

Year 3: Plants Knowledge Mat

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