



Healey Primary School

Design and Technology Curriculum Statement

Introduction

Design and Technology prepares children to deal with tomorrow's rapidly changing world. It encourages children to become independent, creative problem solvers and thinkers as individuals and part of a team.

Intent

Design and Technology is an inspiring, rigorous and practical subject. At Healey School, we encourage children to use their creativity and imagination to design and make products that solve problems within a variety of contexts, whilst also considering their own and others' needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art.

Key objectives of intent within the Design Technology Curriculum based on the National Curriculum 2014 guidance:

- Products are to be made for a purpose.
- Individuality should be ensured in children's design and construction of products.
- Delivery of the two strands: Designing and Making and Cooking and Nutrition.
- More emphasis to be given on creating 'innovative' products in KS2.
- Teaching the importance of making on-going changes and improvements during making stages.
- Looking into seasonality of ingredients and how they are grown, caught or reared.
- The introduction of computing and coding of products in KS2.
- Researching key events and individual designers in the History of Technology in KS2.

Implementation

The teaching and implementation of the Design and Technology Curriculum at Healey Primary School is based on the National Curriculum and referred to in our bespoke 'Progression of Skills' document. Teachers use planning, resources and assessment grids on 'Plan Bee' to support their teaching. This ensures high standards of teaching and learning in Design and Technology, in addition to a curriculum that is progressive throughout the whole school.

At Healey School, Design and Technology is taught as two units in each year group with every year group having a designing and making unit. One cooking and nutrition unit is also taught in each Key Stage (Year One, Year Three and Year Five.) Topics have been carefully chosen to enable children to gain the knowledge and skills required at an age appropriate level and are progressive as children

move throughout school. At each stage of their learning, from the designing phase to the evaluation, children are encouraged to represent their own ideas, thoughts and feelings.

Early Years Foundation Stage

During the EYFS pupils explore and use a variety of media and materials through a combination of child initiated and adult directed activities. They have the opportunities to learn to:

- Use different media and materials to express their own ideas
- Use what they have learnt about media and materials in original ways
- Make plans and construct with a purpose in mind using a variety of resources
- Develop skills to use simple tools and techniques appropriately, effectively and safely
- Select appropriate resources for a product and adapt their work where necessary
- Cook and prepare food adhering to good health and hygiene routines

Impact:

Assessment of children's learning in Design and Technology is an ongoing monitoring of children's understanding, knowledge and skills by the class teacher, throughout the unit of work. Finished products, along with their design process are celebrated as part of our achievement assembly on a Friday.

The impact of our curriculum will be measured through:

- Children having a good understanding of topic linked vocabulary during and after the unit is taught.
- Images of the children's practical learning through the use of PIC COLLAGE being visible in books and folders, along with designs and evaluations.
- Use of pupil voice and pictures which will convey their ideas and intentions.

In addition, children will have a deep appreciation and enjoyment of design, enriching their learning experience.