

## Core Skills Analysis

### English

- Improved spelling through the act of doodling words repeatedly.
- Enhanced vocabulary by visually connecting words to images drawn while spelling them.
- Encouraged creativity through the visual representation of words, aiding in better understanding and retention of spelling rules.
- Strengthened literacy skills by incorporating art into language learning, making it a more engaging and personalized experience.

### Math

- Developed mathematical thinking by visually demonstrating numerical concepts through doodles.
- Enhanced problem-solving skills by illustrating math problems in a creative and visual manner.
- Improved understanding of mathematical operations by integrating doodles as memory aids for formulas and equations.
- Promoted spatial reasoning by visually representing geometric shapes and patterns through doodling.

### Numeracy

- Increased numeracy skills by visually representing numbers and quantities through doodles.
- Strengthened mental math abilities by visually connecting numbers in calculations through doodling.
- Encouraged mathematical fluency through the repetitive act of doodling numbers and arithmetic symbols.
- Improved understanding of mathematical concepts by linking visual representations to numerical operations.

### Tips

To further enhance learning through doodling, encourage the student to create personalized doodle spelling notebooks or math journals where they can visually represent words, equations, and concepts. Encourage them to explore different art styles and colors to make their doodles even more engaging. Additionally, suggest creating doodle flashcards for vocabulary and math facts to reinforce learning through visual memory.

### Book Recommendations

- [Doodling for Creative Kids](#) by Klutz: A creative workbook that combines doodling with language arts, math, and more to engage young learners in a fun and educational way.
- [Math-terpieces: The Art of Problem-Solving](#) by Greg Tang: Uses creative and visual approaches to teach math problem-solving strategies through art and illustrations, perfect for young learners.
- [The Number Devil: A Mathematical Adventure](#) by Hans Magnus Enzensberger: A captivating story that introduces mathematical concepts through an imaginative journey, making math learning exciting and accessible for young readers.