

The Cape Canaveral Lighthouse

In 1848 the Cape Canaveral Lighthouse was constructed. It used 15 whale oil lamps to help produce light but mariners complained that the light was too dim. In 1868 a First Order Revolving Fresnel Lens was installed but the lens was fragile and had to be protected from the strong Florida sun. In 1885 the lighthouse used kerosene and in 1920 it went to electricity. From 1892 through 1894 the lighthouse had to be moved one mile inland due to erosion.

Objectives:

Third Grade:

Understand what type of energy the lighthouse exhibits.

Describe if the exhibit is about history, geography, or both and why.

Record the different sources the lighthouse used for light.

Solve addition facts with sums to 18 and related subtraction one-digit fact families.

Science:

SC.3.P.10.1 Identify some basic forms of energy such as light, heat, sound, electrical, and mechanical.

SC.3.P.10.In.a Recognize forms of energy, such as light, heat, electrical, and energy of motion.

SC.3.P.10.In.b Recognize examples of the use of energy, such as electrical (radio, freezer) and energy of motion (bowling, wind).

SC.3.P.10.In.c Identify that light may come from different sources, such as the Sun or electric lamp.

What type of energy does the lighthouse exhibit?

Social Studies:

SS.3.A.1.3 Define terms related to the social sciences.

SS.3.A.1.Su.c Recognize that history is about events from the past and geography is about places.

Does the exhibit about the Cape Canaveral Lighthouse discuss history, geography, or both and why?

Reading and Language Arts:

LA.3.4.2.2 The student will record information (e.g., observations, notes, lists, charts, map labels, legends) related to a topic, including visual aids as appropriate;

While viewing the Cape Canaveral Lighthouse exhibit record the different sources of light the lighthouse used over time.

Mathematics:

MA.3.A.1.In.b Solve addition facts with sums to 18 and related subtraction one-digit fact families using the formal algorithm with numerals and signs (+, -, =).

$$12 \text{ boats} + 5 \text{ boats} =$$

$$8 \text{ boats} - 7 \text{ boats} =$$

$$7 \text{ boats} - 2 \text{ boats} =$$

$$13 \text{ boats} + 3 \text{ boats} =$$

$$2 \text{ boats} + 7 \text{ boats} =$$