

## Unit at a glance

## Earthquake explorers

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

A unit overview can be found in Appendix 7, page 72.