they live, think and feel. It will explore the social life of groups, neighborhoods, cities and societies. The students will also learn how and why sociologists observe, describe, analyze and sometimes predict human behavior.

AP United States History – 4505

PREREQUISITE: Instructor signature required.

Fee: \$15.00

1.00 credit

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes such as identity, peopling and America in the world. In line with college and university U.S. history, survey courses increased focus on early and recent American history and decreased emphasis on other areas. The AP U.S. History course expands on the history of the Americas from 1491

to 1607 and from 1980 to the present. It also allows teacher flexibility across nine different periods of U.S. history to teach topics of their choice in depth. At the student's expense, an opportunity will be given to take an AP examination in May (approximately \$100). Successful completion of the test could earn students college credit. This is a weighted course.

AP American Government - 4515

PREREQUISITE: Open to junior and seniors. Instructor's signature required.

Fee: \$15.00 1.00 credit

This course will focus on the American political system and appropriate tangent social and historical concerns will be studied in depth. This course is designed for highly advanced and self-motivated students to help them develop research and analytic skills, and acquire knowledge necessary to deal critically with issues and events in United States government. Students will be asked to independently read and write extensively throughout the class. This course is designed to be taught on a college level pace. At the student's expense, an opportunity will be given to take an AP examination in May (approximately \$100). Successful completion of the test could earn students college credit. This is a weighted course.

Personal Economics - 5100

PREREQUISITE: Senior required course

Fee: \$4.00 1.00 credit

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Topics covered will include but will not be limited to credit management, filing tax returns, personal checking accounts, budgeting, risk management, consumer rights and responsibilities, and investment practices. Students will be asked to develop financial goals for their lives and look at vocations that might provide income to satisfy their goals. This course is required for graduation.

IMPACT Economics - 5001

PREREQUISITE: Offered to Seniors, must be paired with IMPACT (5005).

Fee: \$4.00 .5 credit

This non-weighted course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Topics

covered will include but will not be limited to credit management, filing tax returns, personal checking accounts, budgeting, risk management, consumer rights and responsibilities, and investment practices. Students will be asked to develop financial goals for their lives and look at vocations that might provide income to satisfy their goals. This course is required for graduation.

IMPACT - 5005

(I make a Positive, Authentic Contribution Today)

PREREQUISITE: Offered to Seniors, must be paired with Impact Economics. (5001).

Fee: \$10.00 .5 credit

This weighted course will consist of group and individual activities engaging students in developing ideas and practical solutions to solve real world problems in authentic ways. Activities will require student understanding of global events, and application of engineering design, and technology tools in an inquiry based laboratory experience. Embedded skills will focus on the dimensions of technology literacy, visual and oral communication, collaboration and college and career readiness designed to help students thrive in a global economy.

NOTES

Social Studies courses explore the history of civilizations and the interactions of individuals, as well as how this impacts the world today. Typical sequence includes Modern World History, Modern American History, American Political Studies and Personal Economics.

**Seniors must complete Personal Economics or the combination of IMPACT Economics and IMPACT.

AGRICULTURE EDUCATION

Courses

The Brookville Agricultural Education Department offers diverse classes to serve the many different students in grades 8-12. Primary courses are the recommended path for students interested in agricultural sciences, environmental sciences, business, and leadership.

Agriculture, Food and Natural Resources - 7100

PREREQUISITE: None

Fee: \$40.00 (See notes below) 1.00 credit

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

Mechanical Principles - 7160

PREREQUISITE: Completed Agriculture, Food and Natural Resources.

Fee: \$40.00 (See notes below) 1.00 credit

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Agricultural & Environmental Systems Capstone (1-3 credits) - 7150

PREREQUISITE: Must be a Senior Agricultural Education student AND enrolled in another agriculture education class for the current school year.

Fee: \$0 1.0-3.0 Credits

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. Students can earn 1-3 credits depending on the number of hours put into their Capstone project.

Animal and Plant Science - 7170

PREREQUISITE: Completed Agriculture, Food & Natural Resources

Fee: \$40.00 (see notes below) 1.00 credit

Students will apply the knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

Business Management for Agriculture Production, Manufacturing and Entrepreneurship - 7130

PREREQUISITE: Completed Agriculture, Food and Natural Resources.

