
























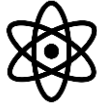
Year 3 Science Provision Map – Working Scientifically








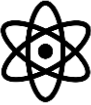
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|---------------------------|---|---|---|---|---|---|---|---|
| | Ask relevant questions | Set up simple, practical enquiries and comparative and fair tests | Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers | Gather, record, classify and present data in a variety of ways to help in answering questions | Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables | Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions | Use results to draw simple conclusions and suggest improvements, new questions and predictions for setting up further tests | Identify differences, similarities or changes related to simple, scientific ideas and processes |
| Plants | Q1 - What are the parts of a flowering plant? What do they do? I PROF Identifying Q3 - How do leaves make food for the plant? - S uggesting | | | Q2 - DO all plants need the same things to thrive and grow? I PROF Comparing Q5 - What do flowers do? I PROF Observing | Q4 - How does water move through a plant? I PROF Observing and Describing | Q6 - What is pollination? I PROF Researching | | |
| Animals, including humans | | Q2 - Where is my skeleton and what does it do? I PROF Investigating | Q2 - Where is my skeleton and what does it do? I PROF Investigating | | Q2 - Where is my skeleton and what does it do? I PROF Investigating | Q1 - What effect does the food we eat have? I PROF Researching | | |
| Rocks | | Q4 - How can I test a rock to identify it as limestone or chalk? Q7 (Optional Learning Question) - Elaborate and remember rocks, soils and fossils. I PROF Investigating | | | | Q4 - How can I test a rock to identify it as limestone or chalk? Q5 - Is soil just dirt? What makes up soil? I PROF Observing Q3 Can rocks change? - E xplaining/ D escribing | | Q2 - What types of rocks are there? I PROF - C lassifying Q1 How are rocks formed? - C reating/ E xplaining Q6 How are fossils formed? - M atching |
| Light | | Q1 - Do we need light to see? I PROF Investigating things? Q3 - What happens to the size of your shadow when the | Q2 - How are shadows formed? I PROF - E stimating and measuring | Q3 - What happens to the size of your shadow when the object moves closer to or away from the light source? - I PROF Explaining | Q3 - What happens to the size of your shadow when the object moves closer to or away from the light source? - I PROF Explaining | | Q1 - Do we need light to see I PROF Investigating things? | |

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|--------------------|--|---|--|------------------------------------|--|--|---|---|
| | | object moves closer to or away from the light source? - IPRO Explaining | | | | | | |
| Forces and magnets | Q4 - What is a non-contact force? IPRO - Handling Data | Q5 - How do magnets attract and repel objects? Annotating Q6 - Which materials and magnetic? | | Q6 - Which materials and magnetic? | | | Q2- How do surfaces affect the resistance of an object's movement? IPRO Predicting Q4 - What is a non-contact force? IPRO - Handling Data | Q1 - What is a contact force? PROF- Observing |

Year 4 Science Provision Map – Working Scientifically

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| Living things and their habitats | Q4 - What groups are plants classified in? IPRO - Questioning | | | | Q3 - What animals are invertebrates? IPRO - Proving | Q2 - What animals are vertebrates? IPRO - Comparing | | Q1 - What are the characteristics of living things? IPRO - Observing Q5 - What is classification? How do I use a key? IPRO - Deciding and evaluating Q6 - What happens if the environment |

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| | | | | | | | | in a habitat changes? IPRO - Predicting |
| Animals, including humans | | | | Q2 Lesson 1 - (Digestion) How does digestion work? What is the process? Generating curiosity and explaining | | | | Q1 (Teeth) - What teeth do humans have? What do they do? PROF - Identifying Q3 (Teeth) - Can teeth tell us what animals eat? PROF - Identifying |
| States of matter | | Q1 - What is matter? What does state mean? IPRO - Reasoning and Measuring Q3 - Melting: How do materials change state? | Q3 - Melting: How do materials change state? | Q3 - Melting: How do materials change state? | | Q4 - Evaporating - How do materials change state? | | Q2 - What are solids, liquids and gases? IPRO - Classifying |
| Sound | Q1 - What is sound? IPRO - Exploring | Q3 - What is the pitch and loudness of sound? IPRO - Knowledge Note Experiment | Q3 - What is the pitch and loudness of sound? IPRO - Knowledge Note Experiment | | Q3 - What is the pitch and loudness of sound? IPRO - Knowledge Note Experiment | | Q1 - What is sound? IPRO - Exploring | |

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| Electricity | | Q2 - What are the components in a simple series circuit? Q3 - What are the effects of changing circuit components and batteries? IPRO Deciding | | | Q2 - What are the effects of changing circuit components and batteries? IPRO Deciding | | Q3 - What are the effects of changing circuit components and batteries? IPRO Deciding | |