



SCOPE EDUCATION SERVICES

MATTITUCK-CUTCHOGUE UFSO

STEM SUMMER ENRICHMENT



FOR STUDENTS ENTERING GRADES K-8

July 18-August 5, 2022

8:30 AM TO 12:30 PM

Cutchogue East Elementary School



	Period 1 8:30—9:30 AM	Period 2 9:30—10:30 AM	Period 3 10:30—11:30 AM	Period 4 11:30—12:30 PM
Entering Grades K-2	Lego Engineering	Storybook STEAM	Edible Science	Primary Coding & Robotics
Entering Grades 3-5	Chocolateering STEAM Chocolate Engineering	Lego Engineering	Coding & Robotics	Rocketry and Retro Science
Entering Grades 6-8	Rocketry and Retro Science	Electrical Engineering and Coding	Makerspace and Extreme STEAM	Chocolateering STEAM Chocolate Engineering



\$175 per class

10% sibling discount

IMPORTANT INFO: Each student may choose up to 4 periods. If registering for more than one class, please register classes consecutively. **Space is limited!** Courses fill in the order in which registrations are received. Students can bring their own nut free snacks & drinks. SCOPE reserves the right to cancel a class due to insufficient enrollment. Course descriptions on back

Registration online only at: <https://scopeonline.ce.eleyo.com/>

Registration and course change deadline is June 15, 2022.



For more information: 631-360-0800 ext 129 or bwestcott@scopeonline.us

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A PATH TO ENDLESS POSSIBILITIES

Course Descriptions

Coding (Primary) and Robotics Grades

This introductory course will feature an outstanding curriculum focusing on problem based solving, logical thinking, creativity, resilience, persistence and boost your child's confidence! Students will code with Minecraft, Star Wars, and Frozen block-based tutorial programs. Students in Grades 6-8 will work on Arduino electrical coding boards.

Chocolateering Chocolate STEM Engineering

In this amazing engineering course students will utilize design thinking strategies to learn design, engineering and architectural principles totally using chocolate. Students will design, create and build fascinating engineering structures out of chocolate such as homes, boats, bridges, skyscrapers and more! We promise this will be the most delicious and enlightening science class you'll ever take.

Edible Science:

Have you ever wondered how things work? Discover, explore, and create our wonderful world through Edible Science! Ever eat slime? Ever create a worm farm out of pudding and gummy worms? Construct the layers of the Earth and claim you have eaten the world! Come join us and learn about Science and then eat what you learned!

Electrical Engineering & Coding

This is an introductory & Intermediate course in coding and basic computer language for secondary students. We will explore the use of the computer languages known as HTML and CSS to aid in the final goal of producing web pages and computer applications from start to finish, using computer language coding. We will explore the world of apps and creating computer games & pro-grams. Students can sign up for one or more weeks to learn many new skills and work on different projects each week

Lego Engineering

Students will be using LEGOs to complete challenges and build stories! They will have time to use their imagination to do some free building as well.

Makerspace Grades

This course is designed to enhance children's thinking skills by having them participate in exciting and stimulating science, technology, engineering, art and mathematics activities. Children will build projects, such as cars that can move themselves, planes that have engines, and boats that move and float, as well as spend time in observation stations and use art materials to record experiences.

Rocketry and Retro-Science

Science is exploratory and exciting! It's about the "Aha!" moments in life, like when you figure out how something works or when you're amazed by the result of an awesome experiment. You will have the opportunity to learn about science through our interactive hands-on science activities that will be sure to spark your imagination! Students will learn about Newton's laws of motion and build rockets to launch!

Storybook STEAM

In this class, you will be working like engineers to create and solve problems from some of your favorite storybooks! We will be going on adventures through stories such as "How I Became a Pirate," "The Three Little Pigs," "Rapunzel," "Horton Hatched the Egg" and "The Most Magnificent Thing." Students will gain important reading skills in fluency, vocabulary, comprehension, and inferential thinking! You will work together to solve the character's problem by creating something. If you love reading and STEAM, this class is for you!!