

Holbrook Primary School
Policy for Design and Technology

At Holbrook we teach Design and Technology because it enables children to learn about the world we live in and to develop a wide range of knowledge and skills through design and making.

Aims

Our aims in teaching Design and Technology are that all children will:

- ✓ develop their designing and making skills;
- ✓ develop knowledge and understanding;
- ✓ develop their capability to create high quality products;
- ✓ encourage creativity and innovation through design and making;
- ✓ explore values and attitudes to the made world and how we live and work within it;
- ✓ develop an understanding of technological processes, products, their manufacture and their contribution to our society.

Approaches

The children need to acquire and apply knowledge and understanding of:

- ✓ materials and components;
- ✓ mechanisms and control systems;
- ✓ structures;
- ✓ existing products;
- ✓ quality;
- ✓ health and safety.

So the emphasis of our teaching of design and technology is on integrated learning, teaching skills, and then linking the subject with many areas of the curriculum, which may be delivered through weekly sessions or blocked if it is more appropriate.

The children will be taught in a variety of ways including:

- ✓ investigative, disassembly and evaluation activities (IDEA)
- ✓ focused practical tasks (FPT) in which they develop and practice particular skills and knowledge;
- ✓ design and make assignments (DMA)
- ✓ working as an individual, in groups or as a whole class experience.

Differentiation

This is done mainly by individual teachers, adult support or by outcome. Where necessary teaching activities can be adapted to ensure children with special educational needs of all kinds may participate fully.

Excellence in Design and Technology is celebrated by

- ✓ displays in classrooms and places throughout the school;
- ✓ sharing ideas and skills with peers;
- ✓ assemblies and other public occasions.

Strategies for ensuring assessment, monitoring progress and continuity:

- ✓ key skills are integrated within the topic cycle, based on units of work from the Q.C.A. scheme of work;
- ✓ cyclical planning over a 3 termly topic cycle will ensure coverage of the key skills and progression through the year groups;
- ✓ written work done by the children, the finished product or photographs of the finished product will be used, in conjunction with the key skills level assessment sheet and discussion with the pupil, to assess the level of attainment in the key skills.

Resources

Design and Technology tools are stored centrally and are returned when not in use. The class teachers are required to purchase their own consumable resources as and when required and have a recommended list of resources from the coordinator.

Resources should be available to the children so that they can achieve their full creative potential.

Health and Safety

Children will be taught to work with care and attention learning to use and look after equipment safely and effectively.