



Design and Technology Topic: Greenhouse

Year: 5 **Term:** Spring 1

Key Knowledge/Content:

- Create sketch books to record their observations and use them to review and revisit ideas.
- Understand the importance of correct storage and handling of ingredients (using knowledge of microorganisms).
- Measure accurately and calculate ratios of ingredients to scale up or down from a recipe.
- Demonstrate a range of baking and cooking techniques.
- Create and refine recipes, including ingredients, methods, cooking times and temperatures

Links to:

Prior learning:

To research submarine designs, investigate the different materials and describe finding, analysing a range of existing products.

Future learning:

To design and make an Anderson shelter model using a range of tools and materials.

Key vocabulary with definition:

Prior vocabulary:

- Research – Finding out about information.
- Investigate – To carry out research or study into.
- Analyse – Examine (something) in detail, typically in order.
- Technology – The use of knowledge to invent new devices or tools
- Investors – Means that an asset is bought or that money is put into a bank to get a future interest from it.

New vocabulary:

- Record – Using a piece of technology to gather evidence.
- Observations – To look at listen to something to gather information.
- Produce – To use materials and resources to make something.

By the end of this unit

All children can: **record** their observations and **use** them to review and revisit their ideas.

Most children can: **demonstrate** how to combine, identify and join materials.

Some children can: **demonstrate** and **explain** how they research designs and **explain** why they chose that specific design.

Background understanding for teachers and parents:

The children are going to create their own plant homes. They need to plant their seeds and use the green houses they have made to record whether their product has done its purpose.

Curriculum Driver (one):

Communication

Evidence outcome:

To discuss their designs, methods and techniques with peers.