

Design and Technology Overview



At Our Lady of the Rosary Catholic Primary School we believe that all pupils should be exposed to creativity consistently throughout their education. Design and Technology aims to inspire children through a broad range of practical experiences to create innovative designs which solve real and relevant problems within a variety of different contexts.

Intent

- We offer a structure and sequence of lessons to help teachers ensure they have progressively covered the knowledge, understanding and skills required in the National Curriculum.
- The intent is to ensure all pupils produce creative, imaginative work with a clear purpose.
- The Design and Technology process encourages children to identify real and relevant problems, critically evaluate existing products and then take risks and innovate when designing and creating solutions to the problems.
- An important aspect of each half term is that time is built in to reflect, evaluate and improve on prototypes using design criteria throughout to support this process. Opportunities are provided for children to evaluate key events and individuals who have helped shape the world, showing the real impact of design and technology on the wider environment and helping to inspire children to become the next generation of innovators.

Implementation

- The teachers will lead Design and Technology with confidence to teach a clear progression of skills and knowledge.
- Collaborative planning lies at the heart of our curriculum implementation. We are committed to improving dialogue across phases; with primary colleagues working closely together to develop high quality units of work.
- Each key stage focuses on different themes to ensure continued interest in the subject as well as acquiring new knowledge.
- The teaching and learning structure allows for the revision of ideas to become part of good practice and ultimately helps to build a depth to children's understanding. Through revisiting and consolidating skills, it encourages children to build on prior knowledge alongside introducing new skills, knowledge and challenge.
- The revision and introduction of key vocabulary is built into each lesson.

Impact

- Teachers have higher expectations and more quality evidence can be presented in a variety of ways.
- All children use technical vocabulary accurately and pupils are expected to know, apply and understand the matters, skills and processes specified.
- The impact will be seen across the school with an increase in the profile of Design and Technology.
- The learning environment across the school will be more consistent with design and technology technical vocabulary displayed, spoken and used by all learners.
- Impact can be measured through key questioning skills built into lessons and summative assessments aimed at targeting next steps in learning.