



The project this term is called **What does a seed need to grow?**

What we will learn

This term the children will be learning about plants, understanding that plants can grow from a seed and a bulb and that a plant needs certain things to enable it to grow and flourish. To begin with we will ensure that the children know the differences between a fruit, a vegetable, a flower and a tree.

During discussion and exploration, the children will understand that plants are living things, and they need food and water to survive. Within the classroom environment, we will grow our own plants and encourage the children to talk scientifically about the conditions needed for plant growth. The children will make predictions before carrying out experiments controlling the conditions that the plant is grown in. The children will be taught how to observe closely and how to record their observations. Using transparent planting vessels, will provide the children with the opportunity to observe root growth and develop a clearer understanding of the parts of the plant and their function such as the transportation of water.

As we move through the project we will explore the life cycle of a plant, understanding that plants have different stages of growth/ lifecycle and how plants, including trees reproduce and the life cycle then starts over again.

Towards the end of the project the children will apply their scientific knowledge and working to identifying parts of a tree, their function and reproduction.

The books we will be reading to support our understanding include:



This term, we are hoping to make a class trip to Palmer Gardens Garden Centre in Trowbridge to look at and buy plants to take back to the classroom to grow. This will be a memorable experience for the children and be key in their understanding of where we can buy plants, seeds and bulbs.



Project related vocabulary

Nouns: plant, bulb, seed, flower, stem, root, stem, tree, leaves, branch, trunk

Verbs: to grow, to spread, to plant, to observe, to explore, to contrast, to transport, to disperse, to pollinate

Adjectives: evergreen deciduous, green, healthy, flowering,decaying

Prepositions: In, on, under, beside, next to, between, behind



To support your child with this project at home, you could:

- Look at garden plants and talk about what they need to grow.
- Read and share stories that lend themselves to discussions about plants, seeds and vegetables.
- Watch and share stories about plants, flowers and growing eg The Tiny Seed by Eric Carle
- Provide opportunities for your child to observe plants in the environment and maybe even grow some of your own fruits, vegetables or flowers
- Go for a walk in the woods to observe plants growing and make plans to return so you can observe their rate of growth
- Visit Westonbirt Arboretum or gardens such as The Courts at Holt.