## Appendix 7

## Earthquake explorers equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON	1	2	3	3	4	4	5	6	7
		SESSION			1	2	1	2			
Equipment and materials											
cardboard, several small pieces, 7 cm x 4 cm approximately	several per team						•				
egg, hard-boiled	1 per team				•	•					
envelope	1 per team			•							
knife	1 per team					•					
magnifying glass optional	1 per class				•						
map of Australia, large	1 per team								•		
markers, coloured overhead	1 per class							•	•		•
paper, 30 cm x 100 cm	1 per class and 3 per team									•	
pen, felt-tipped	1 per class and 1 per team									•	
plasticine											
- 3 sets of 2 pieces, 20cm x 10cm each	3 sets per class				•						
- 10 cm x 10 cm pieces	2 per student						•				
roll of toilet paper	1 per class							•			
ruler, 30 cm	1 per class and 1 per team									•	
self-adhesive dots											
- blue	15 per class								•		
- red	15 per class								•		
self-adhesive notes	5 per class							•			
table, small	1 per class and 1 per team									•	
toothpicks	several per team						•				

EQUIPMENT ITEM		LESSON	1	2	3	3	4	4	5	6	7
	QUANTITIES	SESSION			1	2	1	2			
visual materials (eg, video footage, photos, animations of earthquake damage)	collection per class		•								
wooden blocks or plastic, one large or several small	1 set per class				•						
Resource sheets											
'Earthquake hits Newcastle: Eyewitness account' (RS1)	1 per student			•							
'Question placemat' (RS2), enlarged	1 per student			•							
'Richter scale' (RS3), enlarged	1 per class			•							
'Modified Mercalli scale' (RS4), enlarged	1 per class			•							
'Modified Mercalli scale' (RS4)	1 per team			•							
'On the inside' (RS5), enlarged	1 per class					•					
'Plates on the move' (RS6), overhead transparency	1 per class						•				
'Plates on the move' (RS6)	1 per student						•				
'Map of continents' (RS7), overhead transparency	1 per class							•	•		
'Map of the plate boundaries' (RS8), overhead transparency	1 per class							•			
'Continent formation: 160 million years ago' (RS9), overhead transparency	1 per class							•			
'Continent formation: 60 million years ago' (RS10), overhead transparency	1 per class							•			
'Earthquakes around the world' (RS11)	1 per student								•		
'Earthquake information: 1-15 December 2011' (RS12)	1 per student								•		
'Earthquake presentation planner' (RS13), enlarged	1 per class										•
'Earthquake presentation planner' (RS13)	1 per student										•
'Quality matrix and Radar chart' (RS14), enlarged	1 per class										•
'Quality matrix and Radar chart' (RS14)	1 per student										•

EQUIPMENT ITEM	QUANTITIES	LESSON	1	2	3	3	4	4	5	6	7
	QUANTITIES	SESSION			1	2	1	2			
Teaching Tools											
class science journal	1 per class and 1 per team		•	•	•	•	•	•	•	•	•
collaborative learning role wristbands or badges	1 per team			•	•	•	•			•	
collaborative learning roles chart	1 per team			•	•	•	•			•	
collaborative learning skills chart	1 per class			•	•	•	•			•	
student science journal	1 set per team		•	•	•	•	•	•	•	•	•
TWLH chart	1 per team		•	•	•	•	•	•	•	•	•
word wall	1 per team		•	•	•	•	•	•	•	•	•
Multimedia											
projector, overhead and screen	1 per class							•			
digital camera optional	1 per class				•		•				
video camera optional	1 per class						•				
microscopic camera optional	1 per class				•						