

**GST BOCES Regional STEM Initiative  
K-4 Scope and Sequence**

<b><u>GRADE</u></b>	<b><u>CONTENT</u></b>	<b><u>FOSS/EiE MODULE</u></b>
<b>KINDERGARTEN</b>	Physical Science	Materials in Our World
	Engineering	Designing a Paper Table
	Life Science	Animals Two by Two
<b>1ST GRADE</b>	Physical Science	Balance and Motion
	Engineering	Roller Coaster Design
	Earth Science	Pebbles, Sand, and Silt
	Engineering	Building a Wall
<b>2ND GRADE</b>	Earth Science	Air and Weather
	Life Science	Insects
	Physical Science	Solids and Liquids
	Engineering	Finding an Ideal Play Dough Formula
<b>3RD GRADE</b>	Scientific Reasoning	Measurement
	Engineering	Packaging Design
	Earth Science	Water
	Engineering	Using Water for Energy- Water Wheel
	Life Science	Structures of Life
	Engineering	Simple Machines- Potato Chip Factory
<b>4TH GRADE</b>	Physical Science	Magnetism and Electricity
	Engineering	Rocket Design
	Physical Science	Matter and Energy
	Earth Science	Sun, Moon, and Stars
	Engineering	Designing a Moon Lander