



# MIDDLE TOWNSHIP HIGH SCHOOL

## DIVERSITY IS OUR STRENGTH

### MTHS Elective Offerings & Course Details

2026-2027

#### **PUBLIC SPEAKING**

##### **5 credits, semester course, Grades 10-12**

Study of elements of rhetoric and speech composition as applied to informative speaking; also instruction and practice in the basic techniques of extemporaneous delivery. Dual Credit course through ACCC.

#### **JOURNALISM**

##### **5 credits, Grades 9-12**

Publishing is a dynamic class meant to explore different aspects of modern publishing, from newspapers, vlogs, social media, yearbooks, and beyond while strengthening students' writing skills. Students will focus on exploring and expanding on the world around them in various written formats.

#### **HORTICULTURE**

##### **5 credits, Grades 9-12**

Horticulture is the process of using the knowledge of how plants grow to produce crops for food and landscape uses. Class time is spent discussing basic botany to understand the parts of flowering plants along with explanations of how to properly use fertilizers and different pest control options. Activities in the greenhouse include watering, feeding, pruning, and propagating plants. Along the way, the class will raise a crop of poinsettias for the winter holidays and a variety of annuals for sale in the spring. Students are involved with all aspects of plant growth from start to finish. Other topics covered include planning, planting, and maintenance of a vegetable garden, maintaining and harvesting fruit trees, maintaining beehives and harvesting honey, and the operation of an aquaponics lab.

#### **ANATOMY AND PHYSIOLOGY**

##### **5 credits, Grades 11-12**

**Prerequisites: Chemistry and Biology**

This course will include a yearlong program of intense human anatomy and physiology studies. The areas covered will include medical terminology, basic chemistry, cell and tissue structure, and the 11 systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary and reproductive).

## **ASTRONOMY**

### **5 credits, semester course, Grades 10-12**

This course introduces students to the composition and structure of the universe. Students will study the universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, and stars.

## **MARINE BIOLOGY**

### **5 credits, semester course, Grades 10-12**

In this course, students will study the relationship between biological organisms and their environment along with the physical properties of the ocean. Such properties to be studied included plate tectonics, the formation of the ocean floor, tides and lunar phase, interpretation of the tide table, tsunamis, the processes that generate currents and waves, the history of oceanography, marine organisms (land, sea, and air), marine habitats, and humans' influence on the environment.

## **PRINCIPLES OF HEALTHCARE**

### **5 credits, Grades 9-12**

Principles of Healthcare is a national student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE. Principles of Healthcare's two-fold mission is to promote career opportunities in the healthcare industry and to enhance the delivery of quality health care to all people. Principles of healthcare's goal is to encourage all health science instructors and students to join and be actively involved in the HSE-HOSA Partnership.

Prior or concurrent enrollment in Biology is suggested.

## **FORENSICS**

### **5 credits, Grades 10-12**

Forensic science is the application of science to the law and encompasses various scientific disciplines. This course will introduce various methodologies and applications used in the

forensic context. Topics discussed include organic and inorganic chemical analyses of physical evidence, principles of serology and DNA analysis, identification of fresh and decomposed human remains, ballistics, fingerprint analysis, facial reconstruction, drug analysis, and forensic entomology.

### **MEDICAL TERMINOLOGY**

**5 credits, Grades 10-12**

**Prerequisite: Biology**

Study of English meanings of common basic words and phrases used in the medical field.

Includes spelling, prefixes, suffixes, word roots, derivations and usage, and the meanings of common words and phrases. Supplemental topics: pathological conditions, diagnostic procedures, documentation, life span considerations, pathogenesis, and nutrition.

### **AFRICAN AMERICAN HISTORY**

**5 credits, semester course, Grades 11-12**

African American History is an elective, half-year course, usually studied by juniors and seniors. Assignments and class activities will be adapted to individual student levels of ability and learning. The adaptation will be to cover the spectrum of students who may choose to take the class. It examines the impact of black Americans on American History. The course provides insights into the roots of prejudice and discrimination while also highlighting the contributions of Black Americans to our progress as a nation.

