



THE WEATHER IS EVERYWHERE! (PRE-K)

What is your weather like today? Why does the weather matter to us? Join us as we explore the weather outside and create a weather craft to take home!

Science standard: PS3.B; ESS2.D; ESS3.B; P.ESS2-1

ALL ABOUT ANIMALS (PRE-K - 1ST GRADE)

From feet to fins, beaks to mandibles and scales to scutes, we'll explore the animal world. Students will discover the different functions of animal body parts as they participate in animal yoga, meet live animals up close and create a unique animal of their own.

Science standard: P-LS1-2; LS1-A; LS1.D; LS3.A

WHERE DO YOU CALL HOME? (PRE-K -1ST GRADE)

What do animals need to survive? Explore how all animals meet the same basic needs of survival in their own unique ways. Students apply what they have learned in a group habitat design project.

Science standard: LS1.C; LS1.D; LS1.A

WONDERFUL WORLD OF WEATHER (K -3RD GRADE)

Get wild about the weather through games and experiments. Explore seasonal weather changes and experience the water cycle in action.

Science standard: ESS2-1; ESS3-2

MOLECULARIUM (K - 4TH GRADE)

Students will investigate the world of atoms and molecules, and discover the unique qualities of the three states of matter. Additionally, they will be introduced to polymers and create their own to take home with them.

Science standard: PS1.A; 2-PS1-3; 2-PPS1-4; PS1.1

LIFE CYCLES (2ND - 5TH GRADE)

Explore the lifecycles of reptiles, mammals, and insects by meeting a variety of animal species and investigating their differences and similarities. Students compare and contrast complete and incomplete metamorphosis cooperative games and activities.

Science standard: LS1.B; LS3.A; LS3.B

WHAT'S EATING WHAT? (2ND - 5TH GRADE)

Explore the food chains and food webs in the Hudson River. Students will meet predator and prey animals, put together a food chain puzzle, play a game to experience how people and animals interact and brainstorm ways that people can impact the environment in a positive way.

Science standard: LS2.A; 2LS2-2; LS4.D; ETS1.B

RIVER JOURNEY (2ND - 5TH GRADE)

Embark on an ecological journey along our 75-foot living Hudson River exhibit. Students will explore the diversity of organisms and ecosystems that make the Hudson River so unique. Students will synthesize their observations of animal habitats and adaptations to design a unique Hudson River animal.

Science standard: ESS2.C; LS4.D; LS2.C; LS4.2

ELECTRIFYING SCIENCE (3RD - 5TH GRADE)

Come and learn about the basics of electricity. We'll learn about static electricity and circuit electricity, experiment with a Van de Graaf generator and explore conductivity.

Science standard: PS3.A; PS3.B; ESS3-1



READY, SET, REACTION (3RD - 5TH GRADE)

What is a reaction? Students will explore the differences between chemical and physical changes through a variety of hands-on experiments. Students can look forward to spotting the exciting indicators a chemical reaction has occurred, such as fizzing, temperature changes and more!
Science standard: PS3.D; ESS3-1; 5-PS1-4; 5-PS1-2

INVESTIGATIONS IN ENERGY (4TH - 6TH GRADE)

What is energy? How does it work? Join us for this investigation of energy as it transfers from one type to another. We'll also examine energy sources and learn about the alternative energies of the future.

Science standard: ESS3.A; PS3.D; PS3.A; ETS1.A

AMAZING ADAPTATIONS (5TH - 8TH GRADE)

Examine live animals and discover animal adaptations close-up. Students will learn about both physical and behavioral adaptations and how they help animals to survive in many different environments.

Science standard: 4-LS1-1; 4-LS1-2; LS4.D; LS4.C

TURNING THE TIDES (5TH - 8TH GRADE)

Take an in-depth look at the Hudson River watershed and it's ecology through hands-on scientific investigation. Students will investigate streams first hand using appropriate scientific tools to monitor the water's health. During this program, students will learn about and collect data on water quality and the different species of organisms living in the water. (Only available April - October)

Science standard: LS2.A; 5ESS3-1; 5-LS1-1; 5-PS3-1