



Pollen-8

Science

Year 1



Well done Sehr gut Bon travail Da iawn

I can ...

<p>I can sort and classify objects based on their properties, like whether they are solid, liquid, or gas.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>	<p>I can observe and describe the basic properties of everyday materials, such as colour, shape, and texture.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>	<p>I can identify and name common animals and plants.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>
<p>I can describe the basic needs of animals, including humans, and explain how they are met.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>		<p>I can observe and record changes in the weather and the seasons.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>
<p>I can conduct simple experiments to explore scientific concepts, like sinking and floating.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>		<p>I can ask questions and make simple predictions about what will happen in a science investigation.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>
	<p>I can communicate my observations and findings using drawings, labels, and simple sentences.</p> <p><input type="checkbox"/> M <input type="checkbox"/> T</p>	

Our Deeper Questions

What can we learn from comparing different places?

What does this teach us about what makes people special?

What can we learn about being healthy and safe?

What can we create or invent to celebrate other cultures?

How can we look after our world and the people in it?



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Year 2



Well done Sehr gut Bon travail Da iawn

I can ...

<p>I can explore and explain how different materials can change shape when they are bent, twisted, or stretched.</p> <p>(M) (T)</p>	<p>I can compare and group materials based on their properties, such as hardness or flexibility.</p> <p>(M) (T)</p>	<p>I can identify and name a variety of common animals, including insects.</p> <p>(M) (T)</p>
<p>I can describe the basic life processes of animals, such as feeding, moving, and growing.</p> <p>(M) (T)</p>		<p>I can observe and record the daily and seasonal changes in the environment.</p> <p>(M) (T)</p>
<p>I can conduct fair tests to investigate scientific questions, like what plants need to grow.</p> <p>(M) (T)</p>		<p>I can use simple equipment to gather and record data in a systematic way.</p> <p>(M) (T)</p>
	<p>I can present my findings using charts, tables, and written investigations.</p> <p>(M) (T)</p>	

Our Deeper Questions

What can we learn from listening to different opinions?

What does this teach us about justice or fairness?

What can we learn about the skills of people and animals?

What can create or invent to help wildlife in our locality and the UK?

How can we look after people and things, who may need our protection?



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Science

Year 3



Well done Sehr gut Bon travail Da iawn

I can ...

I can compare and group rocks and soils based on their properties and uses.

M P T

I can describe the life cycles of some animals, including amphibians and insects.

M P T

I can recognise and explain the different parts of a plant and their functions.

M P T

I can investigate how shadows change throughout the day and in different seasons.

M P T

I can conduct experiments to explore forces, such as magnetism and friction.

M P T

I can formulate testable hypotheses and plan investigations to answer scientific questions.

M P T

I can analyse data, draw conclusions, and communicate my findings through written investigations and presentations.

M P T

I can use a range of scientific equipment to gather and record data accurately.

M P T

Our Deeper Questions

What can we learn from discussing different people's beliefs?

What does this teach us about differences and people's rights?

What can we learn about using nature carefully?

What can we create using natural materials?

How can we create a good community?



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Year 4



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I can ...

I can describe the water cycle and understand the concept of evaporation, condensation, and precipitation.

M P T

I can classify living things into groups based on their characteristics and use classification keys.

M P T

I can investigate electrical circuits and understand the symbols used in circuit diagrams.

M P T

I can explore how sound is produced, transmitted, and heard, including pitch and volume.

M P T

I can conduct investigations to explore the effects of different forces on objects, such as gravity and air resistance.

M P T

I can design and carry out fair tests, controlling variables to ensure reliable results.

M P T

I can analyse and interpret data, identifying patterns and making connections.

M P T

I can present scientific findings using graphs, charts, and written investigations.

M P T

Our Deeper Questions

What can we learn from analysing different people's work?

What does this teach us about respect or equality?

What can we learn about sustainability and being less wasteful?

What can we create or invent to help improve our health?

How can we look after the well-being of the community?



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Science

Year 5



Well done Sehr gut Bon travail Da iawn

I can ...

I can describe the life processes of plants, including photosynthesis and reproduction. (M) (P) (T)

I can investigate the Earth, Sun, and Moon, including their movements and the effects of gravity. (M) (P) (T)

I can explore changes in states of matter and understand the concept of melting, freezing, and boiling. (M) (P) (T)

I can explore and explain the effects of air resistance and water resistance on objects in motion. (M) (P) (T)

I can conduct experiments to explore the properties of materials, such as thermal conductivity and electrical conductivity. (M) (P) (T)

I can develop and refine scientific hypotheses, designing complex investigations. (M) (P) (T)

I can communicate scientific ideas effectively through written investigations and oral presentations. (M) (P) (T)

I can analyse and evaluate data critically, drawing valid conclusions and identifying sources of error. (M) (P) (T)

Our Deeper Questions

What can we learn from inspirational people?

What does this teach us about courage or resilience?

What can we learn about being inclusive?

What can we create or invent to improve our school?

How can we become better leaders and helpers?



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Year 6



Well done Sehr gut Bon travail Da iawn

I can ...

I can explain the concept of evolution and understand how organisms adapt to their environments. (M) (P) (T)

I can describe the functions and interactions of different body systems, such as the circulatory and respiratory systems. (M) (P) (T)

I can investigate the effects of light, including reflection, refraction, and how we see colours. (M) (P) (T)

I can explore the properties of magnets and electromagnets, including their uses. (M) (P) (T)

I can investigate the Earth's changing climate and the impact of human activities on the environment. (M) (P) (T)

I can plan and conduct complex experiments, controlling multiple variables. (M) (P) (T)

I can communicate scientific findings persuasively through extended written investigations and presentations. (M) (P) (T)

I can analyse and interpret data statistically, using advanced techniques. (M) (P) (T)

Our Deeper Questions

What can we learn from the past to make the future better?

What does this teach us about diversity, inequality or bias?

What can we learn about standing up for what we believe?

What can we create or invent to cut down on waste or help the environment?

How can we make a positive change in the world?