



COLLIS PRIMARY SCHOOL

**DESIGN & TECHNOLOGY
POLICY**

INTRODUCTION

This policy is a statement of the aims, objectives and strategies for the teaching of design and technology in the school. It was developed in Summer 2004 and was reviewed and updated in October 2007.

WHAT IS DESIGN & TECHNOLOGY

Design & Technology prepares pupils to participate in tomorrow's rapidly changing technologies. They learn to think and intervene creatively to improve quality of life. The subject calls for pupils to become autonomous and creative problem solvers, as individuals and members of a team. Through design and technology, all pupils can be discriminating and informed users of products, and become innovators.

'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

OBJECTIVES

Pupils should be taught to:

- Use communication skills such as drawing, speaking and listening, and modelling in their designing activities
- Use a range of tools and materials in their practical work
- Become increasingly independent in their designing and making
- Record the results of their evaluations and design ideas
- Gather ideas from observation, information media and other people.

SCHEME OF WORK

The school will be following the QCA Scheme of Work for Design & Technology which is in line with the National Curriculum Orders. Teachers will use the weekly planning sheet for their short term planning of lessons. The co-ordinator will oversee the planning to ensure that progression and continuity is taking place.

PUPILS' RECORDS OF THEIR WORK

Pupils are required to record and present their work:

- To help clarify their own thinking
- To communicate with others
- To provide evidence of the work in DT for teachers and pupils, parents and governors
- To engender a sense of achievement.

Recording takes different forms, depending on the nature of the DT activity and the purpose of the activity, for example it can be:

- Symbolic
- Graphical
- Diagrammatic
- Pictorial
- Written
- Constructed (a model)
- Verbal

RESPONSES TO PUPILS' WORK

Responses to pupils' work vary. At KS1 pupils' work is invariably marked in their presence by a teacher.

At KS2 pupils' work is sometimes marked in their presence and sometimes marked later by the teacher. Self-evaluation and peer evaluation is also a response.

Correct or pleasing work is ticked. When necessary, in response to an open-ended task, more solutions may be requested.

When a pupil's work shows a lack of understanding it may be indicated that the pupil should see the teacher before proceeding.

Very pleasing work may be rewarded with a smiley face, drawn by the teacher. Exceptional work is shown to the Headteacher and generally rewarded with a smiley face. Work is regularly exhibited around the school to be recognised by a wider audience.

ROLE OF THE DESIGN & TECHNOLOGY CO-ORDINATOR

The Design & Technology Co-ordinator will:

- Lead the development of design and technology in the school
- Provide guidance for teachers
- Keep up to date with national and local developments
- Be responsible for monitoring and evaluating the subject in the school
- Be responsible for the ordering and storage of tools and materials

SAFETY

Many tools are widely used in most classrooms. Some tools, however, are less commonly used and so teachers need to be aware of the number of important points:

- There is a need for a high level of discipline when children are using tools and rules must be firmly made before the activity and adhered to.
- Children should be made aware of the uses and limitations of tools such as how they should be held and in what area of the room they should be used.
- It is recommended that when working with tools, classes should be divided into small groups.

Refer to publications:

Be Safe
Make it Safe

EQUAL OPPORTUNITIES

Design & Technology will be taught in line with the school's policy on Equal Opportunities. It is important for all children to experience the full range of design and technology activities. Opportunities within design and technology activities will be used to challenge stereotypes.

SPECIAL EDUCATIONAL NEEDS

Design & Technology will be taught in line with the school's policy on Special Educational Needs. It is recognised that it is important to recognise the specific difficulties that individual children might have so that appropriate teaching and organisational strategies can be adopted. However, teachers will ensure that work is challenging yet achievable, all children achieve success which is recognised, and that resources are used appropriately.

RESOURCES

The resources for design and technology will be stored centrally in the design and technology room. Teachers must ensure that all tools and materials are returned to the room. They must also report any resources missing or depleted to the co-ordinator. Teachers should also make use of the local area and other people as a resource for supporting children's design and technology work where appropriate.

REVIEW DATE

This policy is to be reviewed and updated where necessary every two years. Updated policies will be presented to the school's governing body for ratification.

RESOURCES

Suitable resources for progression in accordance with DT NC guidance.

NURSERY – END OF KS1

Making and Testing

Holding & Joining

Glues (PVA/paste)
Paperclips/fasteners
Drawing/dress pins
Sticky tape
Staples

Cutting

Plastic knife
Ruler
Scissors

Materials

Playdough
Plastercine
Clay
Paper
Card
Cloth
Plastic sheeting
Boxes
Blocks
Elastic bands
Wool
String
Pipe cleaners
Straws
Dowel rods
Soft wood
Sand
Water
Containers
Ingredients for cooking
Cooking utensils

Designing and Recording

Drawing and colouring

Pencils
Wax crayons
Oil pastels
Chalk
Charcoal
Felt pens
Biros

Measuring

Rods
Canes
Broom handles
String/rope
Balance
Jugs
Buckets

Telling

Files
Folders
Camera
Recorders
ICT

Structured Play

Construction Kits

RESOURCES FOR PROGRESSION FOR KS2

Making and Testing

Holding & Joining

Hammer/nails
Pliers
Clamp
Screws and driver
Hand drill
Clips
Nuts/bolts
Wood glues

Cutting

Sandpaper
Rotary cutter
Craft knife
Saws
Files
Snips
Scissors
Food utensils

Materials

Corriflute
Balsa
Soft woods
Modroc
Foil
Metals
Acetate
Plastic
Rubber
Ingredients for cooking
Kitchen utensils

Designing and Recording

Drawing and Colouring

Soft/hard pencils
Pastels
Compass
Set squares
Computer
Fine pens
Spray paint

Measuring

Timers
Rulers
Tapes
Spring balances
Protractor
Non-standard measures
Cm/m units
Scales

Telling

Displays
Posters
OHP
Video
Presentations
ICT

Guided Discovery

Construction kits