### **HOLOCAUST AND GENOCIDE STUDIES**

**5 credits, semester course, Grades 11-12**

This course will concentrate on the causes, events, and effects of the Holocaust (1932-1945). Jewish culture, anti-Semitism, the Nazi rise to power will be areas included in background study within the course. The course will include readings, discussions, class activities, films and projects. Assignments and class activities will be adapted to individual student levels of ability and learning. The adaptation will be to cover the spectrum of students which may choose to take the class.

### **INTRODUCTION TO CRIMINAL JUSTICE**

**5 credits, Grades 9-12**

This elective course explores criminal justice in the United States. It will provide students with an understanding of the American criminal justice system and its major components, including the police, the courts, juries, and corrections. Students will learn about crime, its causes, and its consequences. Other areas of criminal justice that will be examined include the different types

of law, possible defenses to criminal charges, and alternatives to incarceration. Students will also have the opportunity to work with local law enforcement and learn more about what is needed to pursue a career in the field.

## **CYBERSECURITY**

### **5 credits, Grades 10-12**

In this hands-on course, students will learn how to protect computer networks and personal data from cyber threats. Students will practice identifying security risks, defending against hackers, and using current security tools through real-world examples and projects. This course prepares students for careers in cybersecurity while teaching them about online safety, ethical behavior, and the laws that protect digital information.

## **AVIATION**

### **5 credits, Grades 10-12**

Students will be introduced to the principles of flight, aircraft systems, weather, navigation, radio communications, and FAA regulations. This course provides the foundation for advanced exploration in the areas of flying and unmanned aircraft systems. Students will learn about engineering practices, problem solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will learn about the wide variety of exciting and rewarding careers available to them. The course will inspire students to consider aviation and aerospace careers while laying the foundation for continued study in high school and beyond.

## **LAW**

### **5 credits, semester course, Grades 11-12**

Law is an elective half-year course, usually studied by juniors and seniors. This course surveys the development and operation of the American legal system. In this course, the student will focus upon the laws and decisions focusing on both Constitutional Laws and Civil Rights, the Constitution and Supreme Court system.

## **SOCIOLOGY**

### **5 credits, semester course, Grades 10-12**

Sociology is an elective, half-year course usually studied by juniors and seniors. It is designed to introduce students to the study of human relationships. The scientific method of research is taught and tested using a group-prepared survey technique. Social institutions, cultural phenomena and contemporary social problems are emphasized. This course is designed as an introduction to sociology and would most appeal to the college-bound student.

**BEHAVIORAL SCIENCE****5 credits, semester course, Grades 11-12**

History of Behavioral Science is an elective, half-year course offered to juniors and seniors. The course traces the development of various theories from the following areas: Intelligence and Thinking, Memory, Development, Abnormal Behavior and Personality. This course provides students with a basic understanding of psychology and is often taken as a prerequisite to AP Psychology.

**ART FOUNDATION I****5 credits, Grades 9-12**

This is an entry level course for the High School Visual Arts Curriculum. It is designed to provide an overview of Visual Arts while studying a broad variety of art tools and materials. With an emphasis on studio production, this course is designed to develop higher level thinking, art related technology skills, art history, and aesthetics.

**ART FOUNDATION II****5 credits, Grades 10-12****Prerequisite: Successful completion of Art Foundation I.**

This is an entry level course for students who have successfully completed Art Foundations I. It is designed to provide an overview of Visual Arts while studying a broad variety of art tools and materials. With an emphasis on studio production, this course is designed to develop higher level thinking, art related technology skills, art history, and aesthetics. This course is dual credit with ACCC.

**AP STUDIO ART****5 credits, Grades 11-12**

**\*Based on enrollment, AP courses may be offered via alternate means.**

**Prerequisites: Successful completion of Art Foundation II, by interview, art teacher recommendation or assessment.**

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios — 2-D Design, 3-D Design and Drawing — corresponding to common college foundation courses.

**3-DIMENSIONAL DESIGN****5 credits, Grades 9-12**

This art course deals with art in its 3-Dimensional form. A variety of mediums will be explored, which may include textiles, clay, paper mache', wire sculpture...and more! Students will participate in a wide range of experiences using additive or subtractive sculptural techniques designed to build artistic and creative confidence. An appreciation for art from various cultures will also be developed. Projects are designed to teach thinking skills and to include useful Art experiences such as color theory and design, so that no matter what vocation students pursue, the knowledge gained in this class will be of value to them.

**CHOIR****5 credits, Grades 9-12**

Choir is a performance oriented full-year course. Enrollment is open to students in grades 9 through 12. Participation in classroom rehearsals and individual skill level improvement is the major basis for grading. Students are required to participate in concert performances.

**VOICE****5 credits, Grades 10-12**

Voice is open to students in grades 9 through 12. Voice class focuses on solo singing in various genres. Students will work towards range expansion, proper vocal technique, and musical/stylistic development. Students perform annually at concerts and vocal showcases, as well as at school events.

**PIANO****5 credits, Grades 9-12**

This course introduces beginners to basic piano study, as well as provides no-cost lessons to students with previous keyboard skills. Students will learn musical notations, historical repertoire relevance and musicality, playing individual instruments in a classroom setting. Accomplished students will hone their skills, as well as expand their repertoire, perform dual-piano pieces, develop their accompanying skills, and reinforce the rudiments of basic music theory. The instructor will work with students on a one-to-one basis, documenting progress and development weekly. Students would be eligible for enrollment in class piano multiple years, as there is no end to musical development and knowledge.

**SYMPHONIC BAND****5 credits, Grades 9-12**

Symphonic Band is a performance oriented full-year in which students will acquire ensemble

performance skills, as well as develop an idea of rehearsal technique and how to prepare for concerts, understanding the differences between practice and rehearsal. Symphonic wind bands are the core focus of any instrumental music program at the high school level, as it is where the skills needed for marching band, jazz band, chamber ensembles, and solo performance are learned. Students have the option to audition for All-South Jersey and All-State Band\*, as well as other area honor bands. Attendance is required in class and at any extra rehearsals for concert preparation. Students are required to perform at all concerts and football games.

**\*All-State Band requires acceptance to All-South Jersey Band to gain eligibility.**

**\*Participation in marching band allows for PE opt out junior and senior years.**

## **PERCUSSION**

### **5 credits, Grades 9-12**

Percussion Techniques is a class for students who are interested in learning the basics of playing drums, mallets, and reading music. Students spend class time working alone and in small groups to prepare the music. No musical experience is required but a background in piano or note reading is encouraged.

## **MUSIC TECHNOLOGY**

### **5 credits, Grades 9-12**

Music Technology is a course for students interested in music production, composition, songwriting, and audio editing. Every student will have access to state-of-the-art computers, equipment, and programs to help them create music digitally. No musical experience is required but some background in piano, guitar, or voice is encouraged.

## **MUSIC THEORY**

### **5 credits, Grades 9-12**

Music Theory is a full year course that focuses on the fundamentals of music structure and composition. Students learn the basic and intermediate elements of music reading and notation, as well as recognize musical elements aurally. Students must have prior music reading knowledge.

## **AP MUSIC THEORY**

### **5 credits, Grades 10-12**

#### **Prerequisite: Music Theory**

Advanced Placement Music Theory is a full year college level course that focuses on the

fundamentals of music structure and composition. This course strictly adheres to the AP Music Theory National Guidelines and curriculum. This class will be offered every other year.

### **INTRODUCTION TO MUSIC A-Z**

#### **5 credits, semester course, Grades 9-12**

Music A-Z provides students with a broad overview of musical elements and evolution, allowing them to be more astute music consumers and listeners. Students will gain basic knowledge of music theory, musical elements, musical evolution, and style/genre/structure, while understanding how societal change influences musical change.

### **GRAPHIC DESIGN**

#### **5 credits, Grades 9-12**

Middle Township High School's Introduction to Graphic Arts / S.T.E.A.M. course exposes students to design by introducing them to creative, cross-disciplinary applications. Starting with applied graphic design principles and using them with hand printing such as linoleum-cut, screen printing, and other hand print mediums. Progressing to photography, digital design, and web-based applications.

In this prerequisite class, students will be introduced to multiple applications and technologies to prepare them for a choice of path for future courses such as a focused Digital Design or Web Design course.

