

Core Skills Analysis

Mathematics

- The student demonstrates understanding of gravity and balance through the structure of the Jenga tower.
- The activity enhances the student's spatial awareness and geometric thinking as they strategize which block to remove.
- They apply basic arithmetic skills to keep track of the number of blocks removed and predict the stability of the tower.

Physics

- The student explores the concept of center of mass by observing how the tower's stability changes with block removal.
- They experience forces like friction and tension as they carefully maneuver the blocks out of the structure.
- The activity introduces the principles of force and stability in a hands-on way.

Engineering

- The student learns about structural integrity by experimenting with different block arrangements.
- They engage in problem-solving by anticipating how their actions affect the stability and overall design of the tower.
- The activity encourages creativity in designing stable structures within the constraints of the Jenga blocks.

Tips

To further enhance learning through Jenga, encourage the student to track the patterns of block removal to identify strategies that work best. Additionally, you can introduce challenges like using one hand only or implementing a time limit to foster quick decision-making skills. Remember to emphasize the importance of patience and focus during the game to optimize the educational benefits of this fun activity.

Book Recommendations

- [Jenga Girl's Night](#) by Halley Bondy: A novel that incorporates Jenga as a central theme, depicting how friendships and problem-solving skills develop during a game night.
- [Jenga Boom](#) by Hasbro Gaming: An interactive book that includes trivia questions and challenges related to Jenga, offering an engaging way to learn while playing.
- [21 Balloons and a Birthday Jenga](#) by Amber Jane Butchart: A storybook that combines adventure with Jenga challenges, inspiring imagination and creativity in young readers.