

## Core Skills Analysis

### Physics

- The students learned about potential and kinetic energy through the transfer of energy created by falling dominoes.
- Understanding of momentum was enhanced as the chain reaction caused an impact on subsequent dominoes.
- Concepts of forces and Newton's laws were practically demonstrated as each domino exerted a force on the next one when falling.
- Grasping the principles of action-reaction pairs became evident as each domino's action led to a subsequent reaction in the chain.

### Tips

Engage students in designing more complex domino setups to explore the effects of varying distances between dominoes or creating loops and patterns. Encourage them to incorporate different materials or obstacles to further investigate the impact on the chain reaction. Additionally, challenge students to apply the principles learned to real-life scenarios or physics problems for a deeper understanding of the concepts.

### Book Recommendations

- [Simply Fantastic Chain Reactions](#) by Anne Rooney: This book provides engaging activities and experiments involving chain reactions, including domino setups, to enhance understanding of physics concepts in a fun and interactive way.
- [The Domino Effect: A Novel](#) by Jill Maria Murdy: A fiction book that intertwines the theme of chain reactions with human interactions, offering a unique perspective on cause and effect dynamics.
- [Domino Art: Professional Techniques for Balance Artists](#) by Bev Harris: Explore the artistic side of domino setups and chain reactions with this book, which showcases intricate designs and techniques used by professional balance artists.