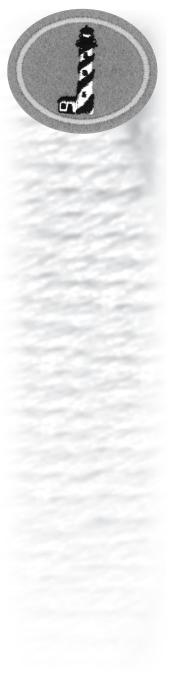
Lighthouses

- 1. Describe the following in detail concerning lighthouses:
 - **a.** What is the function of a lighthouse?
 - **b.** When were the first lighthouses on record built?
 - **c.** What is the name of the most famous ancient lighthouse?
 - **d.** What are people called who study lighthouses? Why?
 - **e.** Do all lighthouses have keepers? If not, how are they run?
- **2.** Research the structure and function of Fresnel lenses. Explain what makes these lenses so effective.
- **3.** Throughout history, what fuels were used for lighthouse lights?
- **4.** Are all lighthouses located along ocean shores? If not, list other locations where you would find a lighthouse.
- **5.** What is the lighthouse service called in your country? What organization or branch of government is responsible for maintaining lighthouses in your country?
- **6.** When a lighthouse is a visible landmark seen from the ocean during the day it can be identified by certain markings. What are these called?
- 7. What is a foghorn? Why would one be used at a lighthouse? What are three things that affect how far away a foghorn can be heard?
- **8.** Since lighthouses are often called "lights", explore the concept of "lights" in scripture by doing the following:
 - **a.** Look in the Bible Concordance to find "lights" and discuss lights as referred to in the Bible.
 - **b.** Explain why you think God's word is like a lighthouse.
 - c. Memorize John 8:12.
- **9.** Write a poem or a story about a lighthouse light. Include thoughts of God's "light". Read your story or poem to your group.
- **10.** Draw or photograph five lighthouse forms/types being used today.
- 11. Do one of the following:
 - **a.** List the names and locations of five lighthouses in your state/province.
 - **b.** Locate on a map the location of 10 lighthouses in your country/division
- **12.** List the references you used to learn about lighthouses.

Skill Level 1

Original Honor 2007



Lighthouses, Advanced

- 1. Have the Lighthouses Honor
- **2.** Make a scrapbook including the following:
 - a. Pictures, post cards or drawings of twenty-five lighthouses. Label should include a brief description of: location, year built, active/non-active status, and order of the lens.
 - **b.** Write up a short history of the above lighthouses.
 - **c.** Include drawings/pictures and answers to all the requirements for this honor in your scrapbook.
- 3. List the development of a Fresnel lens including:
 - a. Name of the gentleman that invented it
 - **b.** Country that he came from
 - c. Year developed
- **4.** Draw a Fresnel lens:
 - **a.** Show how prisms are used to concentrate light.
 - **b.** Draw a bull's eye lens and state its purpose.
- **5.** Make a chart showing each class of Fresnel lens:
 - **a.** Define order and list by size.
 - **b.** Name at least one lighthouse using each order.
- **6.** Research and describe the history of the mechanism for rotating lights.
- 7. Make a chart of six lighthouses showing nighttime (light) and daytime (day mark) signature.
- **8.** What is a lightship? Why and where are lightships needed?
- **9.** Read about lighthouse keepers and list some of the hazards they face in completing their duties.
- **10.** Study quotes by Ellen White mentioning lighthouses and discuss the meaning. Place a copy of the quotes in your scrapbook.
- **11.** Obtain a "Lighthouse Passport" and have it stamped at 10 different lighthouse locations.
- **12.** Build a lighthouse modeled after a real lighthouse using a lighthouse kit, wood, or other medium. Know the name, location, and date when the actual lighthouse was originally built.

Skill Level 3

Original Honor 2007