

FCAT Standards

Discovery Lab Programs

Grades 6 - 8

The Secret Life of Microbes

Big Idea 1: The Practice of Science
Big Idea 14: Organization and Development of Living Organisms

The Secret Life of Microbes

Microbes are tiny unseen bacteria, viruses, fungi and protozoa, and they exist unnoticed by the naked eye. Find out what microscopic life lurks in a drop of water and learn to use a microscope to spy on this invisible world.

Match with IMAX® film - *Under The Sea 3D*

The Science of Art

Big Idea 1: The Practice of Science
Big Idea 2: The Characteristics of Scientific Knowledge
Supporting Idea 4: Geometry and Measurement
Supporting Idea 6: Data Analysis

The Science of Art

Distorted images are revealed with a "magic mirror" and codes can be cracked with the secrets of science. Students can create anamorphic art using mathematical grids and the knowledge of reflected light.

Match with Exhibit - *Runways to Rockets: Our Place In Aerospace*

FCAT Standards

Live Demonstrations

Grades 6 - 8

The Dating Game

Big Idea 5: Earth Structures
Big Idea 9: Changes in Matter
Big Idea 11: Energy Transfer and Transformations

The Dating Game

How do scientists know how old things really are? Learn about the tools that paleontologists use to date ancient objects and events. Students can actually see and understand the nature of radioactivity.

Match with IMAX® films: *Mummies: Secrets of the Pharaohs*, and *Sea Monsters 3D*

Living Without Light: Creatures of the Deep

Big Idea 15: Diversity and Evolution of Living Organisms

Living Without Light: Creatures of the Deep

Did you know that Vampire Squid emit shimmering goo to escape sticky situations, and Dragon Fish glow to attract prey? In this interactive demonstration, learn how sea creatures use bioluminescent abilities to get in and out of dangerous conditions.

Match with IMAX® films: *Under The Sea 3D*, *Sea Monsters 3D*

Shock It To Me!

Big Idea 10: Forms of Energy
Big Idea 13: Forces and Changes in Motion

Shock It To Me!

How do we generate electricity? What causes lightning? Watch as our Van de Graaff generator and Tesla coil help students understand electricity.

Climate in Jeopardy!

Big Idea 7: Earth Systems and Patterns
Big Idea 10: Forms of Energy



Climate in Jeopardy!

Learn how global warming occurs and how it affects our lives. Test your students' knowledge of Climate Change in a exciting new game show. The quiz covers the greenhouse effect, how climate disruption affects global change, the causes of global warming and alternate energy solutions.

Match with IMAX® films: *Antarctica*, *Forces of Nature*, *Wild Ocean 3D*, and *Under The Sea 3D*