Looking after plants

What learners will practise and reinforce

The activities in this Skills Builder unit give learners further practice in the following topics in the Learner’s Book and Activity Book:

<table>
<thead>
<tr>
<th>Topic</th>
<th>In this topic, learners will:</th>
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</thead>
<tbody>
<tr>
<td>1.1 Plants and their parts</td>
<td>name the four main parts of plants</td>
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<tr>
<td>1.2 Plants need light and water</td>
<td>learn that plants need light and water</td>
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<tr>
<td>1.3 Transporting water</td>
<td>investigate what happens to a plant without roots</td>
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<tr>
<td>1.4 Plant growth and temperature</td>
<td>learn that plants need warmth</td>
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Help your learner

In this unit, learners will practise observing and comparing objects, living things and events (Section 1.1). They will also draw conclusions from results and begin to use scientific knowledge to suggest explanations (Section 1.2). To help them:

1 Encourage learners to observe plants carefully. Ask them if they can see similarities or differences between plants, for example in the shape of their leaves.

2 Help learners to look in the local area for more evidence about how different plants grow in different conditions.

TEACHING TIP

Help learners to develop respect for their environment by looking after plants and handling them with care.
1.1 Plants and their parts

Plant parts

Use the key words to finish the labels on this plant.

Remember:
Say the key words out loud when you write them. It will help you remember them.

KEY FACTS
Plants need healthy roots, leaves and stems to grow well.
Label a real plant

**Resources**
You will need a real plant with flowers, some thin card, sticky tape and scissors.

1. Make labels for the parts of the plant using thin card.
2. Use sticky tape to stick each label on the plant.
3. Put a label for the roots into the soil.

**CHECK YOUR LEARNING**

I can name the roots, stem, leaves and flowers of a plant.
1.2 Plants need light and water

Plant height

Luis has a question.

Do plants need light and water?
He does an investigation to find out.

These are the results after ten days.

1 How many centimetres tall are the plants now?
   Plant 1 ______ Plant 2 ______ Plant 3 ______ Plant 4 ______

2 What does Plant 3 need to make it healthy?
   ________________________________________________________

3 What two things do plants need to grow well?
   ___________________________ and ___________________________

4 Think about it!
   Where do outdoor plants get water from?
   ________________________________________________________

CHECK YOUR LEARNING

☐ I know that plants need light and water.
1.3 Transporting water

No roots!

**Resources**
You will need a flower with some leaves, a plastic cup and some soil.

1. Cut a stem from a plant that has a flower and some leaves.
2. Plant the stem in the soil in the plastic cup. You now have a plant with no roots.
3. Give your plant with no roots a little water every day.
4. Predict what you think will happen after one week and after two weeks.

**Prediction**

<table>
<thead>
<tr>
<th>What will happen to the plant?</th>
<th>After one week?</th>
<th>After two weeks?</th>
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*absorb, transport, predict*
5 Draw what the plant looked like after one week and after two weeks.

Results

<table>
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<th>What happened to the plant?</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>After one week?</td>
<td>After two weeks?</td>
</tr>
</tbody>
</table>

6 Were your predictions correct? _______________________

Think about it!

7 Why do plants need healthy roots and stems?

8 Explain what happened to the plant with no roots.

CHECK YOUR LEARNING

☐ I know that roots absorb water from soil.

☐ I know that plants need healthy roots and stems to grow well.
1.4 Plant growth and temperature

What is the temperature?

1 Fill in the labels for each picture.

- **thermometer**
- This plant is too **hot**.
- This plant is **warm**.
- This plant is too **cold**.

Plant 1

Plant 2

Plant 3

2 Think about it!

What would you do to help Plant 3 grow?

CHECK YOUR LEARNING

☐ I know that plants can be too hot or too cold.