



CHILDREN'S MUSEUM OF SOUTH CAROLINA EDUCATIONAL PROGRAMS CORRELATION TO THE NORTH CAROLINA SCIENCE AND MATH CURRICULUM STANDARDS BY GRADE

PROGRAMS for KINDERGARTEN

Shaping Up!

Mathematics Standards Addressed:

Goal 2: Measurement-The learner will explore concepts of measurements.

Objective 2.01

Compare attributes of two objects using appropriate vocabulary (color, weight, height, width, length, texture).

Goal 5: Algebra-The learner will model simple patterns and sort objectives.

Objective 5.01

Sort and classify objects by one attribute.

Shoes for S.A.M.

Mathematics Standards Addressed:

Goal 2: Measurement-The learner will use non-standard units of measure and tell time.

Objective 2.01

For given objects:

- Select and attribute (length, capacity, mass) to measure (non-standard units).
- Develop strategies to estimate size.
- Compare, using appropriate language, with respect to the attribute selected.

Goal 5: Algebra-The learner will demonstrate an understanding of classification and patterning.

Objective 5.01

Sort and classify objects by two attributes.

PROGRAMS for FIRST GRADE

Soliquid!

Science Standards Addressed:

Goal 3: The learner will make observations and conduct investigations to build an understanding of the properties and relationship of objects.

Objective 3.01

Describe the difference in the properties of solids and liquids.

Objective 3.02

Investigate several ways in which objects can be described, sorted or classified.

Objective 3.03

Classify solids according to their properties:

- Color.
- Texture.
- Shape (ability to roll or stack).
- Ability to float or sink in water.

To Flow or Not To Flow?

Science Standards Addressed:

Goal 3: The learner will make observations and conduct investigations to build an understanding of the properties and relationship of objects.

Objective 3.04

Determine the properties of liquids:

- Color.
- Ability to float or sink in water.
- Tendency to flow.

Objective 3.05

Observe mixtures including:

- Solids with solids.
- Liquids with liquids.
- Solids with liquids.

Better Butter

Science Standards Addressed:

Goal 3: The learner will make observations and conduct investigations to build an understanding of the properties and relationship of objects.

Objective 3.05

Observe mixtures including:

- Solids with solids.
- Liquids with liquids.
- Solids with liquids.

Floaters and Sinkers

Science Standards Addressed:

Goal 3: The learner will make observations and conduct investigations to build an understanding of the properties and relationship of objects.

Objective 3.02

Investigate several ways in which objects can be described, sorted or classified.

Objective 3.03

Classify solids according to their properties:

- Color.
- Texture.
- Shape (ability to roll or stack).
- Ability to float or sink in water.

PROGRAMS for SECOND GRADE

Do You Hear Something?

Science Standards Addressed:

Goal 4: The learner will conduct investigations and use appropriate technology to build an understanding of the concepts of sound.

Objective 4.01

Demonstrate how sound is produced by vibrating objects and vibrating columns of air.

Objective 4.02

Show how the frequency can be changed by altering the rate of vibration.

Objective 4.03

Show how the frequency can be changed by altering the size and shape of a variety of instruments.

PROGRAMS for THIRD GRADE

Digitalis Planetarium

Science Standards Addressed:

Goal 3: The learner will make observations and use appropriate technology to build an understanding of the earth/moon/sun system.

Objective 3.01

Observe that light travels in a straight line until it strikes an object and is reflected and/or absorbed.

Objective 3.02

Observe that objects in the sky have patterns of movement including:

- Sun.
- Moon.
- Stars.

Objective 3.03

Using shadows, follow and record the apparent movement of the sun in the sky during the day.

Objective 3.04

Use appropriate tools to make observation of the moon.

Objective 3.05

Observe and record the change in the apparent shape of the moon from day to day over several months and describe the pattern of changes.

Objective 3.06

Observe the patterns of stars in the sky stay the same, although they appear to move across the sky nightly.

PROGRAMS for FOURTH GRADE

What's In My Rock?

Science Standards Addressed:

Goal 2: The learner will conduct investigations and use appropriate technology to build an understanding of the composition and uses of rocks and minerals.

Objective 2.01

Describe and evaluate the properties of several minerals.

Objective 2.03

Explain how rocks are composed of minerals.

Objective 2.04

Show that different rocks have different properties.

Objective 2.05

Discuss and communicate the uses of rocks and minerals.

PROGRAMS for FIFTH GRADE

Weather Watchers

Science Standards Addressed:

Goal 3: The learner will conduct investigations and use appropriate technology to build an understanding of weather and climate.

Objective 3.02

Discuss and determine how the following are affected by predictable patterns of weather:

- Temperature
- Wind direction and speed
- Precipitation
- Cloud cover
- Air pressure

Objective 3.04

Explain how global atmospheric patterns affect local weather.

Measuring With Grow Creatures

Mathematics Standards Addressed:

Goal 2: Measurement-The learner will recognize and use standard units of metric and customary measurement.

Objective 2.01

Estimate the measure of an object in one system given the measure of that object in another system.