## Scope and sequence

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
<th>Objectives</th>
</tr>
</thead>
</table>
| 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  

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