

Science

- The 13-year-old student learned about chemical reactions by observing how different substances interacted with each other to create new compounds in the alchemy activity.
- Through the hands-on experience of following the steps in the Mel Science Alchemy kit, the student gained knowledge about the properties of various elements and how they can be combined to form different compounds.
- The student developed an understanding of the scientific method by making observations, forming hypotheses, and testing their ideas during the alchemy experiment.
- By conducting experiments with the Mel Science Alchemy kit, the student also honed their skills in following instructions, precise measuring, and recording data accurately.

For continued development related to the activity, encourage the student to explore further experiments in chemistry and alchemy. They can create their own simple chemical reactions using household items or conduct research on historical alchemy practices to understand the roots of modern chemistry.

Book Recommendations

- [The Alchemy of Air](#) by Thomas Hager: Explores the history of nitrogen fixation and its impact on agriculture and warfare, providing a deeper insight into chemical processes.
- [Chemistry for Kids: Elements, Acids and Alkalis](#) by Robert Dinwiddie: A beginner-friendly book that explains basic chemistry concepts with fun experiments suitable for young learners.

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