



McAuliffe-Shepard
Discovery Center

explore
discover



National
Standards

be inspired



*New England's premier air and space science center • www.starhop.com
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Exhibit & Description

Redstone Rocket Plaza

The Redstone Plaza will feature a full-sized replica of a Mercury-Redstone rocket. The interactive exhibit around it tells the story of New Hampshire hero Alan Shepard and his historical flight as the first American in space on May 5, 1961.

Tribute to Two NH Heroes

Biographical information about Alan Shepard and Christa McAuliffe.

National Standards Related to STEM

Unifying Concepts and Processes

Evidence, models, and explanation
Form and function

Science as Inquiry

Understandings about scientific inquiry

Physical Science

Motions and forces

Science and Technology

Abilities of technological design
Understandings about science and technology

Science in Personal and Social Perspectives

Risks and benefits

History and Nature of Science

Science as a human endeavor
History of science

Technology - Digital Citizenship

Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity

MATH - Problem Solving

Solve problems that arise in mathematics and in other contexts
Apply and adapt a variety of appropriate strategies to solve problems

Science and Technology

Understanding about science and technology

History and Nature of Science

Science as a human endeavor
Nature of scientific knowledge
Historical perspectives

Exhibit & Description

Space Shuttle Model

Large scale model of the space shuttle with external fuel tank and solid rocket boosters.

Imaging Our Universe

From digital imaging to detecting radiation left over from the birth of the universe – telescopes, satellites, space probes, and rovers are helping us answer questions about our solar system and beyond.

Getting the Big Picture of Earth

Learn about satellite observations that get a global look at processes and cycles and how they change and evolve over time.

National Standards Related to STEM

Physical Science

Motions and forces

Science and Technology

Abilities of technological design

Understandings about science and technology

Science in Personal and Social Perspectives

Risks and benefits

Science and technology in society

History and Nature of Science

Science as human endeavor

History of science

Technology – Operations and Concepts

Understand and use technology systems

Unifying Concepts and Processes

Change, constancy, and measurement

Earth and Space Science

Changes in Earth and Sky

Origin and evolution of the Earth system

Science and Technology

Abilities of technological design

Understandings about science and technology

Science in Personal and Social Perspectives

Natural and human-induced hazards

Science and technology in local, national, and global challenges

Changes in environments

Environmental quality

Math – Algebra

Analyze change in various contexts

Unifying Concepts and Processes

Change, constancy, and measurement

Earth and Space Science

Changes in Earth and Sky

Origin and evolution of the Earth system

Science and Technology

Abilities of technological design

Understandings about science and technology

Science in Personal and Social Perspectives

Natural and human-induced hazards

Science and technology in local, national, and global challenges

Changes in environments

Environmental quality

Math – Algebra

Analyze change in various contexts

Exhibit & Description

Comparing Earth to Other Planets & Moons

Learn how other planets and moons give us clues to how the solar system formed as well as a more complete understanding of Earth.

Studying the Atmosphere from Space

Take a look at how satellites monitor weather and climate on Earth, and how satellites monitor conditions on the Sun that impact our planet.

Expedition to Mars

Plan an expedition to Mars and see if you've got what it takes to go to the Red Planet.

National Standards Related to STEM

Unifying Concepts and Processes

Systems, order, and organization

Physical Science

Chemical reactions

Interactions of energy and matter

Earth and Space Science

Properties of Earth minerals

Earth in the solar system

Origin and evolution of the Earth system

Science and Technology

Abilities of technological design

Understandings about science and technology

Technology – Creativity and Innovation

Identify trends and forecast possibilities

Math – Algebra

Understand patterns, relations, and functions

Unifying Concepts and Processes

Systems, order, and organization

Physical Science

Motions and forces

Earth and Space Science

Objects in the sky

Changes in Earth and sky

Energy in the Earth system

Earth in the solar system

Science and Technology

Abilities of technological design

Understandings about science and technology

Science in Personal and Social Perspectives

Science and technology in local challenges

Unifying Concepts and Processes

Systems, order, and organization

Earth & Space Science Standards

Origin and evolution of the universe

Science and Technology

Understandings about science and technology

History and Nature of Science

Science as a human endeavor

MATH – Data Analysis & Probability

Select and use appropriate statistical methods to analyze data

Develop and evaluate inferences and predictions that are based on data

Exhibit & Description

Be a Weather Person

Using Chroma-Key technology, play the role of a television weather forecaster.

National Standards Related to STEM

Unifying Concepts and Processes

Systems, order, and organization

Change, constancy, and measurement

Physical Science Standards

Motions and forces

Interactions of energy and matter

Earth & Space Science Standards

Changes in earth and sky

Energy in the earth system

Technology - Communication and Collaboration

Communicate information and ideas effectively to multiple audiences using a variety of media and formats

Technology - Operations and Concepts

Understand and use technology systems

MATH - Measurement

Apply appropriate techniques, tools, and formulas to determine measurements.

MATH - Data Analysis & Probability

Select and use appropriate statistical methods to analyze data

Develop and evaluate inferences and predictions that are based on data

Understand and apply basic concepts of probability