

Middle Township High School Electives

2021/2022

VIDEO PRODUCTION Grades 9-12 5 credits Dual Credit

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 productions 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.

THEATER Grades 9-12 5 credits Dual Credit

This elective course is designed as a first year exploratory theatre course. Theatre Survey 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 theatre and a reading analysis of the different genre of dramatic literature within that historical context.

STAGECRAFT Grades 9-12 5 credits

The objective of this course is to introduce the student to the fundamental elements and principles of technical theatre 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 theatre 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 maybe required to help assist during events held at the Middle Township Performing Arts Center.

AFRO-AMERICAN HISTORY Grades 11 & 12 5 credits Dual Credit Stockton University

Afro-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.

ADVANCED PLACEMENT HISTORY OF BEHAVIORAL SCIENCE Grades 11&12 5 credits

This course will allow students to make an in-depth, systematic and scientific study of the behavior and mental processes of human beings. During the course students will be exposed to the facts, principles, concepts, and phenomena of all of the major areas of Psychology, including methodology. The course will provide a much more detailed study of psychology than our regular psychology class, and provide the increased time needed for an in-depth study

HOLOCAUST AND GENOCIDE STUDIES Grades 11 & 12 5 credits Dual Credit

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.

SOCIOLOGY Grades 11 & 12 5 credits *Dual Credit Stockton University*

Pre Req – 1 year of English Advanced of a B or better

Sociology is an elective, half-year course 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..

LAW Grades 11 & 12 2.5 credits

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.

HISTORY OF BEHAVIORAL SCIENCE Grades 11 & 12 2.5 credits

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.

HORTICULTURE Grades 9 – 12 5 credits

A mix of theory and hands-on experiences prepare students who desire to pursue horticulture as a career at the college level or for practical applications around the home. The technique of vegetable gardening, fertilization, composting, seed propagation, asexual propagation, greenhouse structures, greenhouse management, greenhouse plant material, landscape design, and identification of landscape material will be covered. Use of plant material, both interior and exterior, for aesthetic purposes as well as their cultural requirements will be an integral part of this course.

ANATOMY AND PHYSIOLOGY 5 credits

Prerequisite: 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).

PRINCIPLES OF HEALTHCARE Grades 9 – 12 5 credits

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

ACCOUNTING I Grades 10 - 12 5 credits

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.

COMPUTER SYSTEMS Grades 9 - 12 5 credits *Dual Credit*

This 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 Office, explore technology theory, and program in high level languages.

SPORTS MARKETING Grades 10 – 12 5 credits

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.

AP COMPUTER SCIENCE Grades 11 & 12 5 credits

(Prerequisite: Computer Programming and/or juniors and seniors taking honors level math and science.)

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 of 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 solution; however the language is not the focal point of the course.

AP COMPUTER SCIENCE Grades 10 – 12 5 credits (Boyer)

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 Grades 11 & 12 5 credits (Richardson)

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.

ADVANCED CHOIR Grades 9 – 12 5 credits (D. Jenkins-Dalfonso)

Advanced Choir is a performance oriented full-year course. Enrollment is by **audition only** and 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 (Academy Course) Grades 9 – 12 5 credits

10 – 11th grade academy students

MUSIC A-Z Grades 11 -12 5 credits *Dual Credit*

Pre Req – 1 year of English Advanced of a B or better

This is a 1/2 year, Dual Credit, course. This one semester course will serve as an introduction to music theory and music appreciation, providing students with a background in music basics. It will focus on musical notation, rhythm, symbols, and terminology, as well as history and major works in the vocal and orchestral repertoire. This course will allow students to broaden the range of musical knowledge and expand cultural opportunities available to them at Middle Township High School and in their community.

MUSIC APPRECIATION Grades 10 -12 2.5 credits

This one semester course will serve as an introduction to music appreciation, providing students with a background in music basics. Students will also become more familiar with the instruments of the orchestra and their roles in musical compositions.

MUSIC THEORY Grades 9 - 12 2.5 credits

Music Theory is a one semester course in which the basic fundamentals of music notation are identified. These will include the Grand Staff, clef signs, line and space names, note and rest values, time and key signatures, and major scale construction.

