

It's electrifying equipment list

EQUIPMENT ITEM	QUANTITIES	LESSON							
		1	2	3	4	5	6	7	8
Equipment and materials									
battery (size C or D)	1 per team		•				•	•	•
battery holder <i>optional</i>	1 per team								•
buzzer or motor (small electric) <i>optional</i>	1 per team							•	
card, A4	1 per team						•	•	
clothes peg	1 per team						•		
collection of batteries of different sizes and voltages (eg, 1.5V battery, watch battery, 'D' size)	1 per class				•				
collection of battery-operated devices	1 per class	•							
collection of light bulbs of different sizes and shapes <i>optional</i>	1 per class			•					
corrugated-card squares	3 per team							•	
decorated container	2 per class					•			
dictionaries (hardcopy or online)	several per class			•					
foil, A4 sheet	1 per team							•	
insulated wire with the ends stripped (15cm) or folded foil wires	3 per team		•				•	•	•
light bulbs (1.5V) (include spares for breakages)	1 per team		•	•			•	•	•
light bulb holder <i>optional</i>	1 per team								•
magnifying glass or hand lens	1 per team			•					
metal split pins or thumbtacks	2 per team							•	•
'packets of energy' (eg, pegs or counters)	1 per team						•		
paperclip	2 per student					•			

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Equipment and materials (continued)									
resource sheets									
– ‘Alessandro Volta: Battery maker’ (RS4), enlarged	1 per class				•				
– ‘Alessandro Volta: Battery maker’ (RS4)	1 per student				•				
– ‘Bright sparks: Reflecting on my learning’ (RS11)	1 per student								•
– ‘Chronological list: Alessandro Volta’ <i>optional</i>	1 per student				•				
– ‘Folded foil wires’ (RS2)	1 per team		•						•
– ‘Inside a light bulb’ (RS3), enlarged	1 per class			•					
– ‘Inside a light bulb’ (RS3)	1 per student			•					
– ‘It's electrifying word loop cards’ (RS9)	1 set per class								•
– ‘Lab notes: What's this all about’ (RS6), enlarged	1 per class						•		
– ‘Lab notes: What's this all about’ (RS6)	1 per team						•		
– ‘Making switches’ (RS8), enlarged	1 per class							•	
– ‘Making switches’ (RS8)	1 per team							•	
– ‘Torch template’ (RS10) <i>optional</i>	1 per team								•
– ‘Problem solvers: Investigation planner’ (RS7), enlarged	1 per class						•		
– ‘Problem solvers: Investigation planner’ (RS7)	1 per student						•		
– ‘PROE record: Lighting up my life’ (RS1), enlarged	1 per class		•						
– ‘PROE record: Lighting up my life’ (RS1)	1 per student		•						

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Equipment and materials (continued)									
'Scientists' materials box' containing:	1 per team							•	•
- rubber (eg, balloons, rubber bands)	1 per team						•		
- plastic (eg, straws, plastic cutlery)	1 per team						•		
- pencils (sharpened at both ends)	1 per team						•		
- paper and/or cardboard	1 per team						•		
- metal (eg, paperclips, cutlery)	1 per team						•		
- insulated copper wire with the ends stripped	1 per team						•		
- gardening wire or twist-ties	1 per team						•		
- wood (eg, popsticks, toothpicks)	1 per team						•		
self-adhesive notes	several per student								•
self-adhesive tape	1 per team						•	•	•
stripping pliers or knife	1 per class		•						
torch	1 per team	•							
Teaching tools									
class science journal	1 per class	•	•	•	•	•	•	•	•
class scientists' chat-board	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	•	•	•	•	•	•	•	•