

## **DESIGN AND TECHNOLOGY POLICY**

### **Rationale:**

“Design and Technology is about making things that people want and that work well. Creating these things is hugely exciting: it is an inventive, fun activity.”

James Dyson, Chairman Dyson Limited.

The teaching of Design and Technology is necessary to prepare pupils to cope with a rapidly changing society and to meet the challenge of the 21st Century. Design and Technology is about planning opportunities for our children to develop skills, knowledge and understanding in order to solve problems and to make products. Design and Technology draws on knowledge and skills from many subjects and in particular Maths and Science, to which it also contributes.

### **Aims & Objectives:**

- ◆ to encourage our children to work independently and with confidence
- ◆ to develop enjoyment and satisfaction in our children's achievements
- ◆ to develop planning skills in thinking ahead and identifying problems
- ◆ to develop perseverance
- ◆ to develop opportunities to apply Maths skills

### **Organisation:**

The delivery of Design and Technology covers designing and making through the following three activities:

1. Investigative, disassembly and evaluative activities (IDEAS).
2. Focused practical tasks (FPTs).
3. Design and make assignments (DMAs).

Each class has the opportunity to work with resistant materials, textiles and food.

All children work with structures, mechanisms and control within each Key Stage.

The place of visits within the D & T Curriculum is highly valued and well used for giving the children experiences beyond the limitations of the classroom. This contributes to their economic and industrial understanding. We have links with industry including Tesco and Pizza Express.

The following are given emphasis within the delivery of Design and Technology:

- the safe use of tools and implements
- the need for hygiene when working with food

We value the importance of looking closely at products, discovering their use, the materials they are made from, how they work and evaluating their performance.

All specialised Design and Technology resources are located in Classroom 6 Stars Room. All food equipment is located in the community kitchen within the Junior building.

The Creation Zone is used in particular for food technology.

**Assessment:**

Design and Technology is a practical subject and as such evidence is collected largely through

- questioning and listening to children.
- observation of children at work individually and within groups.
- assessing FPTs.
- evaluating finished products and written work.

At the end of each year the class teacher records the summative assessment in relation to National Curriculum requirements.

A school portfolio of work has been built up.

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