

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:

Sixth Grade:

Understand what erosion is and why it resulted in the lighthouse having to be moved.
Use a map's scale to estimate the distance between your hometown and the lighthouse.
Create a narrative about the lighthouse that includes a main idea, characters, and pictures.
Compare and order decimals and find their approximate location on a number line.

Science:

SC.6.E.6.1 Describe and give examples of ways in which Earth's surface is built up and torn down by physical and chemical weathering, erosion, and deposition.

The lighthouse had to be moved from 1892-1894 due to erosion. What is erosion? Why did erosion result in the lighthouse being moved?

Social Studies:

SS.6.G.1. 5 Use scale, cardinal, and intermediate directions, and estimation of distances between places on current and ancient maps of the world.

Use a map's scale to estimate the distance between your hometown and the Cape Canaveral Lighthouse.

Reading and Language Arts:

LA.6.4.1.Su.a Write narratives about persons, objects, and events that include a main idea and characters by creating stories supported by pictures.

Create a narrative about the lighthouse that includes a main idea, characters, and is supported by pictures.

Mathematics:

MA.6.A.5.2 Compare and order fractions, decimals, and percents, including finding their approximate location on a number line.

Imagine that you have boats that are being guided by the lighthouse and each boat is a different distance from the lighthouse

- A.) 26.1 miles
- B.) 14.4 miles
- C.) 13.2 miles

- D.) 6.1 miles
- E.) 5.2 miles
- F.) 1.1 miles
- G.) 11.4 miles

Draw a number line and place the boats in the appropriate spots based on length.