

## Science

- The child learned about simple machines while creating the levers and pulleys for the vending machine.
- They gained an understanding of the concept of force and motion as they worked on the mechanism of the vending machine.
- They explored principles of engineering and design while planning and constructing the vending machine.
- Through the activity, they developed an understanding of recycling and repurposing materials to create a functional structure.

Encourage your child to continue exploring their creativity by designing and building more complex vending machines using different materials. They can also explore the concept of energy transfer and conservation by incorporating moving parts that require different types of energy to operate. Additionally, they can think about the environmental impact of vending machines and come up with ideas for eco-friendly designs.

## Book Recommendations

- [The Boy Who Harnessed the Wind](#) by William Kamkwamba: An inspiring true story of a young boy who builds a windmill from scrap materials to bring electricity to his village.
- [The Magic School Bus and the Science Fair Expedition](#) by Joanna Cole: Join Ms. Frizzle and her class on a fun and educational adventure while they explore the science of simple machines.
- [The Most Magnificent Thing](#) by Ashley Spires: A story about a girl's journey to create something extraordinary, emphasizing the importance of perseverance and creativity in the face of challenges.

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