

Plants: How Different Plants Grow

<p>Aim: To observe and describe how seeds and bulbs grow into mature plants by comparing the growth of seeds and bulbs. I can observe and describe the growth of different plants.</p> <p>To observe closely, using simple equipment by measuring and recording the growth of seeds and bulbs. I can make a bar chart to show the growth of my plants.</p>	<p>Success Criteria: I can record how my plants have grown. I can compare the growth of my plants.</p> <p>I can measure the growth of my plants with a ruler. I can record the growth of my plants in a bar chart.</p> <p>Key/New Words: Table, bar chart.</p>	<p>Resources: Lesson Pack Individual planted sunflower and narcissus plants Magnifying glasses Completed Plant Growth Table Activity Sheets per child Rulers</p> <p>Preparation: Differentiated Seed and Bulb Comparison Activity Sheet 2 - 1 per child Differentiated Plant Growth Bar Chart Activity Sheet - 1 per child Seeds and Bulbs Word Mat - as required</p>
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Prior Learning: Children will have planted a seed and a bulb in lesson 2, and recorded their growth on the [Plant Growth Table Activity Sheet](#) in lessons 3, 4 and 5.

Learning Sequence

	<p>Sunflower and Paperwhite: Seat the children next to a talk partner at a table with access to each child's plants and a magnifying glass. Encourage the children to look closely at all parts of their plants and describe them to a partner in detail. Ask the children to compare their plants by thinking of a way that the plants are similar (<i>for example, both have leaves, both are green</i>), and a way in which they are different (<i>for example, the leaves have a different texture, they are different sizes, the leaf formation in relation to the stem is different</i>).</p>	
	<p>Comparing Seeds and Bulbs: Children record the heights of their plants on the Plant Growth Table Activity Sheet for the final time. Children complete the Comparing Seeds and Bulbs Activity Sheet 2 by drawing their sunflower and narcissus plants and writing a similarity and a difference between the two. Children may use the Seeds and Bulbs Word Mat for support. If any of the children's plants have not thrived, discuss the possible reasons why that might be the case.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="212 1193 762 1272">  Children verbally describe a similarity and a difference between the plants to an adult. </div> <div data-bbox="818 1193 1337 1272">  Children write in more detail about similarities and differences between their plants. </div> </div>	
	<p>Bar Charts: Explain that the children are going to use the information they have collected in their tables to make bar charts to show the height of their plants week by week. Using the Lesson Presentation, demonstrate using the data on a table to draw a bar chart showing the growth of a sunflower plant.</p>	
	<p>Plant Growth Bar Charts: Using the differentiated Plant Growth Bar Chart Activity Sheet, children use the information on their completed Plant Growth Table Activity Sheets to create bar charts showing the growth of their plants over 4 weeks. Children complete one bar chart to show the growth of their sunflower and one to show the growth of their narcissus plant.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="212 1541 783 1682">  Children are given adult support to model their bar charts using multilink cubes before completing a single activity sheet based on the growth of the plant of their choice. </div> <div data-bbox="818 1541 1353 1711">  Children complete two bar charts, choosing an appropriate label for their charts and the x and y axes. (A bar chart with the y axis labelled in 2cm intervals has been included to provide further extension if required.) </div> </div>	
	<p>Plants Quiz: Using the Lesson Presentation, children confer in groups of three or four to answer the questions in the quiz, using mini whiteboards to display their answers. Keep score and celebrate the team that scores the most correct answers.</p>	

Taskit

Chartit: For more practise at drawing bar charts, try this [Plants Bar Chart Activity Sheet](#).

Playit: Have a go at [these fun games](#) based on what plants need to grow well.

Presentit: Make and decorate pots for the sunflower and narcissus plants, and send them home as a beautiful gift for parents and carers.