


# Year 3: Plants Knowledge Mat

Subject Specific Vocabulary		Interesting Book	Sticky Knowledge about plants
<b>roots</b>	The root is the part of a plant that typically lies below the surface of the soil.		<input type="checkbox"/> Trees are more than just part of our natural landscape. They provide shelter and food for wildlife.
<b>stem</b>	The stem is the plant axis that bears buds and shoots with leaves.		<input type="checkbox"/> Trees absorb carbon dioxide and produce breathable air.
<b>nutrients</b>	Nutrients are the food the plant wants. Most of the plant's nutrients comes from the soil.	<b>Important facts to know by the end of the plant topic</b>	<input type="checkbox"/> A large tree can consume 100 gallons of water out of the ground in one day.
<b>pollination</b>	Pollination is the act of transferring pollen grains from the male anther of a flower to the female stigma.		<input type="checkbox"/> Trees not only do they provide shade in the summer, but serve as a windbreak in the winter, too.
<b>seed dispersal</b>	Seed dispersal is the movement or transport of seeds away from the parent plant.	<input type="checkbox"/> <b>Know the function of the different parts of the flowering plant</b> <input type="checkbox"/> <b>Identify and know the names of: stem; roots; leaves and flowers</b> <input type="checkbox"/> <b>Know what a plant needs to grow</b> <input type="checkbox"/> <b>Know that light, air, water, nutrients from soil are all important for plant growth</b> <input type="checkbox"/> <b>Find out how water is transported within a plant</b> <input type="checkbox"/> <b>Know the part that flowers play in the life cycle of a flowering plant</b> <input type="checkbox"/> <b>Know about pollination, seed formation and seed dispersal</b>	<input type="checkbox"/> The oldest known living tree is 4,800 years old.
<b>fertiliser</b>	Fertilisers are used to increase the rate of a plant's growth.		<input type="checkbox"/> Trees are able to communicate and defend themselves against attacking insects.
<b>seed formation</b>	A <b>seed</b> is a small baby <b>plant</b> enclosed in a covering called the <b>seed</b> coat, usually with some stored food.		<input type="checkbox"/> Several centuries ago in Holland, tulips were more valuable than gold.
<b>stigma</b>	The stigma is usually sticky and receives pollen.		<input type="checkbox"/> Some plants such as orchids do not need soil to grow-they get all of their nutrients from the air.
<b>anther</b>	The stamen has a pollen producing structure at the end which is called the anther.		<input type="checkbox"/> Broccoli is actually a flower.
<b>soil</b>	The soil has water and nutrients that a plant needs to grow healthily.		

Generic subject words: annotate, labelled diagram, biology, chemistry, physics, method