Fee: \$40.00 (see notes below) 1.00 credit

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Business Management for Agricultural and Environmental Systems is Tech Prep, meaning that students enrolled in this course will be taking Sinclair Community College's Foundation of Business Management course.

Livestock Selection, Nutrition and Management - 7180

PREREQUISITE: Completed Agriculture Food and Natural Resources

Fee: \$40.00 (See notes below) 1.00 credit

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance. Students enrolled in this class will be eligible for participation on the Varsity Livestock Judging Team.

Supervised Agricultural Experience (SAE) - 7200

PREREQUISITE: All students enrolled in an Agricultural Education class will also be in SAE.

Fee: \$0 .25 credit

This is a required agricultural project conducted on an individual level outside of school time for any student enrolled in Ag classes to get hands-on experience in their chosen area of interest. This project can be an animal enterprise, plant enterprise, job placement or an entrepreneurship. Projects can range in size and type. Some possible projects include: rabbits, chickens, hogs, cattle, dogs breeding, a small garden, sweet corn, soybeans, hay, working at an agribusiness, or running a landscaping business. This course will be graded on the completion of a viable project, completion of record books, documenting their experience as well as their participation in Agricultural Education activities and field trips. Each student enrolled in an Agriculture course will also enroll in SAE. At the successful completion of the project the student will be awarded .25 credits.

Ag Leadership - 7400

PREREQUISITE: Member of the current FFA Officer team

FEE: \$0 .25 credit

FFA Officers will be enrolled in Ag Leadership and will be awarded .25 credits for their participation as an officer in the FFA Chapter.

Ag Ed MVCTC Satellite Tech Prep Program

The Brookville-MVCTC Agricultural Education Satellite Program is a great opportunity for students to become career and college ready.

- Students could earn a potential of 3 semester credit hours from Sinclair Community College.
- Students enrolled in the program are Tech Prep students through the Miami Valley Tech Prep Consortium.
- Students have the opportunity to earn college credits if they pass the college course(s) with a "C" or better.
- Students will also potentially be eligible for a \$3,000 scholarship to Sinclair Community College after successfully completing the following:
 - A minimum of three courses in the Agricultural Education program
 - Still be enrolled in an Agricultural Education course during the student's senior year
 - Earn a 2.25 cumulative GPA at the end of their senior year
 - Complete the Free Application for Federal Student Aid (FAFSA)

Below are descriptions of the potential Sinclair college courses that could be taught in the Agricultural Education program.

- Sinclair Foundations of Business – MAN 1107 3 Credit Hours
- The American business system and basic principles of the free market system. Includes introduction of business concepts, entrepreneurship, management, marketing, economics, accounting and other important business principles.

NOTES

All of the primary Ag courses and elective Ag courses have a \$40 class fee. \$20 of this class fee pays each student's membership dues for the National FFA Organization, Ohio FFA Organization, and District 5 FFA. The remaining \$20 is used to purchase building supplies for student woodworking projects. If a student is enrolled in more than one Agricultural Education class, they will only pay the \$40 class fee once, annually.

Fine Arts

Art I - 8000

PREREQUISITE: None

Fee: \$28.00

1.00 credit

In this course, students will learn how to use the elements of art and principles of design to appreciate, create and evaluate works of art. The course is organized into a series of units-drawing, painting, color theory and ceramics-providing students with the opportunity to work with a wide range of media and ideas. During this course, students will engage in projects that strengthen their creative thinking skills and ability to solve artistic problems. Students in this course will also be exploring the media of visual art as a means of self-expression. Sketchbook required.

Art II - 8020

PREREQUISITE: Pass Art I with a C or higher

Fee: \$28.00

1.00 credit

This course expands upon the concepts, media, and techniques learned in Art I. During this course, students will explore more complex media, ideas and artistic experiences. Media includes, but is not limited to collage, ceramic sculpture, printmaking, plaster casting, paper mache, acrylic paint and pastels. Emphasis is placed on creative expression and the ability to think critically to solve complex artistic problems. Sketchbook required.

Art III - 8030

PREREQUISITE: Pass Art II with a B or higher and instructor's signature

Fee: \$28.00*

1.00 credit

*Additional supplies must be purchased by the student as needed.

