

Discovery Labs & Demos

GRADES K - 2

FCAT Standards

Discovery Lab Programs Grades K - 2

Big Ideas Soapy Solids, Liquids and Gases

- 1: The Practice of Science
- 8: Properties of Matter
- 9: Changes in Matter

Soapy Solids, Liquids and Gases

This hands-on slippery science lab will cover the states of matter and some very unique properties of water that make it one of the most interesting molecules on earth.

Match with IMAX® film: [Forces Of Nature](#)

Big Ideas Cosmic Neighbors

- 5: Earth in Space in Time
- 6: Earth Structures
- 7: Earth Systems and Patterns

Cosmic Neighbors

Ever wonder how fast the moon spins or how the sun's gravity controls our solar system? This lab will allow students to discover how the forces of nature behave in the universe.

Match with IMAX® film: [Hubble 3D](#), [Magnificent Desolation 3D](#)

Big Ideas Animal Adaptations

- 14: Organization and Development of Living Organisms
- 15: Diversity and Evolution of Living Organisms
- 16: Heredity and Reproduction
- 17: Interdependence

Animal Adaptations

Falcons couldn't fly up to 125 mph and frogs couldn't jump 20 times their body length without some awesome adaptations. Students will discover just what it takes to survive in the animal kingdom.

Match with IMAX® films: [Sea Monsters 3D](#), [Sea Rex 3D](#), [Under The Sea 3D](#), [Wild Ocean 3D](#), [Wild Safari 3D](#), [African Adventure 3D](#), [Dinosaurs: Giants of Patagonia 3D](#), [Galapagos 3D](#)

FCAT Standards

Live Demonstrations

Grades K - 2

Big Ideas Slither, Crawl and Swim

- 14: Organization and Development of Living Organisms
- 15: Diversity and Evolution of Living Organisms
- 16: Heredity and Reproduction
- 17: Interdependence

Slither, Crawl and Swim

Get the class together and meet some of the Museum's resident animal ambassadors. Students will be amazed at the animals' behaviors, features and adaptations. And don't miss our new river otters!

Match with IMAX® films: [Under The Sea 3D](#), [Born To Be Wild 3D](#), [Wild Ocean 3D](#), [Wild Safari 3D](#), [African Adventure 3D](#)

Big Ideas The Dirt on Dinosaurs

- 1: The Practice of Science
- 3: The Role of Theories, Laws Hypotheses, and Models
- 14: Organization and Development of Living Organisms
- 15: Diversity and Evolution of Living Organisms

The Dirt on Dinosaurs

Have a blast in the past and check out this dinosaur demo. We will dig deep into the types of dinosaurs, how they lived and just how big these behemoths could grow. Don't forget to visit the new Prehistoric Florida exhibit!

Match with the IMAX® films: [Dinosaurs: Giants of Patagonia 3D](#), [Sea Rex 3D](#)

Big Ideas Get Down with Gravity

- 2: The Characteristics of Scientific Knowledge
- 3: The Role of Theories, Laws, Hypotheses, and Models
- 12: Motion of Objects
- 13: Forces and Changes in Motion

Get Down with Gravity

What goes up, usually comes down! This demo will be all about gravity and other forces that we experience in our daily lives. Become an expert on Newton's Law.

Match with IMAX® film: [Hubble 3D](#)