

# Appendix 8

## Marvellous micro-organisms equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON	1	1	1	2	3	4	5	6	6	7	8
		SESSION	1	2	3					1	2		
<b>Equipment and materials</b>													
balloons	3 per team						•						
balloons	4 per team					•							
boxes or bags, opaque	for the class										•		
bread materials													
– bread mix packet	2 per class							•					
– bread or fruit	2 slices per team										•		
– bread, different varieties	3 per class, including 1 yeast-free variety (eg, chapatti, tortilla, roti, lavash)		•										
– bread-making machines	2 per class							•					
– ingredients list from each bread wrapper	1 copy per team		•										
– mouldy bread or fruit in 2 clear, sealed plastic bags	1 sample per team									•			
funnel	1 per class					•							
funnel	1 per team					•	•						
jug	1 per class					•	•	•					
kettle	1 per class					•	•						
magnifying glass	1 per team		•							•			
measures													
– ½ cup measure	3 per class					•	•						
– ½ cup measure	1 per team						•						
– ½ tsp measure	3 per class					•	•						
– ½ tsp measure	1 per team						•						

EQUIPMENT ITEM	QUANTITIES	LESSON	1	1	1	2	3	4	5	6	6	7	8
		SESSION	1	2	3					1	2		
<b>Equipment and materials</b> (continued)													
– ¼ cup measure	3 per class					•	•						
– ¼ cup measure	1 per team						•						
paper, A3	1 sheet per team								•				
paper towel	1 sheet per student		•										
pens													
– highlighter or coloured pen	1 per student									•			
– marking pen	1 per team					•	•				•		
plastic bags													
– clear resealable plastic bags	4 per team										•		
– plastic or paper bag, large	1 per class										•		
plastic bottles (350–400 ml) with caps, all the same size	3 per team						•						
plastic bottles (350–400 ml), all the same size	4 per team					•							
plastic spray-gun bottle filled with water	1 per class										•		
plate or shallow container to hold bread samples	1 per team		•										
poster (A3) or overhead projection of lists of bread ingredients <i>optional</i>	1 per class		•										
safety zone	for the class					•	•						
sugar	3 x ¼ cup measures per team					•	•						
self-adhesive tape	several strips per team					•	•				•		
thermometer	1 per class					•	•				•		
timer	1 per class					•	•	•					
tongs	1 per team		•										
water													
– water	for the class					•							
– water, cold	½ cup measure per team						•						



EQUIPMENT ITEM	QUANTITIES	LESSON	1	1	1	2	3	4	5	6	6	7	8
		SESSION	1	2	3					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		•	•	•	•	•	•	•	•	•	•	•
TWLH chart	1 per class		•	•	•	•	•	•	•	•	•	•	•
word wall	1 per class		•	•	•	•	•	•	•	•	•	•	•
<b>Multimedia</b>													
binocular microscope or video camera microscope connected to TV/computer <i>optional</i>	1 per class									•			
computer/s with internet access <i>optional</i>												•	
digital camera <i>optional</i>	1 per class					•	•	•					
overhead projector <i>optional</i>	1 per class									•			