



Design and Technology at St Joseph's



Intent

We aim to inspire pupils to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. Pupils will acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art, and learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens.

Pupils will also be taught how to plan, prepare and cook a range of dishes using different techniques, apply the principles of nutrition and healthy eating, and understand seasonality and how ingredients are grown, reared, caught and processed.

Implementation

Each year, the children will study units which focus on developing specific technical skills, including cooking and understanding nutrition, which takes place in every year. Clear and well thought out sequences of learning with key assessment tasks ensure that new knowledge and skills build on what has been taught before. Discrete lessons are delivered with learning blocked to allow for clear progression in the acquisition of knowledge and the development of skills. Knowledge Organisers provide the structure to learning, specifying key knowledge and vocabulary that we want all children to understand and use fluently.

Through each unit, children research and evaluate existing products and use this information to inform the design, making and evaluation of their own product, based on a design brief to fulfil a particular purpose or need.

Additionally, children learn about the work, achievements and impact of a range of great designers, technicians and inventors.

Impact

The impact for all St Joseph's pupils, including disadvantaged pupils and pupils with SEND, is that they:

- can confidently recall key knowledge about the life, work and achievements of great designers
- can confidently apply knowledge and skills in the design and making of original products
- can evaluate the effectiveness and suitable of their designs
- are confident in using and applying technical vocabulary