

## Core Skills Analysis

### English

- The student learned new vocabulary related to lighthouses like 'beacon' and 'navigation'.
- They practiced storytelling by creating a narrative about the lighthouse keeper's night-time duties.
- Improved listening skills as they listened to stories or descriptions of lighthouses.

### History

- Explored the historical significance of lighthouses in aiding navigation for sailors.
- Learned about famous lighthouses around the world and their importance in maritime history.
- Understood the evolution of lighthouse technology over time.

### Math

- Practiced counting by calculating the number of hours a lighthouse keeper might work during a night shift.
- Introduced to concepts of light patterns and rotations for lighthouse signals.
- Enhanced spatial awareness by discussing the locations of different lighthouses on maps.

### Science

- Explored the science behind how lighthouses work, focusing on light refraction and reflection.
- Discussed the role of lighthouses in aiding marine life navigation during the night.
- Learned about the properties of different types of lights used in lighthouses.

### Tips

To further enhance the learning experience from the activity of 'Lighthouse Working at Night,' consider incorporating hands-on experiments using light sources to demonstrate light refraction and reflection. Encourage the child to create their mini lighthouse model using simple materials like cardboard and LED lights. Additionally, explore related STEM activities such as building a simple circuit to mimic a lighthouse beacon. These practical approaches will deepen the understanding of lighthouse mechanisms and foster an interest in science and technology.

### Book Recommendations

- [The Little Lighthouse Keeper](#) by Angela Royston: Follow the adventurous tale of a young lighthouse keeper learning the ropes of the night shift.
- [Lighthouses for Kids: History, Science, and Lore with 21 Activities](#) by Katherine L. House: Engaging book that combines educational information about lighthouses with fun hands-on activities for young learners.
- [Lighthouse Lullaby](#) by Kelly Paul Briggs: A bedtime story featuring a lighthouse keeper and the soothing rhythm of the sea, perfect for young readers.