

9th Grade Worksheet Course Descriptions

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Global Community Citizenship 0.5 cr. (Required 9th grade course meets graduation requirement)

Global Community Citizenship is an introductory Signature course designed to explore the values and diversity of our local, national, and global communities. Through Project-Based Learning, students will identify and discuss issues, events, and essential questions relevant to the community which will allow them to understand their role in demonstrating civic virtues. Students will consider the cultural and technological influences that have shaped our modern society and consider how these impact the students' social options in the future. Students will begin with self-exploration to understand what events, traditions, and circumstances have shaped their views, behaviors, and goals followed by them exploring the cultures, religions, and traditions of people in our community. Strategies integral to this course include the ability to discuss and debate mature topics and themes respectfully, a level of comfort with a variety of non-print mediums, working collaboratively in groups and participating in multi-disciplinary projectbased learning. This course is a graduation requirement for all students.

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YEAR-LONG INTEREST AREAS:

Fine Arts (FA) (each course meets part of the 1.0 credit fine arts requirement for graduation)

Foundations of Studio Art 0.5 cr. This course provides the foundation for the visual arts high school program of study. Students will experience a variety of media and processes while exploring two- and three-dimensional art problems in drawing, painting, printmaking, sculpture, and mixed media. Critical and creative thinking skills will be integrated into all studio experiences.

Photo & Digital Processes 1 0.5 cr. Photography and Digital Processes 1 is the introductory class for the study of photographic processes. Use of the digital camera/device and/ or analog camera and the manipulation of student generated images on the computer will serve as a basis for exploring various media. The class is structured around creating photographic or digital imaging emphasizing visual arts principles. It will introduce the student to the principles of contemporary media as a verbal and visual means of communication in today's society. Students will be challenged to solve art problems by studying the work of master photographers and digital artists. A sketchbook/journal will serve as a resource for technical information, processes, idea generation, and written commentary.

Prerequisite(s): Foundations of Studio Art

Studio 1: 2D Art 0.5 cr. This course is the introductory course to two-dimensional art processes: drawing, painting, printmaking, crafts, and mixed media. Students will be challenged to develop a personal style by creating expressive works of art based on a variety of artists, art movements, and techniques. A process portfolio and sketchbooks/journals will reflect personal aesthetic choices in the development of a body of work. Prerequisite(s): Foundations of Studio Art

Studio 1: 3D Art 0.5 cr. This course is the introductory course to three-dimensional art processes: ceramics, sculpture, crafts, and mixed media. Through experimentation, observation and teacher direction, the student will be challenged to develop a personal style by creating expressive works of art

based on a variety of artists, art movements and techniques. A process portfolio and sketchbooks/journals will reflect personal aesthetic choices in the development of a body of work.
Prerequisite(s): Foundations of Studio Art

Band 1 1.0 cr. This course provides an opportunity for students who have reached the necessary degree of maturity in playing a wind or percussion instrument to perform in a group and as a soloist. Development of comprehensive musicianship will be emphasized through a wide repertoire of original band literature, transcriptions, and arrangements. The course title indicates the year enrolled. Students will be expected to advance to the next appropriate level of ability in Performance Competencies for Instrumental Music. After school activities and rehearsals are integral to the course, and grades may reflect such participation. The number of required non-school hour performances and practices during a school year varies by school.

Chorus Mixed 1 1.0 cr. This course will include individual concepts of vocal production as well as choral techniques appropriate for a large ensemble. A wide repertoire of choral music and experiences will be used for the development of comprehensive musicianship. The course designation indicates year enrolled. Students will be expected to advance to the next appropriate level of ability in Chorus and Vocal Instruction. After school activities and rehearsals are integral to the course, and grades may reflect such participation. The number of required non-school hour performances and practices during a school year varies by school.

Instrumental Instruction: Percussion 1–4 1.0 cr. Small group instruction is provided for students desiring to acquire skill in playing percussion instruments. Good tone production, instrumental techniques, sight-reading, and basic fundamentals of music are emphasized. After school activities and rehearsals are integral to the course, and grades may reflect such participation. The number of required non-school hour performances and practices during a school year varies by school.

Orchestra 1 1.0 cr. This course provides an opportunity for students who have reached the necessary degree of maturity in playing an orchestral, string, wind, or percussion instrument to perform in a group. Development of comprehensive musicianship will be emphasized through a wide repertoire of original string and orchestra literature, transcriptions, and arrangements. The course title indicates the year enrolled. Students will be expected to advance to the next appropriate level of ability in Performance Competencies for Instrumental Music: Strings. After school activities and rehearsals are integral to the course, and grades may reflect such participation. The number of required non-school hour performances and practices during a school year varies by school.

