Manchester Academy Summer Program
Grades 9-12 Course Descriptions
2017

Courses listed below are being offered for summer school. All courses require a minimum level of enrollment in order to be held. Please be sure to include alternate selections on your registration form to better ensure you will be able to attend summer school. Students may take one or two courses from those listed below.

Students may take courses for one of two purposes:

1. **Credit Recovery** – Completion of summer school courses may be used to recover lost credit for courses students have taken and failed to complete successfully.
2. **Enrichment** – Completion of summer school courses may be used to improve skills or prepare for courses that will be taken in the coming year.

The student's home school will determine the credit earned and the method used to include the grade in any and all permanent records. ***(Please check with your home school for an understanding of what class(es) are recommended and how completion of classes will be applied to your permanent record.)***

Credit Recovery

In order to enroll in the following courses for credit recovery, students must have failed to earn credit in a course previously attempted. Manchester students must have been in attendance at least 87% of the days the class met. (A student may not have been absent more than 13 days per semester.) The home school will determine the method which completion of a course will be used to calculate credit. ***(Check with your home school for an understanding of what class(es) are recommended and how completion of classes will be applied to your permanent record.)***

Enrichment

Students who wish to enroll for enrichment purposes are seeking to improve their skills and increase their knowledge in preparation for coursework that is planned for the coming year. Priority in registration will be given to students seeking credit recovery. The home school will determine the method which completion of a course for enrichment will be included in any and all permanent records. ***(Please be sure to check with your home school for an understanding of what class(es) are recommended and how completion of classes will be applied to your permanent record.)***

Courses Offered

Foreign Language

Spanish I - Instruction will concentrate on listening to and speaking the target language with the aim of proficiency in Spanish. Memorization, recitations, and mimic responses with cooperation in learning are required throughout the year. Cultural discussions are held on the ideas, beliefs, and behavior of Spanish speaking people.

Spanish II - This course is a continuation of the goals of Spanish I with further development of proficiency in listening and speaking skills. More emphasis is placed on structure pattern analysis, as well as on reading and writing (composition).

Computer Science

ICT – This course is designed to provide students with an overview of computer technology and business technology. The class is the foundation for computer literacy in applications such as Google Drive, Google Sheets, Google Forms and Google Presentations.

English

English I – The course is designed to introduce reading selections in the literary genres of fiction, non-fiction, drama and poetry. Critical, analytical and expository writing will be emphasized with the writing process, as will grammar and vocabulary.

English II – This genre-based course provides students with high-interest traditional and contemporary selections of fiction, non-fiction, drama and poetry for literary study, with a focus on American Literature. The skills that formed the core of English I will be further developed along with an emphasis on the research process.

English III – This course is designed to expose students too more specialized genres of literature. Genres may include British Literature, Contemporary Literature, Mythology, Technical (practical) Reading and Short Story. This course will also help students improve their writing skills. Topics covered may include business communications, creative writing, and journalism.

English IV – This course is designed to provide students with exposure to specialized genres of literature. Genres may include Heroes in Literature, Film as Literature, Literature of American Women, Shakespeare and Social Criticism. This course will also help students improve their writing skills. Topics covered may include Practical Writing, Writer's workshop, and formal composition.

Poetry/Shakespeare - This course will provide students with an essential knowledge of Shakespearean theater in terms of background, structure, language, and historical content. Elements, such as, literary and dramatic techniques found in the plays of William Shakespeare will be examined.

Social Studies

Civics - The course examines our system of government and how it operates on the national, state and local levels. Discussion focuses upon the interrelationships of the three. Current issues are addressed regularly.

Economics – The course is designed to assist students to function more effectively in today's economic world and to understand the free-enterprise system. Topics include economic principals and institutions with emphasis placed on the development of skills in economic decision-making allowing students to enhance their understanding of their roles as consumers, producers, investors and voters.

World History Survey – The goal of this course is to provide students with the global perspective needed to function as effective citizens in a changing world. Topics include early peoples, Europe, India, and the Far East, the rise of Islam, the Age of Revolutions, the Twentieth Century and the impact of current events.

New Hampshire History – The goal of the course is to offer students an understanding of the history and government of New Hampshire from the pre-colonial era to the present. Major topics include colonial and revolutionary times, New Hampshire in the new nation, the Civil War in New Hampshire and the growth of the modern industrial state of New Hampshire. The history of Manchester is stressed.

U. S. History – The course involves the study of United States History from 1850 to 1919. Topics include the Civil War and Reconstruction, the Growth of American Industry, United States Imperialism, the Progressive Era, World War I, the Twenties, the Great Depression and the New Deal, World War II, the Postwar Era and Contemporary Problems.
Course meets for one block.

Mathematics

Algebra Skills I– The course is designed for students who need to review the basic concepts of mathematics, blending algebraic and geometric concepts. Topics include data analysis and graphs, algebraic expressions, operations on integers, proportions, and percents, perimeter, area and volume, probability, linear equations, exponents, polynomials, linear functions and graphing.

Algebra I – This course is designed for the average math student who plans to attend college in a non-math-related area. Topics include operations with real numbers, solving linear equations and inequalities, functions, graphing in a coordinate plane, and rates of change, systems of linear equations, exponents, polynomials, simplifying rational and irrational expressions and solving quadratic equations.

Geometry- This course is designed for the average math student who plans to attend college in a non-math-related area. Topics include parallel lines, congruent triangles, quadrilaterals and other polygons, coordinate geometry, transformations, similarity, right triangles, circles, perimeters, areas, volumes and an introduction to basic trigonometry. This course will include geometric proofs, but proofs are not the main emphasis of the course.

Algebra II - This course is designed for the average math student who plans to attend college in a non-math-related area. The concepts of Algebra are extended to include equations and

inequalities, matrices, systems of equations, polynomials, quadratic equations and functions, rational expressions and equations, functions and relations, exponents and radicals, exponential and logarithmic functions, an introduction to conic sections, and an introduction to trigonometry. Graphing calculators will be used throughout the course.

Science

Physical/Earth Space Science – The course covers properties of matter, energy, motion and force, the earth and earth's materials, solar system, origin and evolution of galaxies and the universe as well as the growth of scientific knowledge through the development of technology. The approach emphasizes the every day application of physical laws and is conceptual in nature with little emphasis on mathematical calculations. Hands on investigations will play a significant role in the implementation of this curriculum.

Biology – The course covers the chemistry of life, the principles of biology, the diversity of life, and ecological relationships. Laboratory experiences will be included in this course designed to reinforce the significant themes.

Chemistry - This course provides students with an understanding of chemical principles and skills that are needed for college. The study of chemistry includes laboratory investigation, problem solving activities, textbook study, lecture, and class discussion. The structure and properties of matter, organic and inorganic chemistry, energy, consumer science, technology, history and societal issues make up the content of this class.