Design & Technology Curriculum

Intent		Our aim for Design and Technology is for our pupils to unlock their potential as designers, engineers and technologists, developing problem solving skills and creative thinking. Preparing them for a whole range of possible future careers in the creative sector. Through carefully planned lessons and projects with an emphasis on skills progression pupils are provided with opportunities to learn and develop their design and making skills. Meeting our children's needs and experience levels by providing opportunities to expand their cultural capital through off site visits and specialist visitors to school. Making the most of our local area with local galleries, workplaces, designers and architecture, as well as festivals and projects. We are also able to work with our academy partners to share and promote design and technology across the schools through the Portico art and design festival. Our whole school curriculum driver of aspiration is reflected in our focus on building children's aspirations through design and technology, giving them the skills that they can use in future careers in the design, engineering, technology industries. Encouraging children to build on their strengths and interests, recognising the value they will hold in later life.

Implementation

What

In Early Years children are given access to a wide range of materials and equipment in their creative areas with opportunities to develop skills through trial and error exploration and adult guidance.
In Key Stage 1 children are introduced to new skills across a range of areas of design and technology and given opportunities to develop these whilst working towards an end project. Children are encouraged to plan, design, make and evaluate their work in sketchbooks.
In Key Stage 2 children build upon previous learning to further develop their skills and techniques with an emphasis on using design criteria to inform their planning and evaluations.

How

Resources and Equipment	Planning	Environment
We have a student kitchen complete with 4 cooking stations which allow for more in-depth teaching of food & nutrition across the school. We have a range of equipment and tools that allow for the key concepts of design & technology to be taught through hands on practical whole class lessons.	Planning comes from the learning sequence that ensures children's skills progression covering a broad range of areas of design & technology. Lessons are planned with an emphasis on process over product allowing for the learning of new skills and techniques as well as building on those previously learnt. Planning also has a focus on building children's vocabulary linked to each lesson.	We are fortunate in Southend to have local galleries, workplaces, designers and architecture such as our pier and cliff lift that we can visit and use as inspiration and discussion points. We also have access to local events such as 'the village green' and projects that provide our children with new experiences and opportunities to learn and discover their own talents.

Impact

Quality of Education	Behaviour and Attitudes	Personal Development
Through carefully planned progression of skills, children build up a bank of skills and technical knowledge throughout their time at school. Children have their sketchbooks that follow them through the school that they can use to refer back to prior learning. Children are developing a good level of technical knowledge across the school and can demonstrate their knowledge through discussion and practical activities.	Pupils can develop a range of their learning powers through DT as it encourages them to use their imagination and be creative. Perseverance and having a go are vital to developing DT skills and a fun part of the process. As a creative subject DT allows for children of all abilities to access learning and as a result builds confidence and resilience.	DT lessons help to develop important life skills that are essential throughout life including teamwork and thinking creatively. Children also develop perseverance as they learn through trial and error and the power of mistakes. DT allows children to look at works by a variety of designers from a mix of backgrounds. It also opens up children's prospects to a whole range of job opportunities in the creative sector.

Monitoring

Conversations with Pupils	Work Scrutiny	Planