

Core Skills Analysis

Science

- The student learned about aerodynamics and air resistance through the design and testing of the paper hovercrafts on the race track.
- They gained an understanding of friction as they observed how different surfaces affected the speed and motion of the hovercrafts.
- The activity introduced the concept of potential and kinetic energy as the hovercrafts were propelled forward and glided across the track.
- By exploring how air is trapped and released to create the hover effect, the student delved into the basics of air pressure and its effects on motion.

Tips

To further enhance learning and creativity after creating a race track for paper hovercrafts, students can experiment with different materials to observe how they affect the hovercrafts' performance. Encourage the exploration of various track designs and obstacles to introduce elements of engineering and problem-solving. Additionally, students can document their experiments and findings through drawings or a simple written journal to reinforce scientific observation and recording skills.

Book Recommendations

- [The Magic School Bus Blows Its Top: A Book About Volcanoes](#) by Joanna Cole: Join Ms. Frizzle's class on an adventure to understand the science behind volcanoes in this engaging and educational book.
- [The Boy Who Harnessed the Wind](#) by William Kamkwamba: Discover the inspiring true story of a young boy who built a windmill from scrap to bring electricity to his village, showcasing the power of creativity and innovation.
- [Rosie Revere, Engineer](#) by Andrea Beaty: Follow Rosie's journey as a young inventor who learns that making mistakes is all part of the engineering process in this delightful and empowering story.