

Science

- The child learned about the properties of matter, specifically how kinetic sand is a non-Newtonian fluid that can be shaped and molded.
- They also learned about the concept of viscosity, as they observed how the sand flowed differently depending on the amount of force applied.
- The child explored the idea of mixtures, as they experimented with combining different colors of kinetic sand and observed how the colors blended together.
- Additionally, they gained an understanding of the scientific method by making hypotheses, conducting experiments, and analyzing the results of their investigations.

For continued development, encourage the child to explore other materials with similar properties to kinetic sand, such as oobleck or slime. They can also experiment with different ratios of ingredients to create their own homemade versions of kinetic sand. Additionally, they can research the real-world applications of non-Newtonian fluids and how they are used in various industries.

Book Recommendations

- [The Science of Slime](#) by Megan Borgert-Spaniol and Kim Hutmacher: This book explores the science behind slime and other gooey substances, including non-Newtonian fluids like kinetic sand.
- [Chemical Reactions](#) by Rebecca Johnson: This book introduces young readers to the world of chemistry and includes hands-on experiments and activities, including ones involving mixtures and reactions.
- [Matter Matters!](#) by Tom Adams: Through engaging illustrations and interactive elements, this book teaches children about different types of matter, including solids like kinetic sand, and how they behave and interact.

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