



Center of the Atom (An Investigation of Protons, Neutrons, Electrons, Elements, and Isotopes) - Students explore atomic structure using a series of hands-on activities which concludes with the discovery of the uses of an atom they create using the Interactive Nucleus display and the Living Periodic Table.

Coral Reef Cleanup - In Coral Reef Cleanup, students will code a virtual Ocean Cleaning Robot in an immersive underwater playground to collect and remove as much trash as possible from the floor of the Mangrove Reef. The Ocean Cleaning Robot's batteries will only last for a few minutes, so students will be challenged to collect as much trash as they can before the batteries on the VR Robot are drained.

Cosmic Colors - Cosmic Colors will take you on a wondrous journey across the electromagnetic spectrum. Discover the many reasons for color – like why the sky is blue and why Mars is red. Take a tour within a plant leaf and journey inside the human eye. Investigate x-rays at your doctor's office and at a monstrous black hole. Get ready for an amazing adventure under a rainbow of cosmic light!

Do You See, What I See? - Students will explore ways that light can be reflected, refracted, diffracted, and absorbed by various objects. They will also investigate how the eye converts light into images.

Dodo Does Math - Students will learn how to write real code while completing various math challenges including measurement, addition, subtraction, and computational thinking to help a dodo find her missing eggs!

Energy Transformations - Students will build and power circuits using different energy sources such as chemical, mechanical and thermal. Explore the benefits of solar panels and learn how clean energy is the way of the future!

Habitat Earth - Dive below the ocean's surface and travel beneath the forest floor to explore how living organisms are interconnected to support life forms both large and small. From the tiniest microbe to the tallest tree, Habitat Earth utilizes stunning images to show students how the biological world is carefully intersected with human and ecological networks.

Magic Treehouse Space Mission (Planetarium) - Based on the beloved Magic Tree House book series, Magic Tree House Space Mission launches the intrepid Jack and Annie on a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

Magnets and Motions - Students will predict, sort, test and classify objects as magnetic or non-magnetic. Using toys and fun hands-on activities, students will investigate properties of magnetism and demonstrate how the poles of magnets attract and repel. Made possible with the support from the Generac Foundation.

Mars Math Expedition - Students will code their Competition Advanced Hero Bot to complete a series of tasks to earn points in the Mars Math Expedition competition. The Playground features twelve different tasks that can be completed to earn points. Students must choose tasks strategically to earn the most points possible in one minute.



Meet the Elements - Students “meet the elements” in a fun music video; then work together to classify materials as elements, compounds and mixtures. They will build atomic models and discover why compounds are either ionic or covalent.

One World, One Sky - Learn about the night sky with the cast from Sesame Street. Join Big Bird, Elmo and their friend from China, Hu Hu Zhu, on a journey to discover what it means to share one sky as we learn about the Big Dipper, the North Star, the Sun and the Moon.

Rover Rescue - A new planet has been discovered! Sadly, the rover sent was attacked by an alien creature. You are the best hope the crew has for keeping the mission going! As the coder is tasked with the rover’s survival, you must code the rover to explore the planet and collect mineral samples until the rest of the crew can return with the equipment needed to neutralize the hostile environment.

Push Me, Pull Me - Students will experiment with force and motion using toys including marble towers, gears, ramps, and dominoes. They will collect, analyze, and interpret data from observations and measurements as they investigate motion, gravity, and friction.

Seven Wonders - Turn back the pages of time and witness the ancient wonders of the world, as they appeared thousands of years ago. Explore the Great Pyramid, stand in the shadow of the towering Colossus and experience the rest of the world’s Seven Wonders. We will investigate the theories of how these wonders were created and get a glimpse of some of the universe’s greatest wonders.

Staying Alive! - What adaptations help animals to stay alive in their habitat? Students will answer this question as we observe live animals including an owl, alligator, turtle, frog and salamander and learn all about animal adaptations by participating in hands-on stations.

Sun and Shadows - Students will conduct investigations that help them discover how the Sun appears to move, how shadows change over time, and how the angle at which light shines changes the brightness and spread of the light.

The Weather - Join us on a journey to connect children to the weather around them and encourage them to use their senses to observe weather. Learn basic cloud types, their association with specific weather conditions, and the concept of weather forecasting. The Weather introduces basic terms used to describe weather conditions, and the instruments used to study and measure weather. Children follow a drop of water through the entire water cycle.

Weather and Climate - Students will participate in hands-on activities and data collection to get a better understanding of the interactions within Earth’s systems that regulate weather and climate.

What’s the Matter? - Students will investigate three states of matter: solid, liquid, and gas. They will observe, describe, and compare physical properties of solids and liquids. They will also explore mixtures and solutions.