



## 3rd Grade Stations

Station (required)	Description	Standards
<b>Be the Biologist: Field Investigations</b>	Explore our estuary through the eyes of a scientist! While experiencing scientific methods of field work, students will learn about the impact water quality has on this important and fragile ecosystem.	<b>SC.3.N.1.1</b> Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations. (DOK 3) <b>SC.3.N.1.7</b> Explain that empirical evidence is information, such as observations or measurements, that is used to help validate explanations of natural phenomena. (DOK 3)
<b>Marine Biodiversity</b>	What's that?! In addition to meeting our animal ambassadors, this station offers students a peek into an entirely different world - what's in the sea that we cannot see!	<b>SC.3.L.15.1</b> Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates and invertebrates, those having live births and those which lay eggs) according to their physical characteristics and behaviors. (DOK 2) <b>SC.3.L.17.2</b> Recognize that plants use energy from the Sun, air, and water to make their own food. (DOK 1)
Station (teacher selects 2)	Description	Standards
<b>Sand Sleuths</b>	Uncover the secret world of sand! From getting to observe sand from all over the world under the microscope to getting to solve a mystery "crime" case that hinges on sand, a whole new appreciation for sand will unfold in this dynamic session.	<b>SC.3.P.8.3</b> Compare materials and objects according to properties such as size, shape, color, texture, and hardness. (DOK 2) <b>SC.3.N.1.6</b> Infer based on observation. (DOK 3)
<b>Plankton Power</b>	Some of the most important living things on this planet are plankton, and many of them are super tiny! Get to identify real live plankton under the microscope and learn about how these small but powerful creatures live in the ocean.	<b>SC.3.L.17.2</b> Recognize that plants use energy from the Sun, air, and water to make their own food. (DOK 1) <b>SC.3.L.15.1</b> Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates and invertebrates, those having live births and those which lay eggs) according to their physical characteristics and behaviors. (DOK 2)
<b>Birds-eye View</b>	This station is for the birds! Grab your binoculars and observe our local bird populations and learn about their coastal adaptations - from feeding behavior to feather structure. Compare and contrast real bird skulls and participate in an exciting feeding frenzy!	<b>SC.3.N.1.6</b> Infer based on observation. (DOK 3) <b>SC.3.N.3.2</b> Recognize that scientists use models to help understand and explain how things work. (DOK 1) <b>SC.3.L.15.1</b> Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates and invertebrates, those having live births and those which lay eggs) according to their physical characteristics and behaviors. (DOK 2)
<b>Deep Sea Adaptations/ Things That Glow</b>	Take a dive down into the deep in our deep sea room! Experience a simulation of how colors appear down in the deep, and learn what that means for sea creatures. From glowing jellyfish to shrimp that shoot glowy goo, and from deep sea exploration technology to pressure, this is one experience that goes DEEP!	<b>SC.35.CS-CS.1.1</b> Identify the concepts illustrated by a simulation (e.g., ecosystem, predator/prey, and invasive species). <b>SC.3.P.10.4</b> Demonstrate that light can be reflected, refracted, and absorbed. (DOK 2)
<b>Sea Turtle Nest Relocation Activity</b>	Help your sea turtle team relocate a sea turtle nest so the hatchlings have a better chance to survive! Students will collect data and learn about sea turtles.	<b>SC.3.N.1.1</b> Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations. (DOK 3) <b>SC.4.L.17.4</b> Recognize ways plants and animals, including humans, can impact the environment.
<b>STEM Challenge: Oil Spill Cleanup</b>	Through a hands-on simulation, see what it takes to clean up one of nature's most deadly hazards: oil spills.	<b>SC.35.CS-CS.1.2</b> Describe how models and simulations can be used to solve real-world issues in science and engineering. <b>SC.4.L.17.4</b> Recognize ways plants and animals, including humans, can impact the environment.