

## Earthquake explorers

### Science journal/work sample tag

Student	Stage	Key Learning Area	Date
		Science	

Level 3 unit outcomes	Beginning	Developing	Achieving
<b>c</b> Explain that the Earth's surface is composed of tectonic plates that move.			
<b>c</b> Identify how tectonic plates push into each other, pull apart from each other and slide past each other.			
<b>c</b> Describe the scales that are used to measure earthquake magnitude and intensity.			
<b>i</b> Analyse and compare data of earthquake magnitude for Australia and neighbouring countries to investigate patterns in data			
<b>i</b> Use a physical model to represent, investigate and describe how to measure the magnitude of earthquakes.			

**c:** conceptual outcomes **i:** investigating outcomes

PrimaryConnections Draft Assessment Resources

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Student	Stage	Key Learning Area	Date
		Science	

Level 4 unit outcomes	Beginning	Developing	Achieving
<b>c</b> Explain that when tectonic plates push into each other, pull apart from each other and slide past each other energy builds up as stress in the plates.			
<b>c</b> Explain how the sudden release of energy causes movement of the ground which results in damage to buildings and structures.			
<b>c</b> Explain why most large earthquakes occur at the edges of tectonic plates.			
<b>i</b> Use secondary data to represent, investigate and describe the movement of the Earth's tectonic plates.			
<b>i</b> Draw evidence-based conclusions about the location of large earthquakes at the edges of tectonic plates.			

**c:** conceptual outcomes **i:** investigating outcomes

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