



# SCOPE Education Services

## Smithtown School District

### For Students in Grades K-5

### November 2022 – January 2023

### 8:20-9:20 AM OR 3:40-4:40 PM

Are you ready to explore with STEAM? These classes are designed to focus on Science, Technology, Engineering, Arts and Mathematics (STEAM) by engaging students using a hands-on approach to learning. This program will provide students with enriching ways to expand their learning while having fun.

**Makerspace & STEAM K-1**  
 Let's create! Makerspaces are collaborative spaces where students can get hands on science and engineering. With an array of materials available, makerspace is an invitation to play with science and engineering and really see how things work.

**Storybooks and Structures 2-3**  
 Read, plan and design structures after listening to a storybook. Students will build all 3 houses for the 3 Little Pigs, design furniture for Little Red Riding Hood, engineer an escape for Rapunzel, make a new bed for Goldilocks and MORE! The characters give children a framework to explore how things work and the work beyond their home.

**Structures and Bridge Challenge 4-5**  
 Work as engineers to design and build a popsicle stick bridge that can withstand 25 pounds. Students will use various materials to create the tallest and strongest structures. Kids will work both individually and cooperatively during the design process.

<b>Accompsett</b>	K-1	Tuesday AM
	2-3	Wednesday PM
	4-5	Wednesday PM
<b>Dogwood</b>	K-1	Tuesday AM
	2-3	Wednesday AM
	4-5	Monday AM
<b>Mills Pond</b>	K-1	Monday AM
	2-3	Wednesday AM
	4-5	Wednesday AM
<b>Mount Pleasant</b>	K-1	Wednesday AM
	2-3	Monday AM
	4-5	Monday AM
<b>Smithtown Elementary</b>	K-1	Wednesday AM
	2-3	Wednesday AM
	4-5	Wednesday AM
<b>St. James</b>	K-1	Wednesday PM
	2-3	Wednesday PM
	4-5	Tuesday AM
<b>Tackan</b>	K-1	Friday AM
	2-3	Wednesday AM
	4-5	Monday AM

**\$195 per 8 week course**

10% additional sibling discount

Register online only at: [scopeonline.ce.eleyo.com](https://scopeonline.ce.eleyo.com)

Registration Deadline: November 13, 2022

Need more information?

Call (631)360-0800 ext.167 or 129

[mhart@smithtown.k12.ny.us](mailto:mhart@smithtown.k12.ny.us)

Session 2 & 3  
 info on back!

# Coming Soon....Sessions 2 & 3!!

## Registration Info to Follow

Grade	Session One (8 Weeks)	Session Two (8 Weeks)	Session Three (8 Weeks)
	11/21 - 1/20	2/6 - 4/14	4/17 - 6/9
K - 1	Makerspace & STEAM	Coding	Ozobots
2 - 3	Storybooks and Structures	Coding & STEAM	Boat & Bridge Engineering
4 - 5	Structures and Bridge Challenge	Transportation and Aeronautics	Extreme STEAM

Grade	Session One (11/21 - 1/20)	Session Two (2/6 - 4/14)	Session Three (4/17 - 6/9)
<b>K - 1</b>	<p><b>Makerspace &amp; STEAM</b> Let's Create!! Makerspaces are collaborative spaces where students can get hands-on with science and engineering. With an array of materials available, makerspace is an invitation to <i>play</i> with science and engineering and really see how things work.</p>	<p><b>Coding</b> Let's Code Together! An introduction to programming where kids create their own interactive stories and games. Children snap together graphical programming blocks to make characters move, jump, dance, and sing. Children can modify characters in the paint editor, add their own voices and sounds, even insert photos of themselves.</p>	<p><b>Ozobots</b> Think Outside the Box with STEAM! Would you like to code a mini BOT using iPads and markers? Can you balance a paper robot? How tall can you build a tower using plastic cups and craft sticks? Join us to explore, create, design and code! <i>Ten</i> weeks of fun filled STEAM activities is just what you need!</p>
<b>2 - 3</b>	<p><b>Storybooks and Structures</b> Read, Plan and Design structures after listening to a storybook. Students will build all 3 houses for the 3 Little Pigs, design Furniture for Little Red Riding Hood, engineer an escape for Rapunzel, make a new bed for Goldilocks and more! The characters give children a framework to explore how things work and the world beyond their home.</p>	<p><b>Coding &amp; STEAM</b> What is the science behind boats and bridges? This class will begin with a Storybook specific to the daily lesson. Then students will engage in creative boat and bridge designs and testing through a variety of challenges. All will be sure to have a blast, so let the engineering begin!</p>	<p><b>Boat &amp; Bridge Engineering</b> Work as engineers to design and build a popsicle stick bridge that can withstand 25 pounds. Students will use various materials to create the tallest and strongest structures. Kids will work both individually and cooperatively during the design process.</p>
<b>4 - 5</b>	<p><b>Structures and Bridge Challenge</b> Work as engineers to design and build a popsicle stick bridge that can withstand 25 pounds. Students will use various materials to create the tallest and strongest structures. Kids will work both individually and cooperatively during the design process.</p>	<p><b>Transportation and Aeronautics</b> What are lift, thrust and drag? These are just a few of the concepts explored in this class that features hands-on engineering of flight. Kids will gain insight into the scientific principles of flight during construction of planes and rocket launchers.</p>	<p><b>Extreme STEAM</b> Do you like to explore and discover new things? If so, join us as we explore the world using interactive experiments that will be sure to spark your imagination. This hands-on class will include activities that incorporate aspects of science, technology, engineering, art and math (STEAM).</p>