



Jerry Clay Academy Subject Unit Overview

Subject: D&T Year Group: 2 Term: Summer

Core Learning of This Unit:

The children will create a structure designed to survive a particular weather condition (eg. A storm shelter) as part of their **What's the weather? theme**. This may be part of a whole-class project (e.g. den building) which then leads into individual project, e.g. design a storm shelter for a lego man to sit inside, considering ways to test and evaluate this.

Children will begin to select tools and materials; use vocabulary to name and describe them; measure, cut and score with some accuracy; use hand tools safely and appropriately; assemble, join and combine materials in order to make a product; evaluate against their design criteria; evaluate their products as they are developed, identifying strengths and possible changes they might make; talk about their ideas, saying what they like and dislike about them.

Prior Learning:

- Make their design using appropriate techniques
- With help measure, mark out, cut and shape a range of materials
- Use tools *eg scissors and a hole punch* safely
- Assemble, join and combine materials and components together using a variety of temporary methods e.g. glues or masking tape
- Use simple finishing techniques to improve the appearance of their product

National Curriculum Statements:

- explore and evaluate a range of existing products
- evaluate their ideas and products against design criteria
- design purposeful, functional, appealing products for themselves and other users based on design criteria
- communicate their ideas through talking, drawing, templates, mock-ups
- select from and use range of tools and equipment to perform practical tasks [for example, cutting, shaping]
- select from and use a wide range of materials, including textiles

Key Vocabulary:

Market research
Annotated diagram
Appearance
Equipment
Design criteria
Final design
Pictogram
Plan
Purpose
Stable
Style
Technology
Three-dimensional
Balsa wood
Glue gun

Significant People/Ideas