

Core Skills Analysis

Science

- The student learned about the concept of density by observing how the oil and water layers separated due to their different densities.
- The student understood the reaction between the effervescent tablet and water, leading to the release of carbon dioxide bubbles that moved the food coloring through the oil.
- The student explored the concept of color mixing as they observed how the food coloring spread through the liquid layers.
- The student engaged in the scientific method by making observations, forming hypotheses, and conducting experiments with different variables.

Tips

Encourage the student to expand their knowledge by experimenting with different ratios of water to oil, using different colors of food coloring, or trying different effervescent tablets to observe how it affects the lava lamp formation. Additionally, explore other household items that can create similar chemical reactions to continue fostering curiosity and learning in science.

Book Recommendations

- [Rosie Revere, Engineer](#) by Andrea Beaty: Follow along with Rosie, a young inventor, as she explores the joys of creating and problem-solving in this inspiring story.
- [The Magic School Bus Lost in the Solar System](#) by Joanna Cole: Join Ms. Frizzle and her class on a magical school bus journey through outer space, learning about the solar system in an entertaining and educational way.
- [Ada Twist, Scientist](#) by Andrea Beaty: Meet Ada, a curious young scientist, as she asks questions and conducts experiments to satisfy her scientific curiosity in this engaging tale.