Art III is the first step towards the advancement of a student's personal development in Art. It blends the freedom of personal choices of media as in Art IV, with the foundations of such subject areas as silk screening, ceramics, textile and commercial design. It features such areas as portraiture, wheel throwing, and airbrushing. Art III represents a mixing of both the students' expertise in the curriculum, along with the foundations of Art. Sketches and textile and commercial design. It features such areas as portraiture, wheel throwing, and airbrushing. Art III represents a mixing of both the students' expertise in the curriculum, along with the foundations of Art. Sketches and some outside reading are required.

Art IV - 8040

PREREQUISITE: Pass Art III with a B or higher and instructor's signature

Fee: \$28.00*

1.00 credit

*Additional supplies must be purchased by the student as needed.

When a student has successfully completed three credits of Art, it is felt that they are ready to specialize in certain areas of Art as well as follow a regular curriculum. Therefore, any student registering for a fourth year of Art will make arrangements with the instructor to set their own course goals and requirements. Work will then be done on an independent basis with time being split between class and individual projects. Sketches will be required as in Art III. There will be two class critiques per nine weeks with some outside reading required.

Digital Imaging - 8200

PREREQUISITE: Must have access to a digital camera as well as online tutorials which will be required. Instructor signature is required.

Fee: \$15.00*

1.00 credit

*Additional supplies must be purchased by the student as needed.

This course is designed for junior and senior students who have a strong interest in manipulating digital images. The class will cover the basics of photography and will incorporate Adobe Photoshop as the primary source for editing.

Concert Choir - 8500

PREREQUISITE: None

Fee: \$9.00

1.00 credit

Concert Choir is a mixed voice group ensemble that performs a wide variety of music including secular and sacred. Students will be expected to perform several evening concerts throughout the year as well as in-school performances. Performances will include Veteran's Day, Christmas, and a Spring Concert. Non-school

performances and contests may be included. Choir members will develop skills in vocal production, reading music, sight reading music, phonics, diction, posture, and group performance skills. Attendance at all concerts and rehearsals is mandatory. The student's grade will be based upon participation in class as well as concerts and knowledge of the vocal parts. Students will be evaluated by their voices and ability to match pitch and vocal range. Choir members will be expected to wear a standard uniform consisting of white shirt and black pants or skirt.

Shades of Blue - 8510

PREREQUISITE: Audition with director

Fee: \$100.00

1.00 credit

This choir is a select singing and dancing ensemble that meets daily. A singing and dancing audition is required to be part of this ensemble. This ensemble takes field trips during and/or after school hours to perform around the community. The goals of this ensemble are to more fully cover music education, boost student confidence, increase work ethic, and to facilitate school/community involvement in a way that develops strong character in each student for success in their future endeavors. Students selected will be required to sign a contract of commitment for the school year. Students selected will be responsible for purchasing their performance uniform but fundraising will be made possible to help defray the cost.

Band - 8550

PREREQUISITE: Continued involvement in band while in intermediate school or pass an audition with the director.

Fee: \$5*

1.00 Credit

*Marching Band, Winter Percussion, and Winter Guard ensembles will have additional membership fees through the Brookville Band Boosters Association. .

The Brookville High School Instrumental Music Department consists of numerous ensembles that offer performance and travel opportunities for those students who play wind and percussion instruments. The high school band functions primarily as a competition style marching band in the summer/fall and transitions to a concert band in November every school year. In addition, students who are enrolled in this course are expected to participated in the Pep Band for high school basketball games and other community events. The marching band and concert band both compete in regional, state, and national events. Students also have the opportunity for extra-curriculars, including Winter Percussion, Winter Guard, honors bands, solos and ensemble, musicals, and private instruction on an instrument (some of these have additional fees).

The instrumental Music Department exists to provide students opportunities to express and challenge themselves musically. High levels of musicianship and self-discipline are always expected when participating in the performing

arts. Topics such as proper playing techniques, proper tone production, proper instrument maintenance, basic anatomy regarding posture and air-flow, rhythm, pitch, ear training, music theory and vocabulary, teamwork, leadership, and other 21st century skills are all taught within this class. Music to be played ranges from competitive marching band shows, pep tunes, staples of the concert band repertoire and fun popular music. All rehearsals and concerts are mandatory unless otherwise noted. This class is performance-based and grades are always earned and never given. We always strive to be the best that we can be!

Marching Guard - 8650

PREREQUISITE: Audition for the director and color guard advisor.

Fee: \$0*

.25 credit

*Additional fee for Marching Guard will be administered through the Brookville Band Boosters Association.

