

Design and Technology – curriculum journey at St Patrick's

INTENT

It is our intent at St Patrick's Catholic Primary School to provide pupils with a high-quality education in Design and Technology.

We encourage children to use their creativity and imagination, 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.

We aim to, wherever possible, link work to other disciplines such as mathematics, science, engineering, computing and art.

The children are also given opportunities to reflect upon and evaluate past and present design technology, its uses and its effectiveness and are encouraged to become innovators and risk-takers.

As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Laying strong foundations in Early Years by:

Supporting children to:

Through teaching and continuous provision, DT in EYFS enables children to:

- Hold conversation when engaged in back-and-forth exchanges with their teacher and peers.
- Participate in small group, class and one-to-one discussions, offering their own ideas, using recently introduced vocabulary.
- Offer explanations for why things might happen, making use of recently introduced vocabulary from stories, nonfiction, rhymes and poems when appropriate;
- Express their ideas and feelings about their experiences using full sentences, including use of past, present and future tenses and making use of conjunctions, with modelling and support from their teacher.
- Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate.
- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.

Providing children with opportunities to:

- Develop the confidence to try new activities and show independence, resilience and perseverance in the face of challenge.
- Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.
- Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate.
- Use a range of small tools, including scissors, paintbrushes and cutlery.
- Share their creations, explaining the process they have used.
- Describe something they want to make / build / construct.
- Say who they are making / building / constructing for
- Talk about which materials they are going to use when making / building / constructing.
- Make / build / construct objects using a variety of materials.

♥ Continuing Christ's Mission ♥

	Autumn	Spring	Summer
Year 1	Slider Mechanisms	Creative Kitchen	Frame Structures
Year 2	Lever Mechanisms	Creative Kitchen	Solid Structures
Year 3	Creative Kitchen	Frame Structures	Paper Circuits
Year 4	Creative Kitchen	Linked Levers	Shell Structures
Year 5	Frame Structures	Cams	Creative Kitchen
Year 6	Arch Structures	Pulleys and Gears	Creative Kitchen