

# 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:

### Fourth Grade:

Describe the type of energy the lighthouse uses.

Describe how technological advances have affected the lighthouse.

Tell the story of the lighthouse through a picture with dictated words or phrases.

Understand how to find the area of a rectangle using the base x height = area formula.

### Science:

SC.4.P.10.1 Observe and describe some basic forms of energy, including light, heat, sound, electrical, and the energy of motion.

Observe and describe the form of energy the lighthouse exhibits.

### Social Studies:

SS.4.A.4.1 Explain the effects of technological advances on Florida.

How did technological advances affect the Cape Canaveral Lighthouse?

### Reading and Language Arts:

LA.4.4.1.Su.a Produce narratives by creating pictures that tell a story about familiar persons, objects, or events with dictated phrases or sentences.

Tell the story of the lighthouse through pictures with dictated phrases or sentences.

### Mathematics:

MA.4.G.3.2 Justify the formula for the area of the rectangle "area = base x height".

Imagine that a lighthouse sits on a square piece of land with the given dimensions, what is the area of the land?

