



Grade 7 Cycle Options

Students in 7th grade take a new cycle class each marking period. All students must take Health as one of their four cycles. During the Spring of their 6th grade year, students will select their top 7th grade cycle choices. We make every effort to support students' requests, with almost all students being guaranteed at least two of their top three choices.

Below are the exciting 7th grade cycle class options!

Art

You will continue to create artwork based on a variety of sources. Art projects designed to communicate ideas, express feelings, portray action or movement are emphasized. You are trained in skills to extend your ability to solve problems or modify artistic statements.

Civics

Have you ever wanted to speak your mind about issues that impact you and your community? Come on down to civics where you get to keep up with current events and debate about the hottest topics around the globe. Civics is the branch of political science that deals with civic affairs and rights, duties, and responsibilities of citizens. Our main focus is to prepare open-minded citizens, with a sense of civic responsibility. Students examine local, state, and national government in a small class setting.

Computer Science

Tinker CAD – In Tinker CAD, students will explore the design and modeling process. If you can dream it and imagine it, you can make it a reality in Tinker CAD.

Music

The 7th grade general music program focuses on using piano keyboards to perform songs as well as compose their own songs. Students will learn different positions on the piano as well as use computer programs to record and add music loops to their musical arrangements. In addition to performances, students study music history, music theory, as well as explore other projects such as bucket drumming over the course of the cycle

Oceanography

This cycle class will engage students in a scientific study and investigation of oceans and all aspects of it. Students will explore the various organisms that inhabit oceans, investigate the depth and extent of ocean waters and their movement. This class may include the use of class discussion, various forms of readings/articles/content, videos/films, hands-on lab activities, simulations, online resources, and STEM connections.

Technology, Engineering, and Design

Grade 7 will further explore the processes and techniques used in the design and construction of our engineered world. The class will focus on mechanics and structural engineering. Emphasis is placed on compound machines and the effects of individual parts on the whole. The course culminates in students developing a Rube Goldberg machine; a deliberately complex machine meant to perform a very simple task. The construction of these machines will test students' abilities to troubleshoot and refine their designs. Teams will participate in our school-wide competition at the end of the year.

Future City (Marking Period 1 only)

Future City is a competition that asks students to build cities of the future that showcase their solution to a citywide sustainability issue. Past topics include urban agriculture, the power of public space, and green energy. The 2017-2018 topic was the age-friendly city. In this course, students will imagine, research, and design their solution to the challenge. Top designs will be chosen to attend the Regional Competition in January. Regional winners will represent New Jersey at the National Finals in Washington, DC in February.