Core Skills Analysis

Mathematics

- Developed spatial awareness through navigating the character past obstacles and calculating distances.
- Enhanced problem-solving skills by strategizing the best timing and route to cross the road.
- Practiced quick mental calculations by estimating the speed of approaching vehicles.
- Increased pattern recognition by observing recurring movements of obstacles.

Logic

- Improved decision-making abilities by making split-second choices to avoid getting hit by cars or trains.
- Enhanced critical thinking through evaluating consequences of each movement.
- Developed logical reasoning by understanding cause and effect relationships within the game environment.
- Strengthened sequential thinking by planning a series of moves to progress through the game.

Spatial Awareness

- Heightened awareness of space and timing through moving the character within limited lanes and timelines.
- Improved hand-eye coordination by quickly reacting to oncoming obstacles.
- Understanding of perspective and depth perception by gauging distances between the character and various objects.
- Enhanced mapping skills by memorizing patterns and layouts of different levels.

Tips

To further develop skills related to playing crossy road, encourage the student to create their own obstacle course using household items and time them as they navigate through it. This hands-on approach can enhance their spatial awareness, problem-solving, and critical thinking skills in a fun and engaging way.

Book Recommendations

- [The Phantom Tollbooth](#) by Norton Juster: Follow a young boy named Milo on a fantastical journey filled with logic puzzles and wordplay that will spark the imagination and critical thinking of young readers.
- [Math Curse](#) by Jon Scieszka: Join a young student as they navigate their daily life seeing math problems everywhere, turning numbers into fun challenges that promote mathematical thinking.
- [Cam Jansen and the Mystery of the Stolen Diamonds](#) by David A. Adler: Accompany Cam Jansen, a young detective, as she uses her logical reasoning and observational skills to solve mysteries, engaging young readers in the thrill of problem-solving.