Outreach Title	Description	SOL
Scientist Senses	Exploration using the 5 senses! Students will investigate the physical properties of an object just like a scientist.	ELDS: APL1.1; APL1.2; HPD1.1 SOL: K.1; K.5
Mix It Up	What will happen when different substances and colors are combined? Students will conduct simple experiments to observe the results.	ELDS: APL1.1, APL1.2, CD1.2
Float Your Boat	What will sink and what will float? Explore water's properties and how it interacts with different objects and materials.	ELDS: APL1.1, APL1.2, CD1.1, CD1.2
Molecules in Motion	Help bring water molecules up to size...student size! Students will simulate water molecules in each physical state and learn about the Earth's most precious resource.	K.1; K.4
Grow A Shadow	Round and Round we go… Explore how the Sun's movement across our sky can make shadows grow or shrink!	K.1; K.8; K.9
Mission: Earth's Position	Tilt and whirl! Why does our planet rotate on an axis and how does this affect our daily lives? Explore the patterns this planetary tilt causes and why it happens.	1.1; 1.6; 1.7
Good Vibes Only	You're invited to the party! The energy party! Investigate sound, light and heat waves.	1.1; 1.2; 5.1; 5.2; 5.5; 5.6
What's the Matter?	Solids, Liquids and gases, oh my! Learn about the states of matter and what is needed to change from one state to another.	2.1; 2.3

Creature Feature 1: Physical Adaptations	Which features help Earth's creatures survive? Take an up close and personal look at the various adaptations animals utilize.	2.1; 2.4; 2.5; 3.1; 3.4; 3.5
Storm Chasers	Do you have what it takes to go into the eye of the storm? Investigate the tools of the trade and what is needed to collect storm data.	2.1; 2.6; 2.7
Magnet Mania	Explore the force of magnets and how they push and pull through experimentation.	2.1; 2.2
The Incredible Journey	Where will the water we use today end up tomorrow? Students step into the world of water molecules to explore the water cycle, getting an up close view of each molecule's journey.	3.1; 3.7
Keep It Simple with Simple Machines	What do force, motion and energy have to do with gettin' it done? Explore the simple machines that make our work possible.	3.1; 3.2
Creature Features 2	Are these animals behaving funny?! Take a deeper look into the behavioral adaptations of animals near and far.	3.1; 3.4; 3.5
Journey to Outer Space	Travel to the depths of outer space and discover the features of our solar system and what they tell us about our own planet.	4.1; 4.5; 4.6
A Light Snack	Lights! CO2! Energy? Join us on this deep dive into the world of photosynthesis. Students will perform hands-on experiments to see plants in action as well as learning how they use sunlight, CO2 and water to create sugars and oxygen.	4.1; 4.2
Seed Science	Take an inside peek at the life of a seed before their grand entrance into our world.	4.1; 4.2

Current Events	What keeps our oceans in motion? Investigate how temperature, density and wind move our oceans and how those currents impact our land masses and our climate.	4.1; 4.7
Magic Magma	Why does magma matter? Investigate how magma creates new land masses, provides renewable energy and how it propels our tectonic plates.	5.1; 5.8
Squishy Circuits	Open or closed? Students will explore circuits and various insulators and conductors and how they affect the circuit.	5.1; 5.2; 5.4
Into the Abyss	How does the Sun's light affect the ocean? Students will investigate how the Sun's heat travels through the different ocean zones and impacts the plants and animals living in each zone.	5.1; 5.6
When Objects Collide	Friction, momentum, kinetic *and* potential energy! Explore the different forces at play on interfering objects in the world.	5.1; 5.2; 5.3