

SPS	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18	Unit 19	Unit 20	Unit 21	Unit 22	Unit 23	Unit 24
Ideas and evidence • Consider how scientists have combined evidence from observation and measurement with creative thinking to suggest new ideas and explanations for phenomena.									✓	✓	✓	✓
• Collect evidence and data to test ideas including predictions.									✓	✓	✓	✓
Plan investigative work • Discuss how to turn ideas into a form that can be tested.									✓	✓	✓	✓
• Make predictions using scientific knowledge and understanding.									✓	✓	✓	✓
• Choose what evidence to collect to investigate a question, ensuring that the evidence is sufficient.									✓	✓	✓	✓
• Identify factors that are relevant to a particular situation.									✓	✓	✓	✓
• Choose which equipment to use.									✓	✓	✓	✓
Obtain and present evidence • Make a variety of relevant observations and measurements using simple apparatus correctly.									✓	✓	✓	✓

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<ul style="list-style-type: none"> Decide when observations and measurements need to be checked by repeating to give more reliable data. 									✓	✓	✓	✓
<ul style="list-style-type: none"> Use tables, bar charts and line graphs to present results. 									✓	✓	✓	✓
Consider evidence and approach <ul style="list-style-type: none"> Make comparisons. 									✓	✓	✓	✓
<ul style="list-style-type: none"> Evaluate repeated results. 									✓	✓	✓	✓
<ul style="list-style-type: none"> Identify patterns in results and results that do not appear to fit the pattern. 									✓	✓	✓	✓
<ul style="list-style-type: none"> Use results to draw conclusions and to make further predictions. 									✓	✓	✓	✓
<ul style="list-style-type: none"> Suggest and evaluate explanations for predictions using scientific knowledge and understanding and communicate these clearly to others. 									✓	✓	✓	✓
<ul style="list-style-type: none"> Say if and how evidence supports any prediction made. 									✓	✓	✓	✓

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Humans and animals • Use scientific names for some major organs of body systems.					✓							
• Identify the position of major organs in the body.					✓							
• Describe the main functions of the major organs of the body.					✓							
• Explain how the functions of the major organs are essential.					✓							
Living things in their environment • Explore how humans have positive and negative effects on the environment, e.g. loss of species, protection of habitats.									✓			
• Explore a number of ways of caring for the environment, e.g. recycling, reducing waste, reducing energy consumption, not littering, encouraging others to care for the environment.									✓			
• Know how food chains can be used to represent feeding relationships in a habitat and present these in text and diagrams.									✓			



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Stage 6 Biology

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<ul style="list-style-type: none">• Know that food chains begin with a plant (the producer), which uses energy from the sun.									✓			
<ul style="list-style-type: none">• Understand the terms <i>producer</i>, <i>consumer</i>, <i>predator</i> and <i>prey</i>.									✓			
<ul style="list-style-type: none">• Explore and construct food chains in a particular habitat.									✓			

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Material changes • Distinguish between reversible and irreversible changes.						✓						
• Explore how solids can be mixed and how it is often possible to separate them again.						✓						
• Observe, describe, record and begin to explain changes that occur when some solids are added to water.						✓						
• Explore how, when solids do not dissolve or react with water, they can be separated by filtering, which is similar to sieving.						✓						
• Explore how some solids dissolve in water to form solutions and, although the solid cannot be seen, the substance is still present.						✓						

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Forces and motion <ul style="list-style-type: none"> Distinguish between mass measured in kilograms (kg) and weight measured in Newtons, noting that kilograms are used in everyday life. 							✓					
<ul style="list-style-type: none"> Recognise and use units of force, mass and weight and identify the direction in which forces act. 							✓					
<ul style="list-style-type: none"> Understand the notion of energy in movement. 							✓					
<ul style="list-style-type: none"> Recognise friction (including air resistance) as a force which can affect the speed at which objects move and which sometimes stops things moving. 							✓					
Electricity and magnetism <ul style="list-style-type: none"> Investigate how some materials are better conductors of electricity than others. 											✓	
<ul style="list-style-type: none"> Investigate how some metals are good conductors of electricity while most other materials are not. 											✓	
<ul style="list-style-type: none"> Know why metals are used for cables and wires and why plastics are used to cover wires and as covers for plugs and switches. 											✓	



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Stage 6 Physics

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<ul style="list-style-type: none">• Predict and test the effects of making changes to circuits, including length or thickness of wire and the number and type of components.											✓	
<ul style="list-style-type: none">• Represent series circuits with drawings and conventional symbols.											✓	