



Jerry Clay Academy  
Subject Knowledge Organiser

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