

# NHS Course Selection for 2019-2020 School Year

## Elective Offerings for Future Sophomores

### ❖ **Accounting** – 5 Credits (*offered at Honors or CP level*)

Students will have the opportunity to learn the complete accounting cycle; learn the accounting subsystems of cash receipts, cash payments, purchases, sales, personal and payroll taxes and general accounting; and learn to prepare financial reports. The course integrates manual and automated accounting through the use of the computer system and automated software.

### ❖ **Intro to Technology** – 5 Credits (*offered at CP and Standard level*)

This is a full year survey course that introduces students to topics related to technology and engineering: design process, drafting, CAD, construction and manufacturing technologies, as well as electricity and alternate energy technologies. State content standards in technology and engineering will be reinforced in a project based classroom/lab that emphasizes student preparation for future technology/engineering courses: CAD, Wood Technology / Manufacturing, Energy Systems, or Engineering/Robotics. There will be additional academic expectations for college prep courses.

### ❖ **Engineering** – 5 Credits (*offered at Honors or CP level*)

This full-year course will combine technology, engineering, and mathematics standards into an engineering capstone project very similar to the Mars Pathfinder Rover Project. In completing this capstone project, students will study and apply concepts in a number of disciplines: science, technology, engineering, and mathematics. Science topics include motion, gravity, speed of light, and electrical and mechanical energy. Technology and engineering topics covered are the design process, design implementation, operation systems, invention, innovation, control systems, basic and advanced electronics; and principles of machining. Mathematics topics that are introduced and reinforced include percentages, ratios; problem solving, and geometric relationships. The course focus is that of real-life applications for science, technology, engineering, and math. Smaller student projects during the course may include a catapult, and robotic arm. There will be significantly higher academic expectations of students in honors level courses.

### ❖ **Computer Aided Drawing (CAD)** – 5 Credits (*offered at CP level*)

This is a yearlong course designed to acquaint students with the basic skills, and computer aided drawing (CAD) procedures used by all industries in communicating manufacturing information. The primary focus will be on two dimensional multi-view drawing using computers, and traditional drawing tools—including geometric constructions, interior details, dimensioning, auxiliary views, and model rendering (pictorial drawing). This CAD course is intended for students with engineering, architectural or other technical college/profession ambitions. The course will also provide an excellent background for any other Science or Technology Education elective.

*Prerequisite: Intro to Technology or teacher approval*

### ❖ **Foundations of Art Making** – 5 Credits (*offered at Honors or CP level*)

This course introduces students to the fundamentals of art making and design. This course is designed to meet the needs of students of all ability and experience levels. Students will spend an entire quarter studying the following disciplines: drawing, painting, digital 2D design (computer graphics), and 3D design (sculpture). The Elements of Art and the Principles of Design will be studied in depth. This course is required to take any second level Drawing and Painting, 2D Digital Design or 3D Design courses.

### ❖ **Greek Mythology** – 5 Credits (*Offered at Honors or CP level*)

This course will introduce students to the major myths of Greek antiquity, including the works of Hesiod (origin of the gods) and Homer (the Trojan War and Odysseus), stories of heroes (Hercules, Jason, Perseus, Theseus), the “nasty women” (the Gorgons, the Fates, the Furies, the Sirens), the “nice women” (the Muses, the Graces), the lovers (Orpheus and Eurydice, Cupid and Psyche), the haters (Apollo and Daphne, Echo and Narcissus) and monsters and beasts (the children of Echidna *et alt.*).

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### ❖ **The History of Rock & Roll** – 5 Credits *(offered at the CP level)*

An elective course designed for students interested in learning about the development of popular American music. Students will listen to and analyze examples of music, starting with the folk music tradition and tracing it's evolution through classic rock and up to today's "top 40". Current or previous study of an instrument or voice is not necessary.

### ❖ **Men's or Women's Concert Choir** – 5 Credits *(offered at the Honors or CP level)*

The Men's Choir is an intermediate level male (TTB) vocal ensemble that performs a wide variety of choral repertoire. The Women's Concert Choir is an intermediate level treble (SSA) vocal ensemble that performs a wide variety of choral repertoire. Personal musicianship skills developed through participation in this ensemble include beginning to intermediate singing techniques, music literacy, music theory, ear training, and performance experience. With the approval of the choral director, students may elect to take this class for honors credit. Students who elect to take this class for honors credit will be required to take private voice lessons and perform in a minimum of one class recital.

### ❖ **Concert Band** – 5 Credits *(offered at the Honors or CP level)*

The Concert Band is an intermediate level instrumental ensemble that performs a wide variety of concert repertoire. Personal musicianship skills developed through participation in this ensemble include beginning to intermediate level playing techniques, music literacy, music theory, ear training, and performance experience. This class will require participation in rehearsals and performances both during and after school. In addition, a student's attitude and behavior must meet the standards set by the Band Director and Director of Fine Arts. With the approval of the band director, students may elect to take this class for honors credit. Students who elect to take this class for honors credit will be required to take private instrumental lessons and perform in a minimum of one class recital.

### ❖ **Intro to Theatre Performance/Drama I** – 5 Credits *(offered at the CP level)*

This introductory acting course is designed for students interested in learning how to act and perform in theater, television and film. Students will develop acting skills through improvisation, scene work, theater games and exercises, and group play building. Students will be required to memorize and perform monologues and scenes. Students will also learn the essential mechanics of script development through improvisational material, group writing, and analysis of proven works. This class will require participation in rehearsals and performances both during and after school.

### ❖ **Intro to Telecommunications/TV 1** – 5 Credits – **STUDENTS MUST APPLY FOR THIS ELECTIVE!**

This class will study the history of and future implications of television and video in industry, education, entertainment and other forms of media communication. Students will be given the opportunity to learn about television production, news production, and techniques for successful writing and production. Students will be eligible to audition and participate in front of the camera and behind the scenes of the school newscast. Student projects may include public service announcements, news packages, commercials, news opens, and music videos. Students will be trained on switching, special effects, graphics, studio and remote cameras, and digital editing. After school time will be needed to complete many projects. This course is a requirement for any future coursework in TV. *(Offered at the CP level)*

### ❖ **Intro to Guitar** – 3 Credit Elective Minor *(offered at the CP level)*

Students will learn to play guitar and experience a wide variety of musical styles, such as folk, rock, blues, jazz, and country. Personal musicianship skills developed will include right and left hand playing techniques, ear training, improvisation, music literacy, and basic music theory. **\*Students need not own their own guitars. Instruments will be made available through the music department.\***