Core Skills Analysis

Math

- Understanding of basic geometric shapes and concepts such as squares, rectangles, and symmetry through building structures with bricks.
- Enhanced spatial reasoning skills as the student plans and constructs various designs using the app.
- Improved understanding of fractions and proportions by experimenting with different brick sizes and configurations.
- Developed problem-solving abilities by overcoming challenges to create complex structures with accurate dimensions.

Tips

Encourage the student to explore different mathematical concepts within the app by incorporating challenges like creating patterns, designs with specific angles, or using mathematical operations to calculate the number of bricks needed for a particular structure. Encouraging free-form exploration can also spark creativity and mathematical thinking.

Book Recommendations

- [Math Curse](#) by Jon Scieszka: A fun and engaging story that turns everyday experiences into math problems, making math more relatable and enjoyable for young readers.
- [Sir Cumference and the Dragon of Pi](#) by Cindy Neuschwander: An adventurous tale that introduces mathematical concepts like pi in a fun and accessible way, blending storytelling with math education.
- [The Math Kids: The Prime-Time Burglars](#) by David Cole: A mystery novel that combines math puzzles with problem-solving, engaging young readers in mathematical thinking while solving a thrilling plot.