### **WEB PAGE DESIGN**

#### **Prerequisite: Graphic Design**

#### **5 credits, grades 10-12**

This year-long will focus on the skills needed to prepare students to be familiar with web page design. Students are introduced to planning and designing effective web pages; implementing web pages by writing HTML and CSS code; enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website.

### **DESKTOP PUBLISHING**

#### **Prerequisite: Graphic Design**

#### **5 credits, Grades 10-12**

Desktop Publishing is a full-year course designed for sophomores, juniors and seniors (or teacher-recommended students) who have successfully completed one year of computer applications or programming. The course will develop the students' understanding of MS

Publisher and Adobe Photoshop, teach page layout and design, enable them to produce their own publications, and allow them to explore their creative abilities.

## **THEATER I**

### **5 credits, Grades 9-12**

This elective course is designed as a first-year exploratory theater course. Theater Survey will expose students to the performance, technical, and literary aspects of Theater Arts. The performance curriculum will include the various dynamic aspects of the actor in preparation and performance. The technical curriculum will include the practical aspects of planning, designing, constructing, and operating the physical theater. The literary curriculum will include a study of the history of theater and a reading analysis of the different genres of dramatic literature within that historical context. An ongoing objective of the course will be an awareness and appreciation of good theater and the desire to continue as an intelligent participant in, or observer of, the oldest form of human creative endeavor.

## **THEATER**

**5 credits, Grades 10-12**

This elective course is designed for upper-level theater students who already have a firm knowledge of the aspects of theater and have taken Theater Survey. Advanced Theatre class will expose students to the performance, technical, and literary aspects of Theatre Arts. The performance curriculum will include the various dynamic aspects of the actor in preparation and performance. The technical curriculum will include the practical aspects of planning, designing, constructing, and operating the physical theater. The literary curriculum will include a study of the history of theater and a reading analysis of the different genres of dramatic literature within that historical context. An ongoing objective of the course will be an awareness and appreciation of good theater and the desire to continue as an intelligent participant in, or observer of, the oldest form of human creative endeavor. The end goal of this class is for students to produce and perform in a completely student run production. STUDENTS MUST PARTICIPATE IN PERFORMANCES AND IMPROV ACTIVITIES! IT IS PART OF YOUR GRADE AND PART OF THIS CLASS!

## **TECHNICAL SET DESIGN (STAGECRAFT)**

### **5 credits, Grades 9-12**

The objective of this course is to introduce the student to the fundamental elements and principles of technical theater through hands-on learning that makes use of the production facilities, operations, methods, and technologies used at the Middle Township Performing Arts Center, and to relate these practices to those used in professional, amateur, and educational theaters. The course will include a brief history of theatrical stages and technology, and an

overview of professional theater and associated labor unions. Students will learn the functions of the creative team, production staff, technicians, and stage crew. Basic elements of scenic construction, design concepts, theatrical lighting, sound technologies, and stage management will be introduced and assessed through practical application, text readings, and multiple-choice assessments. Participation during and after school hours in the MTPAC Technical Stage Crew may be required to help assist during events held at the Middle Township Performing Arts Center.

### **DANCE TECHNIQUE I & II**

#### **5 credits, Grades 9-12**

In this course, students are introduced to the elements of dance. These elements will be explored through a study of Jazz, Modern, and Ballet techniques with an emphasis on creative movement and improvisation. Students will explore a variety of choreographic devices and create original dance works. Coursework also includes social dance, basic anatomy for the dancer, dance notation and history. Students have the responsibility to participate in informal performances and the annual spring dance concert. They will also maintain a journal to analyze and critique individual and class work. Proper dance attire is required. This course may be repeated for credit.

### **COLLEGE DANCE**

#### **5 credits**

In this course, students survey the dance field through lecture, discussion, audiovisual, and movement. Students will learn beginning and intermediate dance training in various dance genres. Students will explore the scope and roles of dance from primitive to contemporary times, and explore dance movements and characteristics of various styles, philosophies, cultures, and historical periods. Students will begin to develop the ability to communicate ideas using the body as a tool for expression and gain a deeper understanding of dance as an art form.

