Science

- The child learned about the principles of motion and how wheels enable smooth rolling on different shapes.
- They gained an understanding of how the design of a wheel affects its ability to roll smoothly over various surfaces.
- They learned about the importance of balance and weight distribution in wheel design.
- The child also learned about the concept of friction and how it can be minimized to enhance the rolling motion.

Continued development related to this activity could involve experimenting with different materials to create wheels and testing their performance on various shapes and surfaces. The child could also explore the application of wheel design in different fields such as engineering, robotics, or transportation. Encouraging them to think critically about the challenges faced in real-world scenarios and how wheel design can solve those challenges will foster their problem-solving skills and creativity.

Book Recommendations

- The Wheel: Inventions and Reinventions by Richard W. Bulliet: Explores the history and evolution of wheels, from their ancient origins to modern applications.
- The Physics of Everyday Phenomena by W. Thomas Griffith and Juliet W. Brosing: Provides an accessible introduction to the principles of physics with real-life examples, including the science behind wheel design.
- The Wheel Book by Judyth Groner and Madeline Wikler: A children's book that explains the concept of wheels and their importance in a simple and engaging way.