

St Laurence's C.E Primary School

Policy for Design and Technology

Design and Technology gives children knowledge and understanding to devise methods or solutions. It involves inventive thinking, investigating, planning, evaluating and using a wide range of materials in many different situations.

Through Design and Technology we aim to:

- ◆ develop children's design and making skills
- ◆ develop their knowledge and understanding
- ◆ encourage the use of imagination and creativity
- ◆ guide children to use an increasing range of techniques, processes and resources with confidence
- ◆ develop the confidence to make constructive evaluations of their own work and that of others
- ◆ develop their capability to create high quality products through combining their designing and making skills
- ◆ develop an understanding of technological processes, products and their manufacture.

It also prepares children to take part in the development of tomorrow's rapidly changing world, enabling them to identify needs and opportunities by developing ideas and eventually making products and systems.

Although Design and technology can be taught as a specific subject, it has frequent links with other curriculum areas, such as

- ◆ scientific skills, e.g. predicting and fair testing
- ◆ mathematical skills, e.g. measuring
- ◆ art skills, e.g. drawing, investigating colour and texture
- ◆ ICT skills, e.g. use of computer design when at the planning stage
- ◆ develop language skills through questioning, describing, explaining and presenting their ideas in writing.

Planning

- Throughout their education at St Laurence's Primary school children will cover the following main areas in Design and Technology.
 - ◆ materials and components
 - ◆ mechanisms and control systems
 - ◆ structures
 - ◆ textiles
 - ◆ food
 - ◆ existing products
 - ◆ quality
 - ◆ health and safety.

In the foundation stage much of the design and technology teaching forms part of knowledge and understanding of the world. It is a practical and creative subject and whenever possible it is linked to topics and events.

To ensure that the National curriculum is covered the topics will usually be taught as follows(however individual teachers may alter these plans or add additional units.)

	Autumn	Spring	Summer
Year 1 and 2	Healthy Sandwiches Clay	Castles-Structures Toys/vehicles- Winding up	Textiles – Minibeasts Food-Healthy salad
Year 3	Pin cushions (Sewing)		Packaging and sandwich making
Year 4	World war II storybooks		Textiles – Cushions and Batik
Year 5	Structures (Saxon houses)		Moving toys
Year 6	Photo frames	Bread	Controllable vehicles

Assessment of the children's progress is made:

- a) Through on-going assessment of children's class work
- b) By questioning the children and encouraging them to evaluate their work and consider and discuss any changes they would make.
- c) An account of the subjects children have covered and a level of achievement are provided within the yearly school report for children in Year 2 and Key stage 2.

Inclusion and Differentiation

We believe that it is important for all children at St Laurence's C.E Primary School regardless of gender, race or religious background to experience a range of design and technological activities. We will modify activities appropriately for able pupils and children with special educational needs.

