

Year 3: Plants Knowledge Mat

| Subject Specific Vocabulary | | Working Scientifically | Sticky Knowledge about plants |
|-----------------------------|---|---|--|
| roots | The root is the part of a plant that typically lies below the surface of the soil. | <ul style="list-style-type: none"> <input type="checkbox"/> Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions <input type="checkbox"/> Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. <input type="checkbox"/> Identifying differences, similarities or changes related to simple scientific ideas and processes. <input type="checkbox"/> Using straightforward scientific evidence to answer questions or to support their findings. | <input type="checkbox"/> 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. | | <input type="checkbox"/> 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. | | <input type="checkbox"/> 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. | | <input type="checkbox"/> Not only do trees provide shade in the summer, but they serve as a windbreak in the winter too. |
| seed dispersal | Seed dispersal is the movement or transport of seeds away from the parent plant. | | <input type="checkbox"/> The oldest known living tree is 4,800 years old. |
| fertiliser | 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. |
| seed formation | A seed is a small baby plant enclosed in a covering called the seed coat, usually with some stored food. | | <input type="checkbox"/> Several centuries ago in Holland, tulips were more valuable than gold. |
| stigma | 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. |
| anther | The stamen has a pollen producing structure at the end which is called the anther. | | <input type="checkbox"/> Broccoli is actually a flower. |
| soil | The soil has water and nutrients that a plant needs to grow healthily. | | |

Parts of a Plant