### **INTRODUCTION TO BUSINESS**

#### **5 credits, semester course, Grades 9-12**

**\*Honors Introduction to Business is offered to grades 11-12 and is dual credit with ACCC.**

Personal Information Processing is a half year course designed to provide students with keyboarding and word processing skills necessary for personal and business use. Students will learn to keyboard using the “touch” method and strengthen this skill by creating many different documents. These documents include: personal and business letters, envelopes, outlines, unbound reports, reference and title pages, tables, and memos.

**ACCOUNTING I****5 credits; Grades 10-12**

Accounting I is a full-year course, required of all students pursuing a Business Program through high school. It is also an elective for all other students. It gives students a thorough grounding in basic accounting principles and serves as an aid in all other business subjects. The course includes the complete accounting cycle for both a small service and merchandising business. Projects and simulations are used for review, and a final examination is required.

**COMPUTER SYSTEMS****5 credits; Grades 9-12**

Computer Systems is a full year course designed for theoretical and practical computer system skills. The course incorporates an algorithmic approach to both programming and application software. Students will use an integrated software package such as MS Office/Google Applications, explore technology theory, and program in high level languages. Students may obtain 3 credits through Atlantic Cape Community College (CISM-125 Intro to Computers) by earning a C average or higher.

**ECONOMICS****Prerequisite: Algebra I****5 credits; Grades 10-12**

This semester course will focus on understanding economic concepts and how these concepts affect our lives in the 21st century. Topics to be included in this course are the economic models, economic choices, the scarcity and science of economics, supply and demand, and much more."

**TECHNICAL LIFE SKILLS****5 credits, Grades 11-12**

Technical Life Skills is an introductory course designed to provide students with a variety of skills necessary for success. Students will gain a better understanding of basic computer skills, career awareness and career path development, money management and interpersonal communication skills.

**SPORTS MARKETING AND ENTERTAINMENT****5 credits, Grades 9-12**

The students will learn the foundations of marketing which include advertising, planning, consumer behavior, product research, ethical behavior, and communication. This highly interactive course will enable students to engage their creative side while learning how to

market a team, a sports figure, a product/service, and themselves. Students will frequently engage in individual / group activities, creative writing assignments, and exploration of the Web to research popular companies.

## **BUSINESS LAW AND MANAGEMENT**

**5 Credits, Grades 10-12**

**Recommended Prerequisite: Sports Marketing and Entertainment**

This course provides you with an understanding of what our legal system actually is, how it works, its importance in all areas of business, and what it means to you personally. The students do research on a variety of court cases. Areas studied include criminal law, civil law, court and prison systems, and in-depth study of business contracts.

## **ENTREPRENEURSHIP**

**5 Credits, Grades 10-12**

**Prerequisite: Sports Marketing and Entertainment**

Today's students are actively involved in business organizations at all levels. Whether you are an employee, manager, entrepreneur, concerned citizen, or a consumer, involvement in business organizations is numerous and varied. These personal experiences provide a foundation for a meaningful and systematic study of business, organizations, and management. The Business Management course provides a critical understanding of how business organizations work and are managed--their goals, strategies, structures, technologies, environments and the motivations and interests of the people involved. Activities and assessments promote critical thinking and decision-making, while addressing the importance of technology & the global nature of business.

## **INTRODUCTION TO ESPORTS**

**2.5 credits, semester course, Grades 9-12**

The purpose of the Middle Township Public School's Esports Course is to provide instruction aligned with the 2020 New Jersey Student Learning Standards for Career Readiness and Computer Science and Design Thinking Standards. It is designed to prepare student learners for career readiness, life literacies, and key skills and provides students with the necessary skills to make informed career and financial decisions, engage as responsible community members in a digital society, and successfully meet the challenges and opportunities in an interconnected global economy. The course explores the benefits of Esports and its increased scholastic acceptance. Students learn teamwork and group cooperation, learn and engage in positive health habits, learn to manage and communicate positively and constructively, explore careers and educational opportunities that Esports brings, and learn the technical aspects of esports including a basic understanding of computers and networking.

