



Jerry Clay Academy Subject Knowledge Organiser

Subject: D&T Year Group: 1 Term: Spring

Core Learning of This Unit:

The children will create a bird house as part of their **What is belonging?** theme.

Pupils will learn to research the thoughts of others, draw on their own experience to suggest ideas; identify a target group for what they design and make; draw a diagram and make their design using appropriate techniques; With help measure, mark out, cut and shape a range of materials (including use of a template) ; 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

Prior Learning:

ELG16: Exploring and using media and materials

- Children develop their own ideas through selecting and using materials and working on processes that interest them. Through their explorations they find out and make decisions about how media and materials can be combined and changed.

40-60+

- Manipulate materials to achieve a planned effect
- Constructs with purpose in mind, using a variety of resources
- Uses simple tools and techniques competently and appropriately
- Selects tools and techniques needed to shape, assemble and join materials

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

Key Vocabulary:

Research
Diagram
Design
Evaluation
Sketch
Template
Technique
Measure
Mark
Cut
Shape
Join
Improvement
Masking tape
Saw
Metal
Plastic
Wire
Decoration
G-clamp

Significant People

- Henry David Thoreau – 1845 – fed birds at Walden Pond.
- 1926 – first bird feeder (designed for hummingbirds) went on the market.
- Pulham & Sons Company developed the first recorded birdbath in Europe in the 1840s.