PERCUSSION 5 credits

This one-year course is designed for students who have a desire to learn to play percussion instruments. This introductory course will include guidance and direction in learning the basic reading of music. Throughout the year students will learn new music working in small groups. This course will fulfill the fine/practical art elective credit toward high school graduation.

PUBLIC SPEAKING 1/2 year course 5 credits 11 & 12 *Dual Credit*

Pre Req – 1 year of English Advanced of a B or better

Public speaking is a soft skill that requires excellent communication skills, enthusiasm, and the ability to engage with an audience. Public speakers make presentations to a group. Presentations range from speaking to a small group of employees to presenting to a large audience at a national conference or event. The same skill set and ability to be comfortable speaking in public are required regardless of the size of the group.

ART FOUNDATION I 5 credits

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 Grades 9 – 12 5 credits

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.

AP ART

Pre-Req

Art Foundation 1&2

3 DIMENSIONAL DESIGN 5 credits

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.

SYMPHONIC BAND Grades 9 - 12 5 credits

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, All-State Band*, as well as participate in the Rowan Side by Side Concert and 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 (including graduation).

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

FAMILY AND CONSUMER SCIENCES 1 Grades 9 - 12 5 credits

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 2 Grades 9 - 12 5 credits

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 Grades 11 & 12 5 credits

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.

MANUFACTURING I & II Grades 9 - 12 5 credits

Students will learn the principles of manufacturing and production and how these processes impact the world in which we live. The students will brain storm, design, and create products from both natural and synthetic materials as they learn about production from the planning stage to the marketing stage. These hands-on courses give students the opportunity to learn about various manufacturing systems and make corresponding products within each system.

PROPERTY MAINTENANCE 5 Credits

In the students third year of manufacturing, the student will focus on property maintenance. The course will cover wall construction. Insulation, dry wall construction and repair, electrical switches, soldering of pipes and screen repair.

TECHNOLOGY EDUCATION I & II Grades 9 – 12 5 credits

These career-oriented courses are designed to include today's and tomorrow's technology. The students will learn basic project planning, engineering, research and development, communications, and graphic technologies. The students will have both hands-on and multi-media activities to develop the recommended skills, competencies and behaviors needed for worker preparedness and proficiency in our technological society.

COMPREHENSIVE MEDICAL TERMINOLOGY Grades 9 – 12 5 credits (Gehman)

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.

FORENSICS Grades 10 – 12 5 credits

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.

INTRODUCTION TO EDUCATIONAL PRACTICES SENIORS ONLY 5 credits Dual Credit

Experiencing the Classroom - Teacher Cadets explore the process of becoming a teacher, the characteristics of today's teachers, the teacher's responsibilities, variables that contribute to effective teaching, classroom culture, and careers in education. At the end of this part of study, Teacher Cadets work with master classroom teachers in an extended field experience. Cadets continue to attend their Teacher Cadet class at least one or two days a week, depending on their schedule.

BUSINESS LAW Grades 10-12 5 Credits

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.

AP STATISTICS Grades 11 & 12

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and testing hypotheses

ASTRONOMY 1/2 year elective 5 credits Dual Credit

In this semester elective course, students will explore our universe through the use of modern technology. The purpose of this course is to help students use principles of science to think more intelligently about the universe they live in and about the current issues of science and technology, and develop a lifelong awareness of the potential and limitations of science and technology. ***Must be in Algebra 2 or above to be placed in the course.

MARINE BIOLOGY 1/2 year elective 5 credits Dual Credit

This is a semester elective course designed for students with an interest in the many aspects of the marine environment, and in developing the ability to identify the problems and possible solutions of our ocean habitat. Students will explore the composition of the ocean, marine organisms - their habitats, tides, waves, and coasts, and how humans are impacting oceans on a global scale. Classroom activities include laboratory investigations and activities, research projects, problem-solving, data collection, and strategic thinking to increase student awareness of the importance of the marine community in our ever-changing world. ****Please Note 1. There are no lab periods associated with these courses, and 2. These courses do not count toward the requirement of 3 years of lab science for graduation.*