

Unit at a glance

Earthquake explorers

Phase	Lesson	At a glance
ENGAGE	Lesson 1 Earthquake explorers	To capture students' interest and find out what they think they know about how sudden geological changes or extreme weather conditions can affect Earth's surface To elicit students' questions about the causes and effects of earthquakes
EXPLORE	Lesson 2 Energetic earthquakes	To provide students with shared experiences of how the effects, magnitude and intensity of earthquakes are measured
	Lesson 3 Unearthing quakes Session 1 Modelling earthquakes Session 2 Interior insights (Optional)	To provide students with hands-on, shared experiences of modelling the changes to the Earth's surface which cause earthquakes
EXPLAIN	Lesson 4 Explaining earthquakes Session 1 Plates on the move Session 2 Changes over time	To support students to represent and explain their understanding and observations of changes to the Earth's surface which cause earthquakes To introduce students to current scientific views about earthquakes and tectonic plates
ELABORATE	Lesson 5 Earthquakes down under	To support students to investigate and compare earthquake activity in Australia and neighbouring countries
	Lesson 6 So you want to be a seismologist?	To support students to investigate and model how scientists collect information about earthquakes
EVALUATE	Lesson 7 On location	To provide opportunities for students to represent what they know about how sudden geological changes or extreme weather conditions can affect Earth's surface, and to reflect on their learning during the unit

A unit overview can be found in Appendix 7, page 84.