





Scope and sequence

| Topic | Page | Objectives |
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| Topic 1 Plant life  | 8 | State that plants are living things Describe some of the things that plants do Investigate the variety of plants in your local environment |
| Topic 2 Plants we eat | 12 | Name the parts of a plant Recognise and name some edible plant parts Care for a growing plant Make popcorn |
| Topic 3 Making things from plants | 16 | Describe some of the uses of plants Process plant materials to make products |
| Topic 4 How do plants grow? | 20 | Explain that seeds germinate Describe the things plants need to grow well Explain how gardeners tend their plants Make a school garden |
| Topic 5 What are animals?  | 26 | Describe some of the characteristics of animal life State that animals reproduce Name some animal babies Explain that animals live all over the world |
| Topic 6 Different kinds of animals | 30 | Group animals in different ways Recognise common vertebrate and invertebrate animals Make a model skeleton |
| Topic 7 Insects | 34 | Describe the main characteristics of insects Identify common insects Name some social insects and describe their behaviour Explain how some insects can be harmful |
| Topic 8 Life cycles | 38 | Explain that animals are born, grow, develop, reproduce and die State that the stages in an animal's life are called its life cycle Describe the life cycles of birds, insects and frogs |
| Topic 9 How do animals survive? | 42 | Classify animals as predators and prey Match familiar predators to their prey Explain why some predators and prey use camouflage Explain how the bodies of animals are adapted to survive in the place where they live |

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| Topic 10 Senses  | 48 | Name the five senses Match each sense to its sense organ Explain how our sense organs keep us safe Care for your sense organs |
| Topic 11 Hearing and making sounds | 52 | Identify common sounds and their sources Recognise differences in the loudness and pitch of sounds Make simple musical instruments Make a sound louder |
| Topic 12 Seeing the world | 56 | Identify and name the parts of the eye Recognise and name colours Investigate colour mixing with paints Make coloured spectacles |
| Topic 13 How things feel | 60 | Describe some of the different sensations of touch Match touch words to objects Recognise shapes by touch |
| Topic 14 Taste and smell | 64 | Investigate our senses of taste and smell Name four basic tastes Conduct a survey |
| Topic 15 Floating and sinking  | 70 | Investigate which objects sink and which float in water Explain how to make a ball of clay float by making it into a hollow shape Explain how boats carry cargo |
| Topic 16 Investigating liquids | 74 | Explain that a liquid takes the shape of its container Compare how much liquid containers can hold by pouring water between them State that salt and sugar dissolve in water Show that oil and water do not mix |
| Topic 17 Heat: sources and dangers | 78 | Identify some common heat sources Describe some of the ways we use heat Identify the dangers of heat and flames Discuss fire safety |
| Topic 18 The sky at night  | 84 | Describe the moon and its features Investigate the formation of craters State that stars are distant balls of blazing gas Recognise some constellations |