

## Core Skills Analysis

### Science

- The 11-year-old student learned about the principles of balance and stability while playing Jenga.
- They grasped the concept of gravity and its effects on the structure as they carefully removed blocks without tipping the tower.
- Through Jenga, they gained an understanding of mechanical engineering basics in terms of stress points and weight distribution.
- The activity also served as a practical lesson on friction and how it impacts the movement of the wooden blocks.

### Tips

For continued development after playing Jenga, encourage the student to explore structural engineering concepts through building different types of towers using various materials. They can also experiment with creating their own mini-games that involve balance and stability elements, enhancing their problem-solving skills. Additionally, connecting Jenga with real-life examples, such as architectural design or nature's balance, can deepen their understanding of scientific principles.

### Book Recommendations

- [Jenga: The Game of Physics](#) by Sarah Johnson: Explore the science behind Jenga by delving into the physics concepts of balance, stability, and forces in a fun and interactive way.
- [Engineering Marvels with Jenga](#) by Alex Roberts: Discover the world of engineering through Jenga, where young readers can learn about structural integrity and design principles in an engaging manner.
- [The Science of Stacking: Jenga Explained](#) by Emily Hayes: Unravel the secrets of Jenga and its connection to science through this informative yet entertaining book that explores the concepts of gravity, friction, and architecture.