The Brookville High School Marching Guard is in existence from July to November and functions with the Brookville High School Marching Band. The Guard exists to provide an outlet for visual performance opportunities and artistic expression in the competitive marching band style. Students will learn how to spin a flag, sabre and rifle as well as learn choreography and basics of dancing. An effort is made to always strive to be the best we can be! Membership is open to all students 9-12 who can pass audition requirements. Any prior experience with athletics and ballet dancing will help a prospective student pick this activity up tremendously.

Marching Guard/Band - 8700

PREREQUISITE: Audition for director and color guard advisor.

Fee: \$5*

1.00 credit

*Additional fee for Marching Guard will be administered through the Brookville Band Boosters Association.

This course is designed for students who wish to participate in color guard from July to November and concert band for the rest of the school year.

Marching Guard/Choir - 8703

PREREQUISITE: Audition for director, color guard advisor and choral director.

Fee: \$6.00*

1.00 credit

*Additional fee for Marching Guard will be administered through the Brookville Band Boosters Association.

This course is designed for students who wish to participate in color guard from July to November and choir for the rest of the school year.

Music Theory - 8800

PREREQUISITE: Participation in band and/or choir as

well as the ability to read music. Students who wish to take this course, but have not participated in music, must have instructor signature.

Fee: \$20.00 (includes workbook) 1.00 credit

Music Theory is the study of how music functions and using that knowledge in practice to describe Western Art Music of the Common Practice Era. It is also the study of ear training and how to use it to describe what you're hearing. Topics in this course include rhythm, pitch, harmony, chord progressions, key signatures, scalar and intervallic relationships, form, aesthetics, dictation, and basic composition and notation. This class is designed to enhance music study while participating in band and/or choir. This class is highly recommended for students who plan on pursuing music at the collegiate level. Students should know how to read music in treble and bass clef to be successful in this course.

Music Technology - 8810

PREREQUISITE: None

Fee: \$5.00 .5 credit

Have you ever wondered what is involved with recording an album, editing audio for the radio, or writing the film score for a movie? Music Technology is a course that uses the computer as its main tool to understand the recording, composition, and notation of many musical styles. Topics include basic use of multi-track mixing and sequencing software, the MIDI (Music Instrument Digital Interface) system, and microphone and mixing board use. Students will learn by doing, creating their own music compositions, film soundtracks, and podcasts. Reading assignment, web-based homework, and recording projects will require weekly work outside of class.

Introduction to Modern American Popular Music - 8820

PREREQUISITE: None

Fee: \$5.00 .5 credit

This course is a survey course of a majority of American Popular Music from our country's founding in 1776 to the present day. This course is open to any student who enjoys listening and learning more about music in addition to American history. Social, political and cultural changes throughout American History are used to describe the changing function and taste of popular music overtime. Keep an open mind and this is a class you're sure to enjoy.

NOTES

The courses listed in this section meet the fine arts requirement for graduation

BUSINESS / TECHNOLOGY

Accounting I - 5121

PREREQUISITE: None

Fee: \$25.00 (includes workbook) .5 credit

Accounting is referred to as the language of business. It is highly recommended for all students planning on taking any business related course in college, or secretarial courses at any institution. The complete accounting cycle and proper forms for different types of businesses will be studied. Students taking this course should like working with numbers. It is designed as an introductory course to higher level accounting.

Accounting II - 5131

PREREQUISITE: Pass Accounting I

Fee: \$0 .5 credit

This course is designed for students with one or more of the following objectives:

1. To broaden and improve knowledge about business procedures and accounting records.
2. To attend college and major in business.
3. To work in the field of accounting.

Everything Business – 5160

PREREQUISITE: None

Fee: \$5.00 1.00 credit

This full-credit course will offer students the opportunity to explore different elements of business. Students will gain knowledge of employment laws, gain skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising and product pricing. Students will analyze the sales process and financial management principles.

21st Century Technology - 5300

PREREQUISITE: None

Fee: \$0 .5 credit

Students will learn how to use technology to find reliable information, solve problems, and report findings. Students will be exploring computer applications, gain exposure to web design and computer programming, and introduction to 3-D modeling. Throughout this course, students will also learn how technology impacts society and our lives. This course is required for graduation.

