

Materials and equipment

Year 3, unit 1: Transfer of heat

What you will need	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
science journals	1 per student	1 per student	1 per student	1 per student	1 per student
thermometer	1 per group		1 per group		1 per group
clear plastic cups	2 per group	1 per group	3 per group		
access to water – <ul style="list-style-type: none"> • warm (under 50 °C) • room temperature • cold (approx. 3 °C) • tap water • boiling water – for mixing jelly crystals 	warm and cold water for teacher demonstration warm and cold water per group	room temperature water per group warm water per group	warm water per group tap water per group	tap water	boiling water for teacher/adult
Ice cubes		1 per group			
coloured ice cubes (strongly coloured with food colouring)		1 per group			
food colouring – 1 colour	A few drops for teacher demonstration				
plastic resealable bag		1 per group			
stopwatch		1 per group	1 per group		
spoons – plastic, wooden and metal			1 of each per group	1 plastic spoon per group	1 plastic spoon per group
water bottle with iced water			1 per group		
neoprene water bottle cooler			1 per group		

What you will need	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
shallow plastic containers with lids (takeaway)			3 per group		
paint – black, red, and white			3 colours per group		
paintbrushes			3 per group		
measuring jugs per group			1 per group		
clear plastic containers				variety per class	
painted containers (from Lesson 3)				per class	
sheets of coloured paper or cardboard – black, red, yellow, white				per class	
butter or margarine				tub per class	
tablespoon				1 per teacher	
packet of jelly crystals					1 per group
small plastic containers or cups					3 per group
mixing bowl					1 per group
ladle or serving spoon for transferring jelly mixture to cups					1 per group
access to a refrigerator and freezer					1 per class