Hall Place Teachers Notes
How Does Your Garden Grow? - Winter

Science: How Does Your Garden Grow? Buds & Berries - Winter Edition

This session has been developed to show children where food comes from and how plants grow. Suitable for any age and ability from Reception to KS2.

Session Aims

This session aims to develop students understanding of the following topics:

- Where food comes from
- How and what plants need to grow well
- What part the seasons play in plant growth
- How plants grow from a tiny seed
- Plants and animals in the local environment

What will happen during the session?

We will:

- look at how seeds germinate into full grown plants.
- look at different types of fruit and vegetable seeds to guess what they might grow into – including a fun quick quiz.
- Plant seeds in small pots to take back to school to nurture and grow.
- Tour the Kitchen Garden vegetable plots to see what plants are growing at Hall Place during this season and which stage of growth they are at – particularly looking out for buds and berries. The Kitchen Garden can seem bare in the winter season. This enables a discussion about seasons, where our food comes from and what grows in the winter. It shows children what people ate before imported food and supermarkets.

What do you need to bring?

Touring outside in the Kitchen Garden means that **everyone in your group needs to be dressed for the weather- sunny, wet or cold.**

Is there a trail we can do after?

The self-led Tree-mendous Tree Trail will work well with this topic. You can download the adult trail sheets from the learning-resources page on the Hall Place website. There is a summer or winter edition to choose from. Find it at https://www.hallplace.org.uk/learning-resources/ Adults can use the trail sheets to visit specific trees and learn all about them with their student groups.

Learning Outcomes

- Id & describe the basic structure of a plant.
- Observe & describe how seeds and plants grow.
- Find out and describe how plants need water, light and a suitable temperature to grow & stay healthy.
- To identify and describe the functions of the different parts of plants – roots, stem/trunk, leaves & flowers.
- The names of common plants
- Vocabulary – leaves, stem, root, seed, vegetable, germination, food store, seedling, nutrition, pollination, the names of various vegetables.
- How to identity which season it is – observation of and discussion of seasonal changes.
- How seasons effect the growth and availability of plants, fruits & vegetables grown in Britain and the use of imported fresh foods in shops.

Activities

- Guess the vegetable from the seed – using observational skills to see how seeds differ in shape, size & colour. Identifying the seeds from observation, prior knowledge, experiences & given clues.
- How plants grow – a chance for students to name parts of a plant and what they are used for, what happens as a plant grows.
- Looking at a real Spider Plant – observing the leaves, any shoots with baby plants and the root system in real life.
- Planting a seed – the physical process of carefully planting a seed and taking it back to school to grow.
- Tour of the kitchen garden – to see what is growing for the season, why certain plants don't grow in the winter, match growing plants with the seeds observed earlier.

Pre & post visit activities

- Pre-visit or post activity – to look at all the fresh foods available at their local shop/supermarket and read the labels to see where in the world they come from. How many come from Britain?
- Post activity – looking after your seeds and watching them grow at school or home. Continuing to put into practice the knowledge learnt in the session. How long before the first shoot shows? How many leaves does it have? How tall do they grow?
- Post session Tree-mendous Tree Trail as mentioned above. Find this on the Taught Session pages of the Hall Place website near the bottom.