## **ESPORTS**

**5 credits, semester course, Grades 10-12**

**Prerequisite: Introduction to Esports**

The Esports Curriculum provides an articulated course of instruction aligned with the 2020 New Jersey Student Learning Standards for Career Readiness and Computer Science and Design Thinking Standards. Esports is designed to prepare student learners for career readiness, life literacies, and key skills and provides students with the necessary skills to make informed career and financial decisions, engage as responsible community members in a digital society, and to successfully meet the challenges and opportunities in an interconnected global economy.

## **INTRODUCTION TO ENGINEERING DESIGN**

**PROJECT LEAD THE WAY COURSE**

**5 credits, Grades 9-12**

A class designed to foster the embers of creativity we all shared as children; with hands on classroom experiences those embers are fanned to ignite passionate, curious, self-motivated life-long learners. The concepts of engineering are presented in both practice and from the page of screen. Rocketry, electronics, robotics, design challenges, and more are what your student can expect from MTHS STEM.

## **AP COMPUTER SCIENCE PRINCIPLES (PROJECT LEAD THE WAY)**

**5 credits, Grades 9-12**

**Prerequisite: Algebra 1**

**\*Based on enrollment, AP courses may be offered via alternate means.**

The AP Computer Science Principles (AP CSP) course introduces you to the essential ideas of computer science and shows how computing and technology can influence the world around you. You can pursue your interests in digital projects – like apps, films, games or music – that showcase your creativity, and use your creations to make a difference in your community.

## **ROBOTICS**

**PROJECT LEAD THE WAY COURSE (PRINCIPLES OF ENGINEERING)**

**5 credits, Grades 11-12**

**\*Prerequisites: Introduction to Engineering Design & AP Computer Science Principles**

Students will be introduced to the world of Physical Computing by developing an understanding how devices interact with our physical world. The course will provide an introduction to electronics, circuits, hardware, and networking, and work toward creating projects that can be

operated remotely or autonomously. This is a lab course, which will have a significant portion of the time created to hands-on demonstration of the topics covered.

### **AP COMPUTER SCIENCE A**

**5 credits, Grades 10-12**

**Recommended Prerequisite: AP Computer Science Principles**

**\*Based on enrollment, AP courses may be offered via alternate means.**

The Advanced Placement Computer Science course is a full year course for Juniors and Seniors, intended to serve both as a college introductory course for computer science majors and as a substantial service course for students who will major in the disciplines that require significant involvement with computing. This AP course encompasses the collection of technical skills and scientific methodologies enabling students to create high-quality computer-based solutions to real problems. The JAVA language is used as the vehicle for implementing computer-based solutions; however, the language is not the focal point of the course. This class is also dual-credit through ACCC.

Honors level math and science is suggested.

### **FINANCIAL LITERACY**

**5 credits, Grades 11-12, will be offered as a summer course to 10th grade students**

**Prerequisite: Algebra I**

This half-year course is offered to students to assist them in using critical thinking, decision making, and problem-solving skills. This course will focus on developing personal living skills. Students will have the opportunity to use software and the Internet to acquire and reinforce skills for “real world” success. This course is designed to meet the state requirement.

### **VIDEO PRODUCTION**

**5 credits, Grades 9-12**

This elective course is designed to explore broadcasting from all aspects, focusing on the role of broadcasting news, writing, and production. The broadcasting course will focus on skills and techniques that relate to news gathering, news writing in broadcast form, and news reporting. On-going development of skills in reading, writing, speaking, and listening will be emphasized. This course is designed for the student with an interest in a career in broadcasting, as a prerequisite for the student interested in working in a production studio, or one with a desire to improve writing skills, speaking skills, or oral communication. The production section of the course emphasizes the nature of communication, media literacy, and the historical development of media devices such as books, film, music, newspapers, radio, and television. This section also examines the history of broadcasting along with the legal aspects of a school

production studio. The television broadcasting & production elective can be taken in succeeding years. The course proficiencies will be modified to reflect additional years of study.

