



POLICY FOR DESIGN AND TECHNOLOGY

1. Definition

Design and Technology is the process of designing, making and evaluating products fit for a purpose, or improving, refining and extending the use of existing products. Design technology is important because

- The designing and making of products is a pleasurable activity that can provide fulfillment throughout life.
- Technological capability is essential to working in a technological society.

2. Aims

Our aims in teaching D &T are that children will

- Develop the knowledge, skills and understanding needed to design, make and evaluate products fit for a specified purpose.
- Develop the practical skills to work with a wide range of materials and components.
- Develop an understanding of systems and structures.
- Work individually, in pairs or in groups.
- Discuss, evaluate and adapt plans suggesting alternatives where necessary
- Evaluate completed work in a constructive way.

3. Curriculum

We follow the National Curriculum 2014 for Design and Technology. Reception children follow the principles of the EYFS

4. Cross-Curricular Skills

D.T. draws upon children's knowledge and skills in other subjects particularly Science (e.g. mechanisms and characteristics of materials), Computing, Mathematics, Language, Art and Personal and Social Education. Opportunities should be given to develop and apply their Computing skills through the study of Design and Technology. Children should be encouraged to obtain, prepare, process and present information, and to communicate ideas with increasing independence.

D.T. can be made relevant by using interesting contexts for children's activities. Where possible, children design and make responding to real needs and opportunities, or those they can relate to e.g. using a story as a starting point.

5. Resources

Classroom resources in D & T include

- A variety of regularly used tools and materials for cutting, shaping and joining (e.g. scissors, glue)



- Paper, card and junk modeling materials
- Plasticine, play dough
- Constructions kits appropriate to the age of the pupils

Central resources include

- A wider range of less commonly used tools for cutting, shaping, joining, combining and finishing (e.g. woodwork tools)
- A range of stiff and flexible sheet materials (e.g. wood, card, plastics)
- Moldable materials (e.g. clay)
- Textiles
- Electrical and mechanical components

6. Health and Safety

A safe working environment is essential and safe practices should be taught from the outset.

Issues include

- Use of materials, tools and techniques in accordance with health and safety requirements as laid down in our health and safety policy.
- Appropriate storage of tools and materials.
- When working with food children should learn basic food hygiene rules.
- Teaching pupils to recognize hazards in a range of products, activities and other environments and to take action to control the risk to themselves and others.

7. Monitoring and Evaluation, Recording and Reporting

The monitoring of the standards of the children's work and of the quality of teaching in DT is the responsibility of the DT subject leader and the head teacher. The DT subject leader is also responsible for keeping informed about current developments in the subject.

Ongoing informal formative assessments in DT are made to guide the progress of individual pupils.

Suitable assessment tasks include

- Individual discussion of ideas and marking of plans.
- Small group discussions in the context of a practical task.

Reporting is done informally at parents' evenings and in the summer via a written report.

8. Equal Opportunities and Special Educational Needs (including gifted and talented children)

Children bring different experiences and talents to D.T. The qualities they already possess should be valued whilst opportunities for widening their experiences need to be created. We are committed to enabling each child to access the whole curriculum. Relevant support and differentiation is provided for children as appropriate. No child will be discriminated against because of issues such as ability, disability, gender, religion or ethnicity.

Adopted ...8/5/2017.....



SignedEllen Whitfield.....
Chair of Governors