

Core Skills Analysis

History

- Gained knowledge about the formation of Mauna Loa and its significance in Hawaiian culture.
- Learned about major historical events related to Mauna Loa, such as eruptions and their impact on local communities.
- Understood the importance of Mauna Loa in the study of volcanoes and geology.
- Explored the role of Mauna Loa in Hawaiian mythology and its representation as a sacred place.

Geography

- Identified Mauna Loa's location and its geographical features, including its size and shape.
- Learned about the environment surrounding Mauna Loa, including flora, fauna, and climate.
- Explored map skills by marking significant locations related to Mauna Loa.
- Understood the concept of plate tectonics and how it contributes to volcanic formations.

Science

- Gained an understanding of volcanic activity and how eruptions occur.
- Learned about the different types of lava and their properties.
- Explored the ecological effects of volcanic eruptions on the surrounding environment.
- Discovered the role of scientists in monitoring volcanoes and predicting eruptions.

Tips

To enhance Mariah's learning experience, consider organizing a virtual field trip to visit Mauna Loa or a local volcano through educational videos. Engaging her in a hands-on project like creating a model of a volcano can deepen her understanding of geological concepts. Additionally, incorporating discussions about climate and nature in relation to volcanic activity may help connect her learning across subjects. Encouraging Mariah to keep a journal or drawing her learnings can also foster creativity while reinforcing her knowledge.

Book Recommendations

- [Volcanoes: What They Are and How They Work](#) by Kimberly Brubaker Bradley: An engaging introduction to volcanoes, explaining their formation and interesting facts about different volcanoes, including Mauna Loa.
- [The Magic of Volcanoes](#) by Rachael Bright: A colorful book that combines storytelling with educational insights about volcanoes and their impact on the world.
- [Hawaii's Volcanoes: A History](#) by David Ogden: A kid-friendly book that explores the fascinating history and stories of Hawaii's volcanoes, including the majestic Mauna Loa.