

## Core Skills Analysis

### Science

- The student learned about different types of cleaning agents and their properties, enhancing their knowledge of chemistry.
- Understanding the concept of hygiene and how cleaning contributes to preventing illnesses.
- Observing and discussing the science behind dirt and germs, emphasizing the importance of cleanliness for health.
- Learning about ecosystems and the impact of pollution, connecting cleaning to environmental awareness.

### Mathematics

- Practicing measurements and estimates while diluting cleaning solutions accurately.
- Calculating the time taken to clean different areas and optimizing the cleaning process.
- Utilizing fractions and percentages when mixing concentrated cleaning agents with water.
- Understanding the concept of surface area by comparing the effort required to clean different sized spaces.

### Tips

To further develop the 9-year-old's skills and interest in cleaning, consider introducing challenges with variations in cleaning techniques, encouraging them to create their cleaning schedules to foster responsibility and time management. Additionally, involving them in DIY cleaning product projects can spark creativity and scientific curiosity.

### Book Recommendations

- [The Big Green Book of Clean](#) by Elk Grove Press: A fun and informative guide for kids on the importance of cleaning, with eco-friendly tips and activities.
- [Clean It! A to Z Guide of How to Clean Your Home](#) by Tom Lord: An engaging book that teaches kids different cleaning techniques and tools in an easy-to-understand manner.
- [The Magic School Bus Inside the Earth](#) by Joanna Cole: While not specifically about cleaning, this book explores the earth's ecosystems and can help kids understand the importance of keeping our environment clean.