Honors Dance Company 1–4 1.0 cr. Dance Company classes are performance emphasis and goal-based with students involved in research, choreography, and every aspect of dance production. Technical proficiency, academic knowledge, portfolio building, continued improvement and growth in dance, and public dance performances are expected. For students to receive honors credit, they must participate in the after-school co-curricular component of this course. Prerequisite(s): Audition

Physical Education (PE) (each course meets part of the 1.0 credit PE requirement for graduation)

Fitness for Life 0.5 cr. (required PE class) Students beginning their high school Physical Education experience will be introduced to the components of fitness and shown the relationship of physical fitness to total well-being. Fitness components are embedded throughout all instruction along with

activities which align to each of the Physical Education content standards. Students are challenged to improve their own personal fitness levels through purposeful learning activities. Students will be afforded the opportunity to participate in a variety of activities which can be pursued during high school and throughout their lifetime.

Foundations of Dance for Athletes 0.5 cr. Foundations of Dance for Athletes focuses on enhancing and refining athletic performance through dance techniques, conditioning, and training in the art of dance. Students will build knowledge of the five components of skill related physical fitness (agility, coordination, balance, power, and speed), while also exploring the complimentary Elements of Dance (body, energy, space, and time) through creative expression and performance.

Foundations of Dance 0.5 cr. Foundations of Dance focuses on beginning levels of dance technique for a variety of dance styles alignment, dance history, physiology, theory, dancer health, dance careers, choreography, production, performance, and aesthetic criticism.

Foundations of Strength & Conditioning 0.5 cr. Students are engaged in an individualized program designed to incorporate physical fitness components and improve physical condition. Weight room procedures and safety precautions are stressed in this beginning level course. Students will focus on technique rather than the amount of weight lifted.

Foundations of Team Sports 0.5 cr. Students will learn rules, terms, historical background, and basic skills for a variety of sports. This course incorporates the sports education model, allowing the students to explore leadership, communication, and teamwork opportunities. The student will be able to understand team strategy in a competitive situation.

Foundations of Team Sports Volleyball 0.5 cr. Students will learn rules, terms, historical background, and basic skills of volleyball. The student will be able to understand team strategy in a competitive situation.

Foundations of Team Sports Baseball 0.5 cr. Students will learn rules, terms, historical background, and basic skills of baseball. The student will be able to understand team strategy in a competitive situation.

Foundations of Team Sports Lacrosse 0.5 cr. Students will learn rules, terms, historical background, and basic skills of lacrosse. The student will be able to understand team strategy in a competitive situation.

Foundations of Team Sports Basketball 0.5 cr. Students will learn rules, terms, historical background, and basic skills of basketball. The student will be able to understand team strategy in a competitive situation.

Foundations of Team Sports Soccer 0.5 cr. Students will learn rules, terms, historical background, and basic skills of soccer. The student will be able to understand team strategy in a competitive situation.

Foundations of Team Sports Football 0.5 cr. Students will learn rules, terms, historical background, and basic skills of football. The student will be able to understand team strategy in a competitive situation.

Foundations of Walking Wellness 0.5 cr. This course is an introduction to the lifetime wellness activity of walking. Students are provided with an understanding of the importance that nutrition and exercise have on the pursuit of healthy living, Various walking activities are embedded throughout the course which engage the learner and increase participation.

Foundations of Computer Science 1.0 cr. (course meets the 1.0 credit TECH requirement for graduation)

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, this course is designed to focus on the conceptual ideas of computing and help students understand how certain tools or languages are utilized to solve particular problems. This course covers a broad range of topics in computing such as software & app development, data theory & analysis, cryptography, computer hardware, web development and the global impacts of computing. Can be used for Basic Technology if not used for Computer and Information Sciences Completer.

AP Computer Science: Principles 1.0 cr. (course meets the 1.0 credit TECH requirement for graduation)

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. This course introduces students to a wide range of computational topics in 7 categories: Algorithms, Abstraction, Data & Information, Programming, Global Impact of Digital Technology, Creativity, & The Internet. AP Computer Science Principles will give students the opportunity to use current technologies to solve problems and create meaningful computational artifacts. Together, these aspects of the course make up a rigorous yet manageable curriculum that aims to broaden participation in computer science. This course is intended to prepare students for the AP Computer Science Principles Exam. **Prerequisite(s): *Algebra 1 is recommended***

Can be used for Basic Technology if not used for Computer and Information Sciences Completer

Child Growth and Development (Birth through Adolescence) 1.0 cr. This course focuses on child development birth through adolescence with the emphasis on preschool development. Emphasis on theories of development, the role of caregivers, family, health, safety, and contemporary issues. Students will explore special challenges to growth and development and will have opportunities for guided observation of children in a variety of settings. Students will begin to compile artifacts and written competency statements that are aligned with the required Child Development Associate (CDA) portfolio guidelines for preschool care. Explore career pathways in Early Childhood Education and Child Care.

