

Science

- The child learned about gravity and how it affects the movement of objects.
- They observed and experimented with different ramp angles to see how it affected the speed and distance traveled by the marbles.
- They explored the concept of potential and kinetic energy as they rolled marbles down the ramps.
- The child also gained an understanding of cause and effect by observing how changing variables, such as the height of the ramp or the weight of the marble, affected the outcome.

For continued development, encourage the child to experiment with different materials for the ramps, such as cardboard or tubes, to see how it affects the marble's movement. They can also try building ramps with different shapes or designs to explore how those factors impact the marble's trajectory.

Book Recommendations

- [The Marvelous Marble Run](#) by Jane Bull: This book explores the concept of marble runs and provides step-by-step instructions for building different types of marble runs.
- [What Makes a Magnet?](#) by Franklyn M. Branley: This book introduces the concept of magnetism and how it can be used to create movement, similar to how the marbles move down the ramps.
- [Energy Makes Things Happen](#) by Kimberly Brubaker Bradley: This book explains the different forms of energy, including potential and kinetic energy, in a kid-friendly way.

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