

Lesson 18a Life cycles—silkworms ●

Lesson 18b Life cycles—mealworms ○

Equipment item	Lesson	Lesson																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
bags																						
– paper or plastic lunch bag	1 per team												●									
– plastic, clear, resealable (sandwich size)	1 per team									●												
– plastic, to store mulberry leaves in refrigerator	several per class																		●			
balloons	1 for demo + 3 per team			●																		
boards, polystyrene foam (about 22 x 10 x 2 cm)	1 for demo + 1 per team														●							
boxes (eg, tissue or shoe)	1 per class + 1 per team																		●			
bran, and other foods for mealworms (eg, apple)	for the class																		○			
buckets	3 per class													●								
calculators, pocket (optional)	for the class								●													
card or cardboard																						
– 12 x 10 cm strips	1 for demo + 3 per team	●																				
– A4 sheets, to copy BLMs	2 per team																			●		
catalogues (from supermarkets or hardware shops)	1–2 per team															●						
chalk, same colour	2 per team								●													
clock	1 per class			●				●						●								
containers																						
– (about 60 gm), for measuring	1 per class + 1 per team												●									
– clear, waterproof, for mixing ‘mystery powders’ with water	6 per team											●										
– clear, waterproof, to observe melting ice cubes	1 per team					●																
– clear, waterproof, to dip finger and objects in for observation	3 per team						●															
– clear, waterproof, to demonstrate ‘fat finger’	1 per class										●											
– plastic (or aquarium), covered	1 per class																			○		
– to hold mealworms for observation	1 per team																			○		
– to hold popped corn	1 per class												●									
– to hold popped corn while measuring	1 per team											●										
– waterproof (60 gm or 30 ml), for holding dry polymer and measuring wet polymer	1 per team									●												
– waterproof (about 500 gm), for collecting water and measuring wet polymer	1 per team									●												
– waterproof, to hold 500 mL of water	1 per team											●										
– waterproof, to hold water for dipping paper towels	3 per team					●																
– waterproof, to hold water for dipping sponges and fabric pieces in	1 per team			●																		
– waterproof, to mix play clay in	1 per team	●																				
– with tight fitting lids, to make ‘shakers’	for half the teams																	●				
cream of tartar	2 teaspoons per team	●																				
cups, polystyrene foam	3 per team													●								
egg cartons																						
– (optional)	for demonstration												●									
– 6 compartments	1 per team											●										
– sections (or cardboard tubes)	for each team																			●		

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Equipment item	Lesson	Lesson																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
paper (<i>continued</i>)																						
– A4 or larger	2 per team															●						
– coloured strips	for each team																			●		
– for a chart	1 per team																					●
– scrap	1 per child																	●				
– white	for the class																			●		
paper towels	for the class + each team																			●		
	for the class																			○		
– plain (pieces about 13 x 8 cm)	6 per team					●																
pencils																						
– coloured	for each team		●															●				
– green	1 per team																			●		
– to be observed in water	3 per team						●															
pens, felt	1 per team													●								
– 1 red and 1 blue	for each team														●							
– or markers	1 per team														●							
– or markers, dark-coloured	3 per team				●																	
– water-soluble, different colours	3 or more per team				●																	
pictures, of musical instruments (optional)	for demonstration																	●				
polymer granules	packet per class									●												
– (wet and dry, from Lesson 9)	for demonstration									●												
popcorn kernels	1 bag per class												●									
popcorn popper (or electric frypan)	1 per class												●									
popsticks	6 per team												●									
powders, mystery (eg, jelly crystals, fine sand, salt; or all same colour, talc, flour, cornflour)	6 per team (2 teaspoons of each)												●									
salt, cooking	1/4 cup per team	●																				
scissors	3 per team		●																		●	
	1 per team																●					●
	for half the teams																●					
screwdriver	1 per class															●						
silk items	for demonstration																				●	
silkworm eggs, fertile	about 100 per class																				●	
sponges, kitchen (pieces about 3 x 3 x 1 cm)	2 per team			●																		
spoons																						
– plastic	1 per team											●										
– stirring	1 per team	●																				
stapler	1 per class																●					
sticky tape	for each team		●			●									●							
	for the class									●												
tape measure	1 per team								●													
thermometers	1 per team												●									
tools, to match those on BLM 3.12	for demonstration															●						