3D Modeling, Coding, & Video Production - 5370

PREREQUISITE: Completion of 21st Century

Fee: \$15.00 1.00 Credit

Students in this course will build upon the content learned in 21st Century Technology and develop skills necessary to begin to have their own impact on the world through the use of technology. This course will cover topics such as:

- 3-D Modeling: utilizing Google SketchUp, Solidworks, Fusion 360, and other applications to create 3-D models.
- Programming: ability to understand, read, and write computer code through the use of HTML, CSS, block based programming, JavaScript and other popular programming languages.
- Animation: exploring video animation as well as computer generated animation.
- Video Production: Developing the understanding of different video techniques through the creation and editing of original work, there will be a strong focus in the use of Adobe Premiere Pro.
- Simulation: developing the virtual environment utilizing the Steam gaming platform.

NOTES

INDUSTRIAL ARTS

Drafting - 6000

PREREQUISITE: Open to Sophomores, Juniors and Seniors who have passed Algebra I.

Fee: \$17.00* 1.00 credit

*Additional supplies must be purchased by the student as needed.

Drafting has been referred to as the language of industry. It is a graphic language in which lines take definite meaning and where symbols become signposts in the understanding of the finished products of industry. Drafting deals with three basic items; size, shape and description. All industrial arts courses depend upon an organized plan for completion of a desired project. Planning is basic in all of the units; therefore, a fundamental knowledge of drafting is required so that students can better plan and design projects constructively and accurately. It is highly recommended that all students planning on taking engineering in college take this course. The course is divided into two distinct sections. The first semester is the building block for the second and deals with developing a basic understanding of industrial drawing and the development of workable techniques. The second semester deals with house drawings and consists of drawing a complete set of house plans. Each student will receive a drawing set which will be included in the lab fee.

Wood Technology I - 6120

PREREQUISITE: None

Fee: \$28.00* 1.00 credit

*Additional supplies must be purchased by the student as needed.

This course is designed for any student, boy or girl with an interest in learning about wood industry and its processes, tools, material, and rapidly changing technology. The course is set up to give the student eighteen weeks of theory, covering the wood industry from conservation, lumbering, mill processes, to the end processing of wood. The end processing encompasses an insight in layouts and design, hand and power tool operation, safety machines and tool maintenance, assembles, and finishes. The in-depth study of woodworking is designed to equip the student with those skills necessary to enjoy a vocational past time and to put to better use the increasing leisure time available in our society. Industrial-type products will be required as a means of achieving the end. The cost of materials used in projects is incurred by the students. The first semester, grades are assigned

according to tests taken by the student. The remaining grading periods, grades will be assigned according to the ability of the student to develop those skills necessary for operating the various tools, machinery, and equipment in a safe and productive manner. Project evaluation will include the students ability and active class participation in progressive learning activities. The student must demonstrate a mastering of all power equipment and maintain a 70% average prior to going into the laboratory.

Wood Technology II - 6140

PREREQUISITE: Successfully pass Wood Tech I

Fee: \$28.00* 1.00 credit

*Additional supplies must be purchased by the student as needed.

This course is designed to further develop the vocational skills learned in Wood Technology I, and prepare the student for home ownership and basic maintenance. Class time will be devoted to advance design, construction, assembly and finishing of furniture. The student will be expected to build approved, functional useful projects.

Advanced Wood Technology

PREREQUISITE: Successfully pass Wood Technology II

Fee: \$28.00* 1.00 credit

*Additional supplies must be purchased by the student as needed.

Students in this course will develop, strengthen, and explore vocational skills learned in Wood Technology II. Independent project opportunities will be afforded through the school year.

NOTES

FAMILY CONSUMER SCIENCES

Nutrition & Wellness and Culinary Fundamentals - 7500

PREREQUISITE: None

Fee: \$44.00

1.00 credit

Formerly Healthy Living and Healthy and Safe Foods, this class will emphasize nutrition and wellness for personal, family and world population. Also, this class will emphasize basic food preparation techniques and explore topics such as breads and dough, fruits, vegetables, dairy, meats, poultry, fish, soups and sauces, pasta, cakes, cookies, pies, and regional/cultural foods.

Human Growth and Child Development - 7600

PREREQUISITE: None

Fee: \$25.50

1.00 credit

Formerly Child Development and Managing Transition, students will discover the needs of infants and young children and how parents and childcare providers can meet those needs for healthy growth and development. This class includes a hands-on experience of planning and conducting a playschool for 3 and 4-year-old children. Also, students will be responsible for their own growth and development. Students will analyze personal assets and plan strategies to make them caring, healthy, confident and responsible people. They will set school, family and life goals. They will develop and implement plans to achieve those goals and reflect on the process.

