### Unit at a glance

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<th>Phase</th>
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| ENGAGE | Lesson 1  
Pompeii and Vesuvius | To capture students’ interest and find out what they think they know about how sudden geological changes and extreme weather events can affect Earth’s surface.  
To elicit students’ questions about volcanoes. |
| EXPLORE | Lesson 2  
Eruptions!  
**Session 1**  
Two recounts  
**Session 2**  
Ready to research | To provide students with hands-on, shared experiences of the effects of a volcanic eruption. |
| | Lesson 3  
Lava creations  
**Session 1**  
Inside my volcano  
**Session 2**  
Varying viscosity | To provide students with hands-on, shared experiences of the relationship between volcano shape and lava viscosity. |
| | Lesson 4  
Living on the edge | To provide students with hands-on, shared experiences of the benefits of living near volcanoes. |
| | Lesson 5  
Popping tops *(Optional)* | To provide students with hands-on, shared experiences of the risks of living near volcanoes. |
| EXPLAIN | Lesson 6  
Creators or destroyers?  
**Session 1**  
Pros and cons  
**Session 2**  
Deep down | To support students to represent and explain their understanding of the formation and effects of volcanic eruptions on Earth’s surface.  
To introduce current scientific views. |
| ELABORATE | Lesson 7  
Where on Earth?  
**Session 1**  
Dissecting data  
**Session 2**  
Claims and evidence | To support students to conduct and analyse an investigation of where the majority of the Earth’s volcanoes are located and why. |
| EVALUATE | Lesson 8  
Volcanoes on show | To provide opportunities for students to represent what they know about how sudden geological changes and extreme weather events can affect Earth’s surface, and to reflect on their learning during the unit. |

A unit overview can be found in Appendix 11, page 78.