



LAFAYETTE SCIENCE MUSEUM

PLANETARIUM SHOWS FOR SCHOOL GROUPS

We are pleased to offer your students the unforgettable experience of a planetarium show under our new state-of-the-art dome. Programs begin at 9:10 a.m., 10:10 a.m., 11:10 a.m., and 12:10 a.m., and last 50 minutes. The planetarium has seating for 80 students with teachers.

The Sky Tonight (Grades K through 12)

See the sky as it will be on the night of your visit! Students will learn the stars, constellations, and planets which will be visible that evening.

Addresses the following parts of the Common Core Curriculum Map depending on sky conditions on the night of your visit:

K) Social Studies Focus: Learning to be Good Citizens in our Community; Science Focus: Sorting and Constructing Patterns; Science Focus: Earth & Sky

Gr. 2) Science Focus: Earth & Beyond; Social Studies Focus: Our Community and Its Physical Environment

Gr. 3) Social Studies Focus: Louisiana's Geography; Science Focus: The Solar System

Gr. 4) Science Benchmark 2: Earth & Space Science

Gr. 5) American History, Block 1: America's First People; Benchmark 4: Earth & Space Science.

Space: A Place (Grades 1 through 2)

An introduction to space flight for younger students. Large 1/50th scale 2-D rockets will help students understand the size of space vehicles, while models will help them understand how the rockets work.

Addresses the following parts of the Common Core Curriculum Map:

Gr. 1) Social Studies Focus 4: How Maps Help Us; Strand—Science as Inquiry

Gr. 2) Science Focus: Earth & Beyond; Social Studies Focus: Our Community and Its Physical Environment; Social Studies Focus: Our Community & Its Economy.

Sun, Moon, & Stars (Grades 3 & 4)

Learn the reasons for the seasons as well as how the movements of Earth affect where we see the sun and what we see in the night sky from month to month. Discover the moon's phases, and find out how they happen through a kinetic activity. Students will also learn how to observe these phenomena safely in the real sky.

Addresses the following parts of the Common Core Curriculum Map:

Gr. 3: Social Studies Focus: Louisiana's Geography; Science Focus: Measuring and Describing Matter; Science Focus: The Solar System

Gr. 4) Space: ESS-64, ESS-67, ESS-68

Exploring the Planets (Grades 4 through 8)

Offers a close up look at each planet of our solar system and many of the larger moons. NASA images provide the most up-to-date viewing possible.

Addresses the following parts of the Common Core Curriculum Map:

Gr. 4) Space: ESS-66, ESS-69

Gr.5) Technology & the Work of Scientists: I-SI-40; Science as Inquiry ES-42, ES-44, ES-43, ES-45, ES-47

Gr. 8) Inside Earth & Geologic Time: ES-48

Finding Your Star (Grades 4 through 8)

Students learn how to use star maps in this highly interactive presentation. Your class will be divided into groups. Groups will be assigned a constellation to find using their star maps, and then will be given an opportunity to point out their findings to the other groups in the class. Available only for groups of 30 students or fewer.

Addresses the following parts of the Common Core Curriculum Map depending on sky conditions on the night of your visit:

Gr. 4) Map Skills: Examining the United States' Place in the World, Geographic and Cultural Characteristics of Regions and Historical Perspective

Gr. 5) Block One America's First People, Focus on Geography Skills; Benchmark 4: Earth & Space Science, ES-40, ES-41

Rockets and Spacecraft (Grades 3 through 8)

This popular program looks at the history of space flight, how rockets work, and common misconceptions about space. Models of the Saturn V and Space Shuttle help students understand the Apollo moon flights and how the Shuttle worked.

Addresses the following parts of the Common Core Curriculum Map:

Gr. 3) Social Studies Focus: Louisiana's Riches; Science Focus: Forces & Motion

Gr. 4) United States, Block 2: The Movement of Ideas: Scientific Contributions/Culture History/Goods & Resources–Economics; Space: ESS-69

Gr. 5) Science as Inquiry: ES-47

Gr. 8) Inside Earth & Geologic Time: ES-48; May the Force be With You: ES-39

Fingerprinting the Stars (Grades 8 through 12)

Based on modern spectroscopy, the heart of modern astronomy, during the program students use diffraction gratings to observe the spectra of various gas discharge tubes and then learn how astronomers use similar observations to understand the Universe.

Addresses the following parts of the Common Core Curriculum Map:

Gr. 8) Inside Earth & Geologic Time: ES-48; May the Force be With You: ES-37

Visit the museum web site at www.lafayettesciencemuseum.org and look for the Lafayette Science Museum Fan Page on Facebook!