Principles of Business Management & Entrepreneurship 1.0 cr. This course provides a foundational understanding of the role of business in a global society. Students will learn to analyze the functions of business, forms of business ownership, management concepts, marketing, production and distribution, and accounting and finance. Students will explore entrepreneurial concepts to generate business ideas as well as the ability to plan and manage projects in order to achieve objectives. Students will learn Microsoft Office skills to generate business communications and forms. This course includes development of communication skills necessary for success in the workplace and college.

Honors Navy Junior ROTC 1 1.0 cr. Naval Science 1 is the first of the Naval Science program. The NJROTC program emphasizes each person's responsibilities in democratic society. The program includes classroom instruction, physical fitness, and military drill, wearing the correct uniform, practicing military customs and courtesies, and basic leadership training. Students will be introduced to leadership theories on ethics and values. Instructional topics also include 70 | Programs of Choice | JROTC | Army JROTC

naval ships and aircraft, citizenship, and U.S. government and other forms of government, wellness, and fitness, geography and survival skills. The program is designed to motivate students to use the skills learned in NJROTC to be successful in high school, in advanced education and in other education and training. Students must meet grooming and discipline standards.

AVID 9 1.0 cr. The AVID elective provides a strong, relevant writing and reading curriculum, study skills, assistance with organization and time management, college research, and tutoring. Students will develop their organizational skills using the AVID Binder, participate in rigorous tutorials aimed at improving inquiry and collaboration techniques, and improve their knowledge of subject matter in all academic classes using the focused note-taking process. AVID 9 serves as a transition from middle school to high school where students will continue their focus on acceptance into a four-year college or university of their choice. Students in AVID 9 are expected to prepare for a rigorous high school schedule that includes challenging honors and AP courses.

SEMESTER INTEREST:

Fine Arts (FA) (each course meets part of the 1.0 credit fine arts requirement for graduation)

Foundations of Studio Art (see above)

Guitar 1 0.5 cr. This is a performance emphasis course with acoustic guitar as the primary medium. Comprehensive activities in reading, creating, and listening to music are included. Students will perform a variety of music literature and styles in ensemble and solo performance. The course title indicates year enrolled. Students will be expected to advance to the next appropriate level of ability in Guitar 2–4.

Honors Music Theory 0.5 cr. This course is designed to familiarize the student with the building blocks of music. Rhythm, melody, harmony, form, and analysis are the key components of this course. Students will use standard music notation to read, write, and understand the structure of music. Sight singing, eartraining, and creating through composing and arranging are important components of this course.

Music Technology 0.5 cr. This course will provide students with an introduction to basic music technology applications. Students will be introduced to the creative use of music technology and the fundamentals of music using synthesizers, computers, Musical Instrumental Digital Interface (MIDI) keyboards, sequencers, and appropriate software. The course will be taught within a hands-on framework and will allow students to create their own compositions. Students will also develop skills with sequencing, recording, and notating music.

Piano & Keyboard 1 0.5 cr. This is a performance emphasis course that includes additional comprehensive activities in reading, creating, and listening to music as well as developing an understanding of history, vocabulary, structure, and symbols. Students will play a wide repertoire of keyboard music literature alone and in ensembles. Opportunities for public solo or group performance will be available. The course title indicates year enrolled. Students will be expected to advance to the next appropriate level of ability in Piano and Keyboards 2–4.

Theatre Arts 1 0.5 cr. This course is a one or two semester elective introduction to theatre as a collaboration among actors, directors, producers, and technicians. It focuses on the process of theatrical production both on and backstage. Students develop body movement, voice, and character; direction; set, costume, and basic light and sound design; and other theatrical skills and knowledge. By applying

creative dramatics, using multi-media, performing, and creating a design portfolio, students demonstrate and extend their theatrical skills. This course meets the fine arts graduation requirement.

PHYS ED (PE) (meets ½ of the 1.0 credit PE requirement for graduation)

Fitness for Life 0.5 cr. (required PE class) - see above

HEALTH (H) (Health A meets ½ of the 1.0 credit Health requirement for graduation)

Health A 0.5 cr. This course is designed for students to learn and demonstrate health skills necessary to promote personal, family and community health and wellness. These health skills include analyzing influences on health behaviors, accessing valid information, interpersonal communication, decision making, goal setting, and practicing health enhancing behaviors. Through these health skills, students acquire functional knowledge about the following core health concepts: substance abuse prevention, personal and consumer health, family life and human sexuality, safety and violence prevention, healthy eating, and disease prevention and control.

