

## Core Skills Analysis

### Mathematics

- The student practiced basic counting as they tracked scores during the game.
- They applied concepts of addition and subtraction while calculating strokes over multiple holes.
- Understanding angles and trajectories became important when aiming for holes, enhancing spatial awareness.
- The student engaged in problem-solving by devising strategies to minimize their strokes.

### Physics

- The game introduced concepts of momentum and force as the student learned how hard to hit the ball to achieve desired distances.
- They observed the effects of gravity on the ball's motion, particularly on slopes and inclines.
- Understanding friction played a role as they experienced how different surfaces affected the speed of the ball.
- The student gained insights into energy transfer while striking the ball with the club.

### Social Skills

- Engaged in cooperative play, learning to take turns and respect others' turns.
- Enhanced communication skills by discussing strategies and cheering on peers.
- Developed problem-solving skills through collaboration when faced with challenging holes.
- Reflected on sportsmanship, dealing with both wins and losses gracefully.

### Tips

To further enhance the learning experience, parents and teachers can encourage the student to graph their scores over time to visualize progress in mathematics. Exploring geometry through constructing simple ramps or obstacles with blocks can solidify their understanding of angles and trajectories in a fun way. Engaging in group discussions about sportsmanship and teamwork can improve social skills, while encouraging the child to explain the rules of mini golf to peers can strengthen their communication abilities.

### Book Recommendations

- [Mini Golf Madness](#) by Frankie McMillan: A fun story about a group of friends who embark on a mini golf adventure, learning about teamwork and strategic thinking along the way.
- [Geometry in Mini Golf](#) by Samantha Hargrove: An educational book that introduces children to geometry through the lens of mini golf, featuring fun activities and illustrations.
- [The Sportsmanship Code: Playing Fair](#) by Patricia Johnson: A children's book that emphasizes the importance of sportsmanship and teamwork, using real-life examples from various sports, including mini golf.