



Abberley Parochial V.C. Primary School

Inspiring Hearts & Minds

Design and Technology Policy

Aims and Objectives

The aim of design and technology teaching at Abberley Primary School is to help prepare children for working in a technological world. This is achieved through critical investigation of their environment and the knowledge that it consists of products and systems that have been designed to suit a particular need or purpose. Design and Technology skills will enable pupils to develop and express personal creativity and will support their ability to interact with and influence their manmade environment. Pupils will show their design and technology capability by applying knowledge, skills and understanding to designing and making products that fit a design specification and meet the particular needs of the objective.

The aims of design and technology in our school are:

- To develop children's understanding of the made world in which we live.
- To encourage pupils to combine disciplined enquiry, investigational activities and creativity in order to respond effectively to design situations and challenges.
- To make pupils aware that there may be a diverse range of effective solutions to any one situation and that the appropriateness of final choices will be determined by individual needs and preferences.
- To develop in pupils a high level of practical skills, recognition of the quality of their finished products and a pride in their own practical capability.
- To develop pupil's skills to reflect, review and evaluate their products.
- To encourage pupil's enthusiasm for the wonder of innovation and human ingenuity and the effects of these on people's lives.

Teaching and learning style

Design and Technology at Abberley Primary School is taught within a topic based approach to make the most of the cross curricular links that the subject offers. Design and Technology is still regarded as a subject in its own right to ensure that the main knowledge, skills and understanding in the design and technology programme of study are still delivered effectively. Design and Technology teaching focuses on enabling children to think creatively and critically as designers. Each phase of designing, making and evaluating a product is seen as important and children are encouraged to be active in their learning.

Design and Technology organisation and planning

We follow the National Curriculum subject content for key stages 1 and 2. Class teachers in Key stages 1 and 2 plan for design and technology on their medium term topic planning, where they put the key knowledge, understanding and skills that the children will be developing over a specific topic. Teachers often plan design and technology days to give the children full opportunities to

engage in the designing and making process. The Design and Technology subject leader observes and reviews these plans on a regular basis. The class teacher is responsible for writing a short term plan for their design and technology lessons. These plans list the specific learning objectives for each lesson.

Foundation Stage

The Early Years Foundation Stage curriculum is used for children in Reception class and design and technology is included within the 'Expressive Arts and Design' and 'Health and Self care' areas of learning. Design and Technology in Reception class is included in each class topic by the class teacher and is put in the medium term planning. Children are encouraged to develop their early design and technology skills through active and engaging lessons which aim to teach children new design skills and through their child initiated learning in the classroom where they can freely access the design and modelling area and use the construction resources to progress their skills.

Children with Special Educational Needs (SEN) and Gifted and Talented Pupils

Design and Technology forms part of the school's curriculum policy to provide a broad and balanced education to all children, including those with SEN and gifted and talented children. Design and Technology teaching is differentiated by the class teacher for children of all abilities. We provide learning opportunities matched to the needs of children with SEN and those who are gifted and talented. We take into account the targets set for individual children to ensure progression and challenge.

Assessment and Recording

We assess children's learning in design and technology by making informal judgements as we observe them throughout a design and technology topic. On completion of a topic the class teacher will fill in an assessment sheet which will give the design brief and subject content covered by each child within that topic, notes and next steps for each child. These assessments will help to ensure progress is being made for each child and help to monitor children's progress through the school with tracking. The assessment sheets are used as a basis for assessing the progress of each child and this information is passed on to the child's next teacher at the end of the year.

Health and Safety and Hygiene

The children are taught to use all tools and equipment safely, and with good control. Risk assessments have been done and are stored on Staff Shared for easy access by teaching staff to help inform planning. Teachers are aware of good safety practise in design and technology. All other adult helpers receive suitable instruction on Health and Safety from the teacher in charge. The co-ordinator in our school works with the other teachers to ensure that resources and consumables for design and technology are ordered to allow the curriculum to be fully implemented safely. The co-ordinator has achieved the certificate in Primary Design and Technology Health and Safety.

Food Activities

HACCP forms are completed prior to food activities when there is the use of high, medium and low risk foods. These are stored on Staff Shared to support other teachers when planning food related activities. For food activities children are taught about good health and hygiene practises such as washing hands, tying hair back and wearing protective clothing when working with food. Staff take appropriate measures to ensure areas are clean and appropriate for food preparation .Food only cloths and utensils are kept separate for use and food friendly anti bacterial sprays are sprayed onto a cloth and used on food preparation surfaces. A 'Be Safe' book is available in the science cupboard to provide staff with more information on safety practises and appropriate activities for children.

Resources

Design and Technology resources are mainly kept in the Design and Technology resource cupboard located in the hall. There are also a variety of other resources such as cooking equipment and construction resources which are located around the school. To aid staff there is a full inventory of these resources located within the Design and Technology cupboard. The library also contains a good supply of topic books and software to support children's individual research.

Monitoring and review

Monitoring of the standards of children's work and the quality of teaching in design and technology is the responsibility of the design and technology subject leader, head teacher and the governing body. The work of the design and technology subject leader also involves supporting colleagues in the teaching of design and technology, being informed about current developments in the subject, and providing strategic lead and direction for the subject in the school. The design and technology subject leader will fulfil this role by reviewing samples of children's work and visiting classes to monitor and observe teaching and learning in the subject. The design and technology subject leader works with staff to ensure that resources and consumables for design and technology are ordered to allow the curriculum to be fully implemented.

A subject development plan for design and technology is produced and kept by the design and technology subject leader and this is shared with the head teacher, design and technology curriculum governor and brought to staff meetings when the School Improvement Plans are discussed.

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Date.....