TECHNOLOGY EDUCATION (TECH)

Engineering Design Concepts 0.5 cr.

Learn how professionals in engineering fields use a project-based approach to solve engineering challenges. We will discover, practice, and refine the use of all the steps in the Engineering Design Process. Students will design prototypes of devices, engage in hands-on exploratory labs that explore various manufacturing processes such as rapid prototyping. Students will gain confidence by solving problems in team structured environments.

Practical Programming 0.5 cr.

Build and test working models of real-world robotic challenges with 'drag and drop' programming software.

Energy/Power/Transportation 0.5 cr.

This course develops a depth of understanding about a wide array of energy sources and controls by engaging students in hands-on, project-based activities in mechanical power, fluid power, and electrical power. Students will construct and test a variety of transportation systems, participate in reverse engineering activities, and developing skill working with the tools, equipment, and measurement devices used by engineers and technologists.

Technological Design 1 0.5 cr.

Students experience exciting activities in the areas of entertainment, recreation and information technologies. Students work in engineering teams to apply technology, science, and mathematics concepts and skills to solve design problems and create innovative solutions. Students will use criteria such as design effectiveness, public safety, and ethics to evaluate their designs.

Technological Design 2 0.5 cr.

This course provides the student with the opportunity to use the engineering design process to solve complex issues in the areas of medical and biotechnology fields. Working in teams, students will identify

the problem, engineer a solution and report findings. The activities allow students to choose their place on an engineering team and contribute their talents to accomplish the ultimate goal. Prerequisite: *Technological Design 1*

Manufac & Constr Tech 0.5 cr.

This course focuses on hands-on, problem-based activities to introduce manufacturing and construction concepts related to the Standards for Technological Literacy. During each Learning Unit, students are asked to use a four-phase learning cycle to develop plausible solutions to related Primary Challenges. Designing a Custom Family Home for a Client is one example of a Primary Challenge experienced in this course.

CAT-South - [see link to website](#)

Environmental Literacy Exploration 1B 0.5 cr. Through the Environmental Literacy Explorations course, students survey environmental issues related to sustainability and the connectedness of environmental awareness to personal and career opportunities. Using project-based learning, students will investigate topics such as biodiversity, environmental economics, pollution/restoration, and advocacy. Available at Broadneck High School only.

ELECTIVES (0.5 cr.)

Creative Writing 0.5 cr. Creative Writing offers students the opportunity to develop and improve their technique and individual writing style in poetry, short story, drama, essays, and other forms of prose. Students study exemplary writing from various genres to obtain a fuller appreciation of the form and craft. Using reading and journal keeping as sources of ideas, students pursue individual interests and develop their creative writing skills.

Honors Nutrition—A 0.5 cr. Students will study the science of nutrition as it relates to individual food choices that maximize healthy behaviors, and public health. Topics include the six major nutrient components of food along with wellness, obesity, eating disorders, sports nutrition, and prevention of chronic diseases. Issues facing society will include food safety, technology, use of supplements and botanicals. Practical lessons will involve lab work. Students who successfully complete Honors Nutrition A & B and pass the final exam with at least a C may earn articulated credit in the Dietetics Program while enrolled at the University of Maryland Eastern Shore.

Introduction to Microsoft® Office 0.5 cr. Students will explore the concepts of word processing, databases, spreadsheets, introductory presentations and the common features of all applications. The course provides students with the basic skills needed to format academic papers and presentations. The information and skills that students learn in this introductory course prepares them for their future studies in Microsoft® Office Applications (doc/ppt) and Microsoft® Office Applications (xls/dbf).

Journalism 0.5 cr. Students explore the role of journalists in a free society in terms of journalistic philosophy, ethics, law, and history. They participate and reflect upon all the components of journalism such as design and opinion. This journalism course is the foundation course for Newspaper 1 and Ye

Media Production 1 0.5 cr. Media Production 1 surveys the field of television and introduces students to basic studio operations. Students participate in both the business and creative sides of television production: soliciting projects and funding, acting, directing, producing, and applying audio and video techniques.

Speech & Debate 1–2 0.5 cr. Students perform informative and persuasive speaking, practice extemporaneous and oral interpretation skills, collect evidence from authoritative sources, and analyze arguments and strategies as preparation for interscholastic competition culminating in debate. Students develop leadership skills and initiative in competitive speaking. The Speech and Debate course provides a strong foundation for careers in public relations, law, politics, or communications. Students who elect to take the course for a second semester enhance and deepen their skills in expressive and persuasive speaking.