

**Bullion Lane Primary School
Medium Term Plan for Design Technology**

Year: 1/2

Cycle: A

Term: Summer 2

Topic: Construct a Model Playground

Knowledge

- Recognise the simple features of the playground equipment
- Practice assembling, joining and combining materials and components together using a variety of temporary methods and to make their structures more stable to withstand greater loads.
- Apply what they have learnt through IDEAs/FPTs to design a model that reflects their ideas.
- Use a limited range of materials and techniques to assemble and join components to make realistic models of playground equipment.
- Evaluate their products as they are developed, identifying strengths and possible changes they might make.

Skills

Drawing, planning and communicating ideas

- *Draw on their own experience to help generate ideas.
- *Suggest ideas and explain what they are going to do.
- *Identify a target group for what they intend to design and make.
- *Model their ideas in card and paper.
- *Develop their design ideas applying findings from their earlier research.

Working with tools, equipment, materials and components to make quality products (including food)

- *Make their design using appropriate techniques.
- *With help measure, mark out, cut and shape a range of materials.
- *Use tools, e.g. 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.
- *Select and use appropriate fruit and vegetables, processes and tools.
- *Use basic food handling, hygienic practices and personal hygiene.
- *Use simple finishing techniques to improve the appearance of their product.

Evaluating processes and products

- *Evaluate their product by discussing how well it works in relation to the purpose.
- Evaluate their products as they are developed, identifying strengths and possible changes they might make.
- *Evaluate their product by asking questions about what they have made and how they have gone about it.

Vocabulary

drawing, model, plan, equipment, parts, construction kits, join, fix, framework, movement, structure, weak, strong, edge, surface, corner, point, symmetrical edge, straight, curved

names and shapes of materials which are used in full-size playground equipment eg metal, wood, plastic

types of playground equipment eg swing, see-saw, roundabout, climbing frame, slide, rocking horse

Design
Evaluate, Combine
Select, materials