

Core Skills Analysis

Math

- The student learned about basic geometry concepts such as shapes and symmetry by manipulating the magnetic tiles to create various patterns.
- Through trial and error, the student improved their problem-solving skills as they tried to fit the tiles together to create specific designs.
- The activity helped the student understand mathematical concepts such as area and perimeter as they calculated the total size of the structures they built using the tiles.
- By exploring patterns and sequences while arranging the tiles, the student enhanced their understanding of mathematical sequences and sequences.

Tips

Encourage the student to create more complex structures with the magnetic tiles by introducing new challenges or design constraints. For example, ask them to build a structure using only a specific set of shapes or within a time limit. This can help develop their critical thinking skills and creativity while also reinforcing the mathematical concepts they have learned.

Book Recommendations

- [Magnets Push, Magnets Pull](#) by David A. Adler: Explores the concept of magnets and how they attract and repel, engaging young readers through simple explanations and colorful illustrations.
- [Rosie Revere, Engineer](#) by Andrea Beaty: Follows the story of a young girl who dreams of becoming an engineer, inspiring children to pursue their passions and explore the world of STEM.
- [Math Curse](#) by Jon Scieszka: A humorous tale where a student sees math problems everywhere, sparking curiosity and showcasing the relevance of math in everyday life.