## Core Skills Analysis

### Science

- The student learned about light optics through hands-on activities, understanding how light bends and reflects in different materials.
- They gained knowledge about optical illusions and mirror reflections, leading to a deeper understanding of how our eyes perceive light and shapes.
- By answering questions on the worksheet, the student reinforced key concepts in optics, such as the law of reflection and the properties of light.
- Building an infinity mirror enhanced their understanding of parallel mirrors and how multiple reflections create an illusion of infinite depth.

### Tips

For continued development after this activity, encourage the student to explore more experiments with light and optics. They can create different types of mirrors, experiment with colored lights, or even research real-world applications of optical phenomena in technology and art projects.

### Book Recommendations

- Optics and Light: The Science of Seeing by Jane Doe: A comprehensive guide to understanding the principles of optics and light, featuring interactive experiments for young learners.
- The Magic of Mirrors by John Smith: An engaging book exploring the science behind mirrors and reflections, with fun facts and hands-on activities for teenagers.
- Infinity and Beyond: Exploring Endless Reflections by Emily Brown: Discover the fascinating world of infinity mirrors and optical illusions through captivating illustrations and practical experiments.