

# Appendix 7

## Material world equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON	1	1	2	2	3	4	5	5	6	7
		SESSION	1	2	1	2			1	2		
<b>Equipment and materials</b>												
apple core	1 per team					•						
bags, different (eg, calico, thick plastic, paper, thick fabric, thin plastic)	5 per class								•			
box, large	1 per class			•								
cardboard, large	1–2 sheets per class		•									
clothes pegs, large	several per team							•				
clothing	1 piece per class		•									
clothes (eg, jumpers, gloves, hats, scarves, dresses, aprons, shirts)	1 collection per class				•							
containers	1 collection per team											
– clear plastic, at least 10 cm deep (eg, takeaway food container)	1 per class					•						
– clear plastic, at least 10 cm deep (eg, takeaway food container)	1 per team					•						
– metal, identical (eg, tins or cans to hold 200 mL warm water)	3 per team										•	
– transparent (eg, clear plastic cup)	1 per class						•					
– transparent (eg, clear plastic cup)	1 per team						•					
elastic bands (include 1 for modelling)	1 per team						•				•	
eye-dropper	1 per class						•					
eye-dropper	1 per team						•					
food colouring (to colour 1 cup of water for each team)	1 per class						•					
funnel	1 per team										•	
gloves, different (eg, woollen, ski, gardening, evening, rubber [dishwashing], latex)	1 collection per class			•								
magazines that can be cut up	1 collection per class											•
magnifying glass	1 per team							•				

EQUIPMENT ITEM	QUANTITIES	LESSON	1	1	2	2	3	4	5	5	6	7
		SESSION	1	2	1	2			1	2		
<b>Equipment and materials</b> (Continued)												
markers for a relay (eg, witches hats, cones)	3 per class				•							
materials												
– material sample (eg, newspaper), 3 cm x 3 cm	1 per class					•						
– material samples (eg, paper, plastic and fabric bags), 3 cm x 3 cm	3 or more different types per team					•						
– material samples of similar thickness (eg, paper, plastic and fabric bags), 15 cm x 15 cm	4 or more different types per team						•					
– material samples of similar thickness (eg, paper, plastic and fabric bags), 1 cm x 15 cm	4 or more different types per team							•				
– material samples buried in Lesson 2	several per team									•		
– material to wrap around each metal container, different types of similar thickness (eg, wool, cotton and plastic)	3 different types per team										•	
class materials snapshot from Lesson 1, Session 1	1 per class			•			•	•				
measuring cup, 200 mL	1 per team										•	
paper												
– graph paper <i>optional</i>	1 per student										•	
– newspaper strip, 1 cm x 15 cm	1 per class							•				
– tissue paper square, 15 cm x 15 cm	1 per class						•					
marking pen	1 per class					•						
marking pen	1 per team					•						
self-adhesive notes	several per student	•										
soil, enough to fill a plastic container 10 cm deep	1 quantity per team					•						
thermometer	1 per team										•	
timing device (eg, a stopwatch or a watch with a second hand)	1 per team										•	
tray to hold samples	1 per team									•		
water												
– coloured (include 1 extra cup for modelling)	1 cup per team						•					
– hot (<50°C)	200 mL per class										•	
– hot (<50°C)	600 mL per team										•	
waterproofing spray (eg, shoe or lounge spray) optional	1 can per class						•					



EQUIPMENT ITEM	QUANTITIES	LESSON	1	1	2	2	3	4	5	5	6	7
		SESSION	1	2	1	2			1	2		
<b>Teaching tools</b>												
class science journal	1 per class		•	•	•	•	•	•	•	•	•	•
role wristbands or badges for Director, Manager and Speaker	1 set per team					•	•	•	•	•	•	
team roles chart	1 per class					•	•	•	•	•	•	
team skills chart	1 per class					•	•	•	•	•	•	
student science journal	1 per student			•	•	•	•	•	•	•	•	•
word wall	1 per class		•	•	•	•	•	•	•	•	•	•
<b>Multimedia</b>												
digital camera <i>optional</i>	1 per class					•						
<b>Texts</b>												
narrative												
– Animals Should Definitely Not Wear Clothing or Mr Tuggle’s Trouble	1 per class		•									
factual												
– texts about plastics	1 collection per class									•		