



Policy for Design and Technology

Date: September 2015

Review: September 2018

Design and Technology encourages children to engage in the development of a rapidly changing world. Combining practical skills with creative thinking, children are encouraged to evaluate existing products, develop their ideas –individually or as part of a collaborative process - and design a product or system of their own. Drawing on a variety of core subjects, such as English, Maths and ICT, Design Technology encourages children to be creative problem-solvers, innovators and to develop an understanding of aesthetic, environmental and social issues.

Aims and Purposes:

Opportunities should be planned for children to:

- develop their designing and making skills through discussion about how things work, drawing and modelling their ideas
- develop knowledge and understanding of what good design and technology looks like through use of the internet to explore ideas
- develop their capability to create high quality products through combining their designing and making skills with knowledge and understanding
- nurture creativity and innovation through designing and making, exploring a wide range of materials, resources and equipment, including programming
- learn to understand and use appropriate language linked to design technology
- explore values about and attitudes to the made world and how we live and work within it.
- develop an understanding of technological processes, products, and their manufacture and their contribution to our society
- link to issues of sustainability where appropriate to encourage best DT practice.
- to understand where food comes from and seasonality
- to prepare or cook a range of dishes and understand the importance of a healthy and varied diet

Content:

Children will acquire and apply knowledge and understanding of:

- materials and components
- mechanisms and control systems
- structures
- existing products
- quality
- Health and Safety
- language related to Design Technology
- basic food preparation and hygiene
- a balanced and healthy diet

Opportunities will be planned for children to:

- where appropriate, work over a concentrated period of time on D.T. e.g. one whole day
- develop designing skills, including generating and developing ideas, clarifying a task, creating design proposals, communicating ideas, planning and evaluating (work to be recorded in design journals)
- acquire and refine the practical skills associated with making, including working with materials and components, tools and processes
- use multi-media resources e.g. digital cameras to record and celebrate their work
- use technological, scientific and mathematical language, including appropriate technical vocabulary and drawings
- be creative, flexible and show perseverance
- critically evaluate existing products, their own work and that of others
- find enjoyment, satisfaction and purpose through designing and making
- apply value judgements of an aesthetic, economic, environmental, moral, scientific and technical nature
- to recognise the need for safety and hygiene when preparing food and using kitchen tools
- to be able to follow a recipe, measure ingredients accurately and use appropriate tools to cut, chop, grate, peel and mix

Assessment:

Teachers will assess and level at least two projects a year, looking at each strand of learning relevant to the project. Children will evaluate their own work throughout each project, which is guided by the teacher to ensure on-going assessment and feedback.

The subject leader will monitor process and outcome and identify learning strategies and needs through discussion with children and will keep evidence of work. Evidence will be kept in the DT portfolio, DT journals and as photographic evidence. In addition to this, there are termly subject reviews between the subject leader and the Curriculum Area Governor as well as annual subject leader reports to the Curriculum Learning and Progress Governors Committee.

Resources:

Tools and equipment relevant to each year group, along with Health & Safety Notes, are safely stored in the classrooms. Additional equipment is stored in the Art Store Cupboard.

Scheme of Work:

The scheme of work is planned to link to topics and curriculum progression. Learning partners, both in school and out, are used when opportunities arise to enhance the learning experience.

Safety:

Please use 'Make it Safe' booklet on staffroom pin board for guidance on Safety issues.

Children needing extra support:

Particular needs will be addressed through a planned programme for the individual children according to the school's policy for Special Educational Needs.

Challenging and Engaging Pupils:

To challenge and engage those pupils with a passion for Design Technology activities will be included part of normal classroom practice in the form of differentiated challenges. Where possible, opportunities will be found such as the external Heathside DT Challenge and DT themed events to extend and challenge these pupils.