Earthquake explorers

Level 3 outcomes checklist

Teacher:	Class:

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

Key: *B = Beginning; D = Developing; A = Achieving*

Earthquake explorers

Level 4 outcomes checklist

Teacher:	Class:

Level 4 unit outcomes **c:** conceptual outcomes **i:** investigating outcomes **Student**	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. **c**	Explain how the sudden release of energy causes movement of the ground which results in damage to buildings and structures. **c**	Explain why most large earthquakes occur at the edges of tectonic plates. **c**	Use secondary data to represent, investigate and describe the movement of the Earth's tectonic plates. **i**	Draw evidence-based conclusions about the location of large earthquakes at the edges of tectonic plates. **i**

Key: *B = Beginning; D = Developing; A = Achieving*