

## Core Skills Analysis

### Science

- The student learned about the basic structure of the periodic table, understanding how elements are organized based on their properties and atomic numbers.
- Through this activity, the student grasped the concept of periodic trends such as electronegativity, ionization energy, and atomic radius.
- By using the periodic table, the student recognized patterns in the elements' properties and understood the significance of group and period classifications.
- The activity allowed the student to explore the relevance of elements in everyday life, connecting scientific knowledge to real-world applications.

### Tips

For continued development after the periodic table activity, students can create element cards with detailed information on each element, organize a periodic table scavenger hunt for hands-on learning, conduct experiments to observe element reactions, and use online resources like interactive periodic tables to deepen their understanding. Encouraging discussions about the periodic table's history and discoveries can also spark curiosity and critical thinking.

### Book Recommendations

- [The Elements Book: A Visual Encyclopedia of the Periodic Table](#) by DK: An engaging and visually stimulating book that introduces young readers to the elements with colorful images and easy-to-understand explanations.
- [Marie Curie: Young Scientist Who Made a Difference](#) by Beatrice Gormley: A biography highlighting Marie Curie's discoveries in chemistry and physics, providing insight into the world of elements and scientific breakthroughs.
- [Nick and Tesla's High-Voltage Danger Lab: A Mystery with Electromagnets, Burglar Alarms, and Other Gadgets You Can Build Yourself](#) by Science Bob Pflugfelder and Steve Hockensmith: An interactive book that combines mystery with hands-on science projects, including activities related to elements, compounds, and inventions.