



Through wisdom, compassion and endurance, we endeavour to make the best decisions possible for our children

DESIGN & TECHNOLOGY POLICY

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Design and Technology Policy

Vision for Design and Technology

Design and Technology is the process of designing, making and evaluating products **'fit for a purpose'**. Design and Technology activities undertaken at Bournville Infant School will give our children opportunities to use a range of materials and processes, and to work independently or as part of a team.

Our work reflects the National Curriculum requirements for Design and Technology:

'Pupils should be taught to develop their design and technology capability through combining their designing and making skills with knowledge and understanding, in order to design and make products.'

Aims and Objectives

- To develop the knowledge, skills and understanding necessary to design, make and evaluate products fit for a purpose.
- To enable children to become aware of and investigate simple products through disassembly and exploration.
- To develop the practical skills to work with a wide range of materials and components in order to produce a good quality product.
- To develop the skills required to work with food and an awareness of food hygiene.
- To motivate children by providing interesting and stimulating experiences.

Organisation

Our Foundation Stage follow the requirements of the Early Years Foundation Stage (EYFS). This can be found in *'Physical Development'* through the moving and handling of equipment and *'Expressive Art and Design'* through the exploration and use of media and materials and being imaginative.

Design and Technology is taught across the school, as an integral part of topic work and planned cross-curricular links. Children have the opportunity to work individually, in groups and as a whole class. The learning opportunities can be divided into three main areas:

Investigative, Disassembly and Evaluative activities (IDEAs). These activities provide opportunities for children to explore existing products and to gain skills, knowledge and understanding which can be applied to a design and make assignment.

Focused Practical Tasks (FPTs). Focused practical tasks provide opportunities to learn and practice particular skills and knowledge.

Design and Make Assignments (DMAs). A design and make assignment provides an opportunity for children to combine their skills, knowledge and understanding to develop products that meet a real need and are fit for a desired purpose. The children are encouraged to talk about and evaluate their product. (These assignments will vary in duration and complexity throughout the year groups.)

Assessment

Teachers assess children's learning in Design and Technology by observing their work during lessons and assessing it against the Learning Intention. Teachers will use this assessment to ensure progress for each child and attainment and achievement will be reported in each child's annual report.

In the Foundation Stage, assessment is carried out against the 'Development Matters' bands and 'Early Learning Goals' from 'Expressive Arts & Design'.

Management

The role of the Design and Technology leader is to:

- Take the lead in the development of the policy and scheme of work
- Monitor progress and implementation of Design and Technology throughout the school
- Take responsibility for the bid, ordering and organisation of central resources for Design and Technology
- Keep a portfolio for Design and Technology with examples of planning, assessment and children's work.

Class teachers are responsible for high quality planning and teaching of Design and Technology and the Head teacher will actively support and encourage development of staff's subject knowledge, (particularly the subject leader).

Financial resources, agreed by the governors, are made available subject to a bid from the subject leader. Design and Technology is given an annual allocation for consumable materials.

Health and Safety

- Children will be given suitable instruction on the operation of all equipment before use and will be strictly supervised at all times.
- Children should be encouraged to consider risks and hazards and to take action to control those risks by following simple instructions.
- Children should be taught to respect equipment and the need for safe storage.
- Staff and children will take care to wash their hands properly, remove jewellery, tie hair back and wear cooking aprons during food technology.
- Safety goggles should be worn, hair should be tied back and loose clothing should be tucked in when sawing.