### **ADVANCED VIDEO PRODUCTION**

**5 credits, Grades 10-12**

**Prerequisite: Video Production I**

After taking Video Production I, students may enroll in this elective course which focuses on the daily and weekly implementation of video production techniques. The focus is on structured video content creation, which can be used to help sustain a school show. Assignments/projects will include news packages of various lengths, short films, and student public service announcements. The goal of the course is for students to get a glimpse of how a real video newsroom operates, where students will help generate story/project ideas. Students will truly take ownership of every phase of the process, including pre-production, production, and post-production.

### **SPORTS BROADCASTING & VIDEO PRODUCTION**

**5 credits, Grades 10-12**

**Prerequisite: Video Production I**

This elective course is designed for students to explore the world of broadcast journalism and video production, through the lens of sports. After taking Video Production I as a prerequisite, students may continue their journey into the practical and technical aspects of sports broadcasting. Students will produce short-form and long-form video projects pertaining to sports themes. Students will also develop skills in the area of live sports broadcasting, including play-by-play, color commentary, and sports podcasting. Students will study and analyze professional sports content, and apply developed skills to their own sports-related content. Students will also have the opportunity to become involved with Middle Township High School sporting events, including on-camera and behind the scenes activities.

### **FAMILY AND CONSUMER SCIENCES I**

**5 credits, Grades 9-12**

Family and Consumer Science I is designed as a general introductory course involving sewing and project construction, nutrition, recipe planning, preparation, and service, etiquette, money management and consumerism, parenting, family relations and home management. It is an elective full-year course open to 9th, 10th, 11th, and 12th graders.

### **FAMILY AND CONSUMER SCIENCES II**

**5 credits, Grades 10-12**

Family and Consumer Sciences II is designed to teach advanced skills in the areas of nutrition, food preparation, recipe planning and meal service, textiles, sewing and clothing construction, consumerism, personal development, home management, and human growth and development

### **ADVANCED FAMILY AND CONSUMER SCIENCES**

#### **5 credits, Grades 11-12**

Advanced Family and Consumer Sciences is designed to be taken as a one- or two-year course following the successful completion of Family and Consumer Sciences I and II. Food preservation, nutrition, food preparation, food service, etiquette, fashion, sewing and clothing construction, housing and furnishings and parenting are studied in detail.

### **NAVAL SCIENCE I**

#### **5 credits, Grades 9-12**

This is the first course in the Naval Science Curriculum. Students will start with an introduction to the NJROTC program, including military and civilian career options, and skills for school and life. We will survey citizenship, the U.S. government, and national security followed by an introduction to leadership skills. The second half of the course looks at the structure of the U.S. Navy, including its ships and aircraft, and introductions to wellness, first aid, and orienteering.

### **NAVAL SCIENCE II**

#### **5 credits, Grades 10-12**

The second course in the Naval Science curriculum starts with a survey of Maritime History from Ancient times to the most recent Conflicts in the Middle East with an emphasis on American Seapower. The second module expands on the leadership skills learned in Naval Science 1. The course concludes with an introduction to the sciences critical to any study of the maritime environment: Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Science.

### **NAVAL SCIENCE III**

#### **5 credits, Grades 11-12**

The third course in the Naval Science curriculum focuses on how the U.S. Navy fits into the broader idea of American Seapower and National Security. The class studies Navy Operations and Support Functions, Military and International Law, and Naval weapons and systems in modern warfare. A second module dives deeper into leadership, emphasizing direction and evaluation as cadets take on more responsibility in the unit. Finally, the class moves into

seamanship skills including Ship Construction and Damage Control, Deck Seamanship (knots, line handling, and small boat seamanship), and Marine Navigation.

#### **NAVAL SCIENCE IV**

##### **5 credits, Grade 12**

The final course in the Naval Science curriculum covers a broad range of topics to prepare cadets for college and beyond. Cadets discuss College and Career Readiness, and Personal Finances before taking a deeper dive into Leadership and Ethics as they put classroom discussions into practice as leaders within the unit. The class finishes the year looking at topics in Cyber Technology and Space Exploration that will be critical future pathways.

#### **CADET PE**

##### **5 credits, Grades 9-12**

Cadets learn and refine military drill techniques, both unarmed and armed, Color Guard, and military fitness techniques to train for the various military service fitness assessments.