Career Search I and Career Search II with Mentorship - 7700

PREREQUISITE: None. Open to a limited number of Juniors and Seniors.

Fee: \$10.00

1.00 credit

Students will develop and implement a career blueprint. The blueprint will include educational plans supportive of their personal and career goals. Also, students will work in various community service areas. These will include preschool, elementary school, nursing homes, police stations, fire stations, etc.

Financial Management I & Financial Management II - 7800

PREREQUISITE: Open to Seniors.

Fee: \$4.00

1.00 credit

This course is designed for students to develop attitudes and skills to achieve personal financial wellness. Topics include careers, checking and saving accounts, consumer credit, taxes, stock market, consumer awareness, housing, transportation, investing and insurance. This course fulfills the personal finance requirement (1.00 credit).

NOTES

Opportunities will be provided for students to participate in FCCLA (Family, Career and Community Leaders of America) organization and activities. In addition, WebXams may be given at the end of each semester.

PHYSICAL EDUCATION & HEALTH

Physical Education I - 9020

PREREQUISITE: None

Fee: \$0 .25 credit

This class is for students who are interested in developing skills and techniques in activities that can be played alone or with very few other participants. Many opportunities for an active adulthood will be introduced to the students due to the fact that many of the health clubs and community centers are geared toward individualized activities. Many of the skills taught in this class could be utilized in college intramural programs as well. Principles and benefits of conditioning and learning how to assess one's fitness level and improvement will be spent on aerobic and anaerobic exercise. Examples: Bowling, Golf, Table Tennis, Tennis, exercise in training aerobics, Jump Roping, etc.

Physical Education II - 9030

PREREQUISITE: None

Fee: \$0 .25 credit

Much of our country's workforce is centered on a cooperative, team approach to projects. Although physical education is primarily concerned with physical fitness and skills, its focus is expanding to include activities that promote the social, psychological, and personal development needed to succeed in today's work environment. Instruction in skills and techniques of play along with sport/activity rules and social behaviors involved in each activity are covered in this class. Examples: Basketball, Volleyball, Ultimate, etc.

Health – 9090

PREREQUISITE: None

Fee: \$0 .5 credit

This course is designed to help develop our students into health literate individuals. The course covers topics that are prevalent in today's changing society. The curriculum is designed to cover the concepts of physical, social, and emotional wellness and their relationship to the promotion, maintenance, or restoration of good health. Our course goal is to provide learning experiences that enable the student to acquire the knowledge and skills needed to make quality health decisions, which in turn fosters good individual and community health.

Physical Education Waiver

(Not required)

The Brookville Local School District will recognize two full seasons of interscholastic athletics which also includes participation on the cheerleading squad or marching band as being adequate to apply for a waiver of Physical

Education credit. Credit is NOT awarded, but waived as a graduation requirement. Students earning the P.E. waiver are responsible for earning the total number of credits required to graduate. If you have not participated in one of the allowable activities for the entire season/year by the end of your freshman year, you MUST register for PE during your sophomore year. This waiver is only offered to incoming freshman.

Advanced Physical Education - 9050

PREREQUISITE: Open to Juniors and Seniors who have completed their Physical Education Requirement through the PE Waiver or through completing Physical Education I and Physical Education II

Fee: \$0 .5 credit

Much of our country's workforce is centered on a cooperative, team approach to projects. Although physical education is primarily concerned with physical fitness and skills, its focus is expanding to include activities that promote the social, psychological, and personal development needed to succeed in today's work environment. Instruction in skills and techniques of play along with sport/activity rules and social behaviors involved in each activity are covered in this class. Examples: Basketball, Volleyball, Ultimate, etc.

NOTES

The philosophy of the department is to develop the student not only physically but also mentally, socially, and emotionally. A few of our notable goals are to teach sports skills, history of sport, game rules, and physical fitness concepts and procedures. It is our mission to promote skills in lifetime recreational and fitness activities in hopes of helping students adopt and maintain an active lifestyle as adults. Any student who, because of a physical disability, cannot take physical education is required to file a physician's statement in the high school office. An alternative plan will be developed to ensure completion of a graduation requirement.