

Subject: Design Technology



Intent:

Our intention is for children to be creative, and to develop their imaginations and independence. Children are challenged to plan, design and make products which solve real problems for whole-school projects.

Design and Technology is often used in conjunction with other subjects drawing on disciplines such as mathematics, science, engineering, computing and art to develop more meaningful learning experiences. We use the Kapow scheme of work as our base as it ensures we build upon children's skill and knowledge through the school.

Aims

At Milton Abbot the 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.

Implementation:

As part of this planning process, teachers need to plan the following:

- A knowledge organiser which outlines knowledge (including vocabulary) all children must master;
- A cycle of lessons for each subject, which carefully plans for progression and depth;
- A low stakes quiz which is tested regularly to support learners' ability to block learning and increase space in the working memory;
- Challenge questions for pupils to apply their learning in a philosophical/open manner;
- Trips and visiting experts who will enhance the learning experience;
- A means to display and celebrate the pupils' DT work in their class.

Impact:

Our Design and Technology curriculum is high quality, well thought out and is planned to demonstrate progression. If children are keeping up with the curriculum, they are deemed to be making good or better progress. In addition, we measure the impact of our curriculum through the following methods:

- A reflection on standards achieved against the planned outcomes.
- A celebration of learning for each term which demonstrates progression across the school;
- Pupil discussions about their learning; which includes discussion of their thoughts, ideas, processing and evaluations of work.