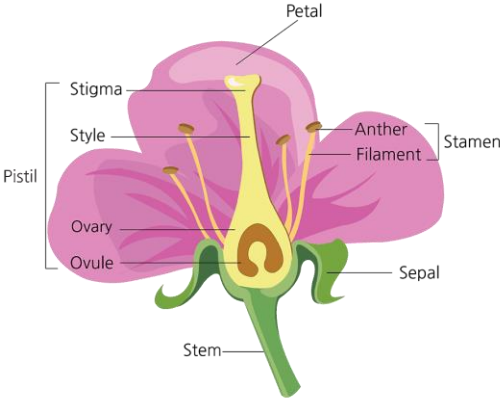




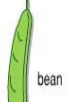














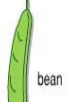














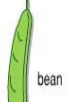












Year 3: Science Plants Knowledge Mat

Subject Specific Vocabulary		Flowering Plant	Important knowledge																								
absorb	To absorb means to take in or soak up.		<ul style="list-style-type: none"> <input type="checkbox"/> I know that roots absorb water and nutrients to feed a plant. <input type="checkbox"/> I know that leaves control the amount of water in a plant. <input type="checkbox"/> I know that stems transport water and nutrients in a plant. <input type="checkbox"/> I know that flowers make seeds once they have been pollinated. <input type="checkbox"/> I know that plants require nutrients to grow healthily and that these nutrients can be found in soil. <input type="checkbox"/> I know that plants require water, nutrients, carbon dioxide and sunlight for healthy growth. 																								
nutrients	A substance that is needed for healthy growth, development, and functioning.																										
water regulation	To maintain or keep the correct amount of water in a plant for healthy growth.																										
xylem	The structures that carry water from the roots to all parts of the tree or plant.																										
transport	To carry something from one place to another. In the case of plants, to carry water and nutrients.																										
pollination	The process that allows plants to reproduce.	<p>How Seeds Travel</p> <table border="0"> <tr> <td>by the wind</td> <td>by animals</td> <td>by water</td> <td>by bursting</td> <td>by humans</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>© 2006 Encyclopædia Britannica, Inc.</p>	by the wind	by animals	by water	by bursting	by humans																				
by the wind	by animals		by water	by bursting	by humans																						
																											
																											
																											
germination	The process by which a plant grows from a seed.																										
seed dispersal	The scattering or spreading of seeds to different places.																										
photosynthesis	The process that allows plants to make their own food supply.																										
glucose	A type of sugar, made by plants and required for healthy plant growth.																										

Working Scientifically

- I can record time and length in an investigation using seconds and mm.
- I can draw the observations I make of a leaf.
- I can accurately label a photograph of a leaf.
- I can write an explanation that describes the function of stems and uses the word because to explain how I know this.
- I can group seeds to show their dispersal method: wind, animal, water, explosion.
- I can predict which plant food will produce the best plant growth and explain why I think this.
- I can explain what I discovered in my investigation and how this informs me about requirements for plant growth.