
















# Plants: Life Cycle of a Plant

<b>Aim</b> Observe and describe how seeds and bulbs grow into mature plants. To describe the life cycle of a plant.		<b>Lesson Duration</b> All timings are approximate.	
<b>Success Criteria</b> I can explain how a plant changes as it grows. I can put the stages of a plant's life cycle in order. I can say which stage of its life cycle a plant is in.	<b>Key Vocabulary</b> Life cycle, seed, germination, conditions, shoot, roots, leaves, flowers, fruit, seed dispersal.		
<b>Standard School Equipment</b> None	<b>Preparation</b> Lesson Pack Life Cycle of a Bean Plant Activity Sheet - one per child		

**Prior Learning:** In the previous lesson, children learnt about the inside of a seed and what the seed needs to begin to germinate.

## Learning Sequence

	<b>Remember It:</b> As a class, look at the class plant and record its growth in the <a href="#">Class Plant Diary</a> . Use the <a href="#">Lesson Presentation</a> to recap seeds and the parts of a plant.	
	<b>Life Cycles:</b> Using the <a href="#">Lesson Presentation</a> , discuss the meaning of the term 'life cycle'. Look briefly at the life cycle of a frog on the <a href="#">Lesson Presentation</a> and explain that all living things have their own life cycle.	
	<b>Growing, Growing, Grown:</b> Read pages 11-14 of the <a href="#">Growing, Growing, Grown eBook</a> together to learn about and compare plant life cycles.	
	<b>Life Cycle of a Plant:</b> Show the children the life cycle of a bean plant again. Use the <a href="#">Lesson Presentation</a> to discuss each stage of the life cycle with the children, by clicking each stage to learn more about it. Can the children explain how a plant changes as it grows?	
	<b>More About Germination/More About Seed Dispersal:</b> These slides of the <a href="#">Lesson Presentation</a> can be used to explore more information about the processes of germination (including a time-lapse video) and seed dispersal.	
	<b>Life Cycle of a Bean Plant:</b> Children complete the <a href="#">Life Cycle of a Bean Plant Activity Sheet</a> . Can the children correctly order the life cycle of a bean plant? Can they explain what is happening during each stage of the cycle?	
	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">★</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">★★</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">★★★</div> </div> <p>With support, children complete the life cycle of a bean plant using the <a href="#">Life Cycle of a Bean Plant Activity Sheet</a>.</p> <p>Children complete the <a href="#">Life Cycle of a Bean Plant Activity Sheet</a>. Children explain what is happening at some stages of the life cycle.</p> <p>Children complete the <a href="#">Life Cycle of a Bean Plant Activity Sheet</a>. Children use the images on the activity sheet to try to identify which stage in its life cycle each plant is at.</p>	
	<b>Which Stage of its Life Cycle?</b> Using the <a href="#">Lesson Presentation</a> , show the children the photographs of plants. Do they know which is younger? Can the children explain which plant they think is older or younger and give reasons for their opinion? Now, ask the children to look at the photographs of the next set of plants. In pairs, ask them to decide which stage in its life cycle each plant is at. Can the children explain where they think each plant is in its life cycle? Can they explain their ideas?	

**Explore it**

**Research it:** Children investigate the life cycles of other plants, using secondary sources such as books, eBooks and (with adult supervision) child-friendly websites.

**Observe it:** Children observe how plants in the school environment grow and change throughout the year. They could keep records, including photographs and/or drawings, of their observations.

**Reason it**

Children discuss **Reasoning Card 3 Life Cycle of a Plant**. Children explain the different stages of a plant's life cycle.

**Assessment****Scientific Knowledge****Working Towards the Expected Level**

With support, children can order the life cycle of a plant.

Children:

**Working At the Expected Level**

Children can order the life cycle of a plant and begin to explain what happens at each stage.

Children:

**Working At Greater Depth**

Children can order the life cycle of a plant and explain what happens at each stage. They can use what they know about a plant's life cycle to suggest which stage a plant is at in its life cycle.

Children: