

Philip Barbour High School Complex



Course Description Book 2016 – 2017 9th Grade

Table of Contents

Fine Arts	2
Art	2
Dance	2
Music	2
Theatre	3
English/Language Arts	3
World Language	4
Physical Education	5
Mathematics	5
Science	6
Social Sciences	6
Career and Technical Education (CTE)	7
Agriculture, Science, and Natural Resources	7
Business and Marketing	7
Engineering and Technical	8
Health Science Education	9
Human Services	10

FINE ARTS

ART

ART I

321100

One credit. Prerequisite: None.

This course introduces students to art appreciation, art criticism, the history of art, (periods, styles, artists, and cultures), and art production. Art I provides opportunities to use art elements with design principles in creating artwork. A textbook will be used with this course as well as a variety of two-dimensional materials.

2D DRAWING, PAINTING, AND DESIGN I

333100

One credit. Prerequisites: Art I or teacher's approval.

This Studio Art course provides an in-depth study in selected two-dimensional media, techniques, and processes. Class activity is structured around art appreciation, history, aesthetics, criticism, and production. As in all studio situations, this class requires much student control and self-motivation.

DANCE

DANCE I

340100

One credit. Prerequisite: None.

This class focuses on technical skills. In addition, the major principles of choreography and higher level thinking skills necessary to employ dance as an effective means of communication will be a central part of the curriculum.

MUSIC

BAND

361110

One credit. Prerequisite: Teacher Approval.

Students will have the opportunity to participate in various ensembles and play various musical styles. The student will continue to refine playing skills and study various composers, compositions, and styles. He/she learns to play in more keys, use ornamentation, and perform with more precision. The student will study the formal structures and elements of music and learn how these are used by composers. He/she will learn about the historical context of the music performed, especially American music. The student plays music from the West Virginia Bandmasters Association Graded Music List. The students will participate in following ensembles: marching band, concert band, and pep bands.

CHORUS I (BEGINNERS)

362100

One credit. Prerequisite: None.

Students will add to their singing skills by demonstrating proper breathing and dynamics in musical phrases. The students will improvise harmonies and melodies while participating in a four-part, full choral ensemble. They will create a glossary of music terms and refine their criteria for evaluating choral performances. Students will compare choral music with other arts from the same historical period or culture, classify choral works on a music timeline, and identify the varied roles of musicians.

GUITAR

372800

One credit. Prerequisite: Instrument required.

Guitar is a course designed for any student who is interested in becoming proficient on the guitar, or who is a beginner looking to develop a new skill. The course will cover all genres of music, including music theory, and improvisation. Students will read and notate music, listen to, analyze, and describe music; and evaluate music and music performances. All students interested in guitar must provide his or her own instrument.

MUSIC APPRECIATION

367100

One credit. Prerequisite: None.

Music Appreciation at the high school provides opportunities for non-performing students to examine the basic elements of music (melody, harmony/texture, form, rhythm, tempo, dynamics, and timbre) while participating in the musical processes of singing, playing, improvising/creating, listening to and analyzing music of many genres. The student will develop skills in reading and understanding music notation and explore the expressions and organization of musical ideas and a study of music history.

THEATRE

THEATRE I

380100

One credit. Prerequisite: None.

Theatre I provides a basic introduction to theatrical terms, techniques, styles, and history. Students will analyze the texts of plays, identify contemporary and classical styles of theatre/drama, and depict characters in them. Students will identify basic properties of technical theatre, demonstrate technical knowledge and skills, and explore multiple interpretations for production ideas. Students will also research a variety of cultures, historical periods, and non-dramatic art forms which relate to theatre.

ENGLISH/LANGUAGE ARTS

ENGLISH LANGUAGE ARTS 9

400900

One credit. Prerequisite: None.

Reading and English Language Arts ninth grade students will focus on the effective use of written language in educational and occupational endeavors and interpersonal communications. Instructional delivery will be enhanced through a wide range of information media and the interpretation of media communication. Frequent interaction with a broad array of quality literature and informational texts will encourage an appreciation for the power of the written and spoken word. All reading, writing, speaking, listening and media literacy skills and strategies will be utilized across the curriculum. The West Virginia Standards for 21st Century Learning include the following components: 21st Century Content Standards and Objectives and 21st Century Learning Skills and Technology Tools. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content standards and objectives.

YEARBOOK- PRODUCTION AND MANAGEMENT

407100

One credit. Prerequisites: Permission of the instructor/teacher recommendation.

This course emphasizes concepts and principles used in running a business and producing a publication. It will include selling, designing, and producing yearbook ads. The Page Maker computer program will be introduced as well as basic ad design and layout. Students must have access to transportation and be willing to sell ads on his/her own time. Students will further design all yearbook sections by choosing appropriate type styles and sizes, train and manage staff, coordinate staff assignments, and make sure all computer layouts meet style guidelines. Students will be responsible for collecting assignments to proof, edit, and correct according to plant printing specifications. Emphasis will be on design, writing, photography, and computer desktop publishing as students plan and develop layouts and copy suitable for publication.

WORLD LANGUAGE

SPANISH I

566100

One credit. Prerequisite: None.

The level I course in modern foreign languages allows students to comprehend and produce simple, short sentences and ideas using words and phrases learned in the target language. Topics of reading and conversation center on immediate concerns and interests. Students will communicate using both spoken and written forms of the target language to interact with others within the classroom, to understand and interpret what one reads, hears, or views, and to present information. Students will also demonstrate knowledge, understanding and appreciation of other cultures and their perspectives, practices, and contributions. Students will acquire information from and make connections to other disciplines and recognize the distinctive viewpoints that are available only through a language and its culture. Additionally, students will develop insights into the complex nature and interaction of language and culture by comparing native and target languages/cultures. Use of the target language both within the school and beyond will be strongly encouraged. Foreign language classes require dedication to study outside the classroom setting in order to succeed and become proficient.

SPANISH II

566200

One credit. Prerequisite: Spanish I.

The level II course in a modern foreign language class expands the student's knowledge of structure and vocabulary so that they can understand and produce more complex ideas in the target language. Students become increasingly confident in working with authentic materials and learn to identify the products, practices and viewpoints of the target culture and make generalizations. Level II students are more aware of similarities and differences between target and native languages/cultures. They also become more adept at using information and skills common to the target language as they continue to develop and improve skills learned in level I. Students should have achieved mastery of the major concepts learned in level I in order to succeed in a level II course. Foreign language classes at this level require adequate study time outside of class to become proficient since the target language will be used more frequently in a level II class.

FRENCH I

562100

One credit. Prerequisite: none.

The level I course in modern foreign languages allows students to comprehend and produce simple, short sentences and ideas using words and phrases learned in the target language. Topics of reading and conversation center on immediate concerns and interests. Students will communicate using both spoken and written forms of the target language to interact with others within the classroom, to understand and interpret what one reads, hears, or views, and to present information. Students will also demonstrate knowledge, understanding and appreciation of other cultures and their perspectives, practices, and contributions. Students will acquire information from and make connections to other disciplines and recognize the distinctive view points that are available only through a language and its culture. Additionally, students will develop insights into the complex nature and interaction of language and culture by comparing native and target languages/cultures. Use of the target language both within the school and beyond will be strongly encouraged. Foreign language classes require dedication to study outside the classroom setting in order to succeed and become proficient.

PHYSICAL EDUCATION

PHYSICAL EDUCATION

660910

One credit. Prerequisite: None.

The goal of the physical education program of study at the secondary (adolescent) level is to provide students the opportunity to comprehend and experience the benefits of physical activity in their lives. The program consists of a plan of activities that demonstrates these benefits. Developing the major components of fitness (cardiorespiratory, muscular strength, muscular endurance, flexibility, and body composition) assures self-management skills necessary for an active lifestyle.

MATHEMATICS

MATH I-9 LAB

301300

One credit (when taken in the same year as Math 1). Prerequisite: None.

Math 1-9 Lab is a class designed for students who struggle with mathematics. An emphasis on conceptual development and multiple representations will be used to draw generalizations and to serve as a tool for solving real-world problems. Algeblocks may be used to bridge the gap from the concrete to the abstract. Available technology such as calculators, computers, and interactive utilities are to be used as tools to enhance learning. This course does not earn a math credit. Elective credit will be awarded.

MATH I-9

301200

One credit. Prerequisite: None.

The fundamental purpose of Mathematics I is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Mathematics 1 uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, 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.

SCIENCE

EARTH AND SPACE SCIENCE 9

620100

One credit. Prerequisite: None

The ninth grade Earth and Space Science (ESS) course builds upon science concepts from middle school by revealing the complexity of Earth's interacting systems, evaluating and using current data to explain Earth's place in the universe and enabling students to relate Earth Science to many aspect of human society. Disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five ESS content topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability. The objectives strongly reflect the many societally relevant aspects of ESS (resources, hazards, environmental impacts) with an emphasis on using engineering and technology concepts to design solutions to challenges facing human society. Engineering, Technology, and the Application of Science objectives are integrated throughout instruction as students define problems and design solutions related to the course objectives. There is a focus on several scientific practices which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.

ENVIRONMENTAL SCIENCE (Elective)

631200

One credit. Prerequisite: None

Environmental Science is an advanced, high school elective course which builds on foundational knowledge of the chemical, physical, biological, and geological processes and focuses on the natural world. Through an inquiry based program of student, all students will demonstrate environmental literacy as they explore the economic, social, political, and ecological interdependence in urban and rural areas and on local and global scales. As students fuse experiences across disciplines, they will acquire knowledge, values, and skills needed to protect and improve the environment. There is a focus on several crosscutting concepts including the following: Cause and Effect, Systems and System Models, Energy and Matter, and Stability and Change. Science practices and Engineering, Technology, and the Application of Science objectives are integrated as students ask questions and define problems, develop and use models, plan and conduct investigations, analyze and interpret data, and construct explanations and design solutions. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Safety instruction is integrated in all activities, and students will implement safety procedures and practices when manipulating equipment, materials, organisms, and models.

SOCIAL SCIENCES

WORLD HISTORY

701000

One credit. Prerequisite: None.

The ninth grade social studies course engages students in the study of the development and evolution of the historic, economic, geographic, political, and social structure of the cultural regions of the world from the dawn of civilization to 1900. Special attention is given to the formation and evolution of societies into complex political and economic systems. Students are engaged in critical thinking and problem-solving skills, using maps, spreadsheets, charts, graphs, text and other data from a variety of credible sources. Students synthesize the information to predict events and anticipate outcomes as history evolves through the ages.

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE, SCIENCE AND NATURAL RESOURCES

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES

010100

One credit. Prerequisites: None.

This is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Students participating in the *Introduction to Agriculture, Food, and Natural Resources* course will experience hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

FUNDAMENTALS OF AGRICULTURE MECHANICS

011210

One credit. Prerequisite: None

This course introduces the knowledge and skills for applying the physical science principles and principles of operation and maintenance to mechanical equipment, welding and fabrication, structures, plumbing, electrical wiring, power utilization, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

Business and Marketing

ACCOUNTING PRINCIPLES I

140100

One credit. Prerequisite: None

This course is designed to develop student understanding and skills in such areas as the basic principles, concepts, and practices of the accounting cycle. Journalizing, posting, and analyzing of financial statements as well as banking and payroll procedures are included. The importance of ethics and confidentiality, as well as, an introduction to careers and types of business ownership are incorporated. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

BUSINESS AND MARKETING ESSENTIALS

143900

One credit. Prerequisite: None

This course is designed to develop student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

BUSINESS COMPUTER APPLICATIONS I (BCA I)

141100

One credit. Prerequisite: None.

This course is designed to develop student understanding and skills in such areas as applying integrated software to business applications, word processing, spreadsheets, presentations, database applications, Internet, and/or personal information programs. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

ENGINEERING AND TECHNICAL

CONSTRUCTION SYSTEMS

242410

One credit. Prerequisite: None.

This course provides opportunities for students to study and apply technological systems, concepts, and processes as they relate to construction technology. Group and individual activities engage students in creating ideas, developing innovations, and implementing design solutions as they relate to construction systems. Students will utilize problem-solving techniques and manipulative skills while completing laboratory activities to develop an understanding of course concepts. Topics range from how construction meets the needs of society to basic construction techniques. Safety instruction is integrated into all activities. Students are encouraged to become active members of the Technology Student Association (TSA), which is an integral component of the program and provides curricular opportunities that enhance student achievement. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

INTRODUCTION TO ENGINEERING DESIGN (PLTW)

246100

One credit. Prerequisite: Must have at least a "C" average in math and science courses.

Introduction to Engineering Design is a component of the Project Lead the Way (PLTW) pre-engineering curriculum. This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, WV SkillsUSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

HEALTH SCIENCE EDUCATION

FOUNDATIONS OF HEALTH SCIENCE

071100

One credit. Prerequisite: None.

This course is designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and healthcare delivery systems. It is designed to provide the student with knowledge and technical skills required for infection control and the prevention of disease transmission, CPR and First Aid. Students will be provided with the opportunity to acquire certification in these areas. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content standards and objectives.

MEDICAL TERMINOLOGY

072100

One credit. Prerequisites: Minimum 2.5 GPA.

Through the study of medical terminology, the student will be introduced to the language of medicine. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the human body. Utilizing a systems approach, the student will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, oncology, and pharmacology. In addition to medical terms, common abbreviations applicable to each system will be interpreted. Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers will provide each student with real world learning opportunities and instruction related to the study of medical terminology. Students are encouraged to become members of Health Occupations Students of America (HOSA), the Career and Technical Student Organization (CTSO) for health science technology education students.

HUMAN SERVICES

PARENTING AND STRONG FAMILIES

090300

One credit. Prerequisite: None.

This course is designed to help students evaluate readiness for parenting while examining appropriate Parenting and Strong Families practices. Students will develop an awareness of societal issues affecting families and explore support systems. Students will use reasoning processes, individually and collaboratively, to take responsible action in families, workplaces, and communities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization FCCLA. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

RESTAURANT AND CULINARY FOUNDATION

101310

One credit. Prerequisite: None.

This course focuses on the basic preparation and service of safe food, basic introduction to industry safety standards, basic introduction to restaurant equipment, kitchen essentials in knife skills, stocks and sauces, and communication concepts in the restaurant industry. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, Skills USA or FCCLA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.