

Spinning in space equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON	1	2	3	4	5				6
		SESSION			1	2	1	2	3		
Equipment and materials											
balls											
– basketball	1 per team			•							
– basketball or netball	1 per class				•						
– tennis ball	1 per team			•							
batteries, spare, for torches <i>optional</i>	collection per class				•						
cardboard/paper											
– cardboard circle, 2½mm diameter	1 per team			•							
– cardboard circle, 1cm diameter	1 per team			•							
– cardboard circle, 1m diameter	1 per team			•							
– cardboard <i>optional</i>	3 sheets per class				•						
– cardboard tube or plastic pipe <i>optional</i>	1 piece per team				•						
– paper for labels: Sun, Earth and Moon	3 per class					•					
– paper for name tags, labelled Sydney, Adelaide and Perth <i>optional</i>	3 per class					•					
– paper or cardboard, 10cm x 15cm	3 sheets per team				•						
– paper, large	1 sheet per team								•		
chalk	1 per team				•						
compass, magnetic	1 per team				•				•		
darkened room	1 per class					•					
map of Australia <i>optional</i>	1 per class					•					

Spinning in space equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON	1	2	3	4	5	6	
		SESSION			1	2	1	2	3
Equipment and materials (continued)									
objects									
– different sized spherical objects				•					
– to represent the Sun, Earth and Moon (eg, basketball, marble and peppercorn)	1 set per class			•					
pictures									
– books or images about day and night	collection per class		•						
– pictures or photographs from books, magazines, calendars showing sunlight shining in straight lines	collection per class				•				
– pictures, posters, video or internet images about the Sun, Earth and Moon	collection per class			•					
plasticine or clay	1 piece per class				•				
popstick	1 per class				•				
poster resources (eg, cardboard, tissue, cellophane and/or coloured paper, pens and pencils)	collection per student								•
resource sheets									
– ‘Day and Night: What do you think?’ (RS1), enlarged	1 per class		•						
– ‘Day and Night: What do you think?’ (RS1)	1 per student		•						
– ‘Shadow stick investigation planner’ (RS2), enlarged	1 per class						•		
– ‘Shadow stick investigation planner’ (RS2)	1 per team						•	•	•
role-play resources identified by the team (eg, different sized balls or spheres, plasticine, torches)	collection per team					•			
ruler or shadow puppet	1 per team				•				
ruler or tape measure	1 per team								•

Spinning in space equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON	1	2	3	4	5				6
		SESSION			1	2		1	2	3	
Equipment and materials (continued)											
self-adhesive notes	collection per class							•			
shadow stick (eg, stick weighted with plasticine or clay)	1 per team								•		
sticks	collection per class							•			
torch or light, strong	1 per class					•	•				
torch	1 per team					•					
trundle wheels and rulers	1 per team			•							
world globe	1 per class			•			•				
Teaching tools											
class science journal	1 per class		•	•	•	•	•	•	•	•	•
cooperative learning role badges	1 set per team			•	•	•	•	•	•	•	
cooperative learning team roles chart	1 per class			•	•	•	•	•	•	•	
cooperative learning team skills chart	1 per class			•	•	•	•	•	•	•	
student science journal	1 per student		•	•	•	•	•	•	•	•	•
TWLH chart	1 per class		•	•	•	•	•	•	•	•	•
word wall	1 per class		•	•	•	•	•	•	•	•	•
Multimedia											
digital camera <i>optional</i>	1 per class			•		•			•		