

Badgerbrook Primary School
Design and Technology Policy
March 2020

Vision

At Badgerbrook Primary School, Design and Technology prepares and encourages children to become independent and creative problem-solvers, both as individuals and as part of a team. It enables them to identify needs and opportunities and to respond by developing ideas and eventually making products and systems. Through the study of Design and Technology our children combine technical knowledge and practical skills with an understanding of aesthetic, social and environmental issues. This allows the children to reflect on and evaluate present and past designs and to develop an understanding of the uses and impacts.

Aims of the policy

To encourage children to:

- develop imaginative thinking and to be able to talk about what they like and dislike when designing and making;
- talk about how things work, and to draw and model their ideas;
- encourage children to select appropriate tools and techniques for making a product, whilst following safe procedures;
- explore attitudes towards the 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;
- foster enjoyment, satisfaction and purpose in designing and making.

National Curriculum Expectations

The national curriculum for design and technology aims to ensure that all pupils:

- *develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world*
- *build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users*
- *critique, evaluate and test their ideas and products and the work of others*
- *understand and apply the principles of nutrition and learn how to cook.*

Teaching and Learning

Design and Technology is taught in a variety of ways across the school, sometimes in blocks of taught time, in short skills-based activities or during Design and Technology focus days. Children are engaged in a broad range of designing and making activities and use a variety of methods such as speaking, drawing, annotations, mock-ups and ICT to communicate their ideas. Activities are differentiated through careful planning and the

selection of resources, thus ensuring that the specific needs of individual children are met, and appropriate support or challenge is provided. Links to other areas of the curriculum such as mathematics, computing, science and art are identified wherever possible. This helps to give the children's work a practical context and encourages them to apply their skills to "real world" problem solving.

Assessment and recording

On-going formative assessment during Design and Technology activities is used to inform end of year assessments. Areas of success are identified as well as next steps to support the children's learning. Teacher assessment will be used to assess children as working below age related expectations, working towards age related expectations, working at age related expectations or working above age related expectations. These assessments will be shared with parents in the annual report.

Monitoring and Evaluating

The Design and Technology Subject Leader is responsible for monitoring and evaluating attainment in Design and Technology across the school. A data analysis summary is completed at the end of each academic year and this information is used to inform an annual action plan for Design and Technology. The subject leader will also identify areas of need within the school and advise and support other members of staff where necessary.

Resource Management

Design and Technology resources are stored in the central store. This will be maintained by the Design and Technology Subject Leader who is responsible for ordering necessary equipment and materials. It is the responsibility of each class teacher to identify specific resources needed for projects within their class or year group.

Health and Safety

It is important that children are taught to use tools and equipment confidently and safely and understand the steps they should take to control risks. Children should be given clear instruction on the use of all equipment before being allowed to work with it and must be carefully supervised at all times. Food hygiene must also be considered when working with food. Children and staff will take care to undertake appropriate hand washing and other hygiene related activities prior to preparing food.

This policy was reviewed and adopted in March 2020 and will be reviewed as part of the 3 year cycle of review.

D & T Subject Leader:

Mrs E Emsley

Signed:



Date: March 2020

Headteacher