



Design and Technology at The Curzon

Intent

At the Curzon our aim is to inspire children to think about the important and integral role which design, and the creation of designed products play in our society. Our curriculum is split into three different areas: 'cook', 'sew' and 'build'. It is designed so that each year group will complete a unit of work in these three different areas once a year. Our curriculum has different aspects of design interwoven into these three areas of study: the environment and sustainability, and enterprise and innovation. These 'aspects' acknowledge enduring and contemporary concerns of modern design.

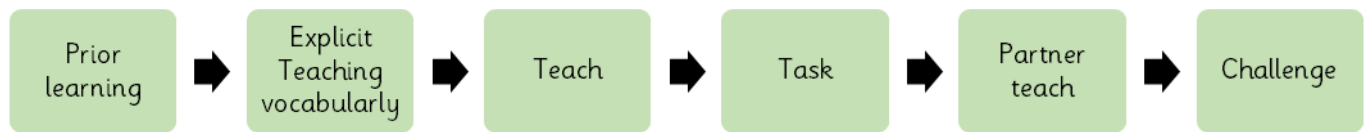
Our learning intention is:

- In 'cook' students learn to cook from recipes which gradually build basic culinary skills, culminating in year six with the creation of a mezze-style meal requiring the pupils to produce various small dishes. Whilst studying these practical skills they learn about concepts relating to food such as nutrition, seasonality, food production, transportation and food from different cultures.
- In 'sew' students practise using fabric and thread to learn basic sewing techniques to create objects which demonstrate embroidery, appliqué, weaving and plaiting. Children will also be taught different concepts such as the properties and creation of different fabrics, fast fashion, industrialisation, waste, recycling and pollution, which are interwoven into different sewing products.
- In 'build' students learn about the creation of structures and mechanical and electrical devices to create products such as cars, moving cards, toys and books. This culminates with year six learning to consider the user in real life, designing a water wall for children in reception. Once again, the practical process of designing and creating a product is interleaved with learning about concepts which have a bearing on what the children make. These concepts, for example force, motion and the properties of materials are often connected with those encountered in our science curriculum.

Implementation

At the Curzon we offer a knowledge rich and progressive curriculum in Design and Technology that inspires children to think about the world around them and how different things are designed and created. Each year the children will undertake three units of work which are split into 'cook', 'sew' and 'build'. Our Curriculum is closely linked with what the children are learning in Art, Science and History and helps support and consolidate learning by allowing the children to make connections between different disciplines.

The sequence of lessons in the 'sew' and 'build' areas of study follow a structure to enable the students to become familiar with, understand and practise the process of design: research and investigate, design, make, use and evaluate. Children are encouraged to have discussions about different parts of the process, as is important to consider the properties of potential materials and the choice of tools. Learning about fundamental concepts, skills, developments in history and understanding of the influence of key individuals in the field are interleaved into this process-driven structure. The students' understanding of key skills and concepts builds from year to year, assessing and cementing prior learning, and therefore the implementation of the curriculum in the given sequence is crucial.



Impact

At the end of each unit the children use their products that they have designed and made and then evaluate them with a partner using scaffolded questions to help children to evaluate their products effectively.

Each child has their own workbook which allows children to showcase their works throughout each unit. Children's workbooks show progression of developing techniques and skills and follow the children through each of the Key Stage.

D&T monitoring will be happening every half term by the subject lead in which workbooks, resources, lesson observations and pupil voice evidence will be observed to ensure D&T is being taught consistently throughout the school and that evidence is being recorded correctly.

