

SEABROOK ELEMENTARY SCHOOL SCIENCE CURRICULUM

At Seabrook Elementary School, we believe science is a powerful tool that sparks curiosity and wonder, inspires questions and answers, and helps students apply what they learn.

We are committed to creating a science program that not only fosters the creation of new knowledge but also improves the quality of life for all.

Through our science curriculum, we aim to motivate students to solve problems together, developing the skills and knowledge needed to tackle the complex challenges of the future.



SEABROOK ELEMENTARY SCHOOL

SCIENCE PATHWAY

WE BELIEVE SCIENCE ...

- Sparks curiosity and wonder
- Inspires questions and answers
- Helps students apply what they learn
- Creates new knowledge
- Improves ones quality of life
- Motivates students to solve problems together



- Wonder
- Curiosity
- Observation
- Questioning
- Discovery
- Perseverance
- Flexibility
- Problem-solving



RESOURCES

- [Next Generation Science Standards](#)
- [Mystery Science](#)
- Scholastic *Let's Find Out*
- *Science Spin*
- TrueFlix
- Integrated cross curricular materials/resources



ESSENTIAL QUESTIONS

- ★ Why do we learn science?
- ★ How am I connected to the world around me?
- ★ How does the study of science impact my daily life?
- ★ How has human curiosity impacted the past, present and future?
- ★ How can we use scientific knowledge and skills to better the world around us?



SEABROOK ELEMENTARY SCHOOL SCIENCE PATHWAY

There are three core concepts that guide our Science curriculum: *Earth & Space Science, Life Science and Physical Science.*

	Pre-K	Kindergarten	First Grade	Second Grade	Third Grade	Fourth Grade
Fall	Fall on the Farm	Seasons: Apples/ Pumpkins <i>Earth & Space Science</i>	Sun and Shadows <i>Earth & Space Science</i>	Work of Water <i>Earth & Space Science</i>	Engineering: Egg Drop <i>Physical Science</i> Plant Heredity: Power of Flowers <i>Life Science</i>	The Scientific Method <i>Physical Science</i> Estuaries <i>Life Science</i>
Winter	Bear Unit The Rainforest	Hibernation <i>Life Science</i> Arctic Animals <i>Life Science</i>	Lights and Sounds <i>Physical Science</i>	Material Magic <i>Physical Science</i>	Weather, Climate and Water Cycles <i>Earth & Space Science</i>	Birth of Rocks <i>Earth & Space</i> Maple Sugaring <i>Life Science</i> Energizing Everything: Energy in Motion <i>Physical Science</i>
Spring	Birds, Flowers and Bugs	Insect Classification and Life Cycles <i>Life Science</i>	Animal Superpower <i>Life Science</i>	Plant Adventures <i>Life Science</i>	Rocky Shores <i>Life Science</i>	Human Machines <i>Life Science</i> NH wildlife <i>Life Science</i>

STEM EDUCATION

An educational approach which focuses on integrating one or more of the four disciplines : science, technology, engineering and mathematics. Instructional methods emphasize hands-on, problem solving learning.

