

Art

- The child learned about design and construction by creating the gumball machine out of LEGO bricks.
- Through the activity, the child exercised creativity and imagination in designing the gumball machine and choosing colors for the gumballs.
- The child may have also explored the concept of symmetry when creating the design of the gumball machine.

Math

- The child practiced spatial reasoning and geometry when assembling the LEGO pieces to create the gumball machine.
- Counting and sorting the LEGO gumballs can reinforce basic counting and sorting skills.
- Measuring the size and dimensions of the gumball machine can introduce concepts of length, height, and volume.

Science

- By building the gumball machine, the child may have learned about simple machines and mechanical engineering concepts.
- Exploring cause and effect by understanding how the gumball machine dispenses the gumballs can be a lesson in physics and engineering.
- The child may have also studied the principles of gravity and motion if the gumballs rolled down a chute or slide.

Tip: Encourage the child to explore different designs and mechanisms for the gumball machine, introducing concepts of engineering and problem-solving. They could also learn about the history of gumball machines and how they have evolved over time.

Book Recommendations

- [The LEGO Ideas Book](#) by Daniel Lipkowitz: This book offers creative building ideas with LEGO bricks, inspiring the child's imagination for future projects.
- by Coco Simon: A fun and engaging story about friendship and creativity, perfect for young readers who enjoy hands-on projects like building a gumball machine.
- [The Way Things Work Now](#) by David Macaulay: This book explores the principles of engineering, mechanics, and technology, providing a deeper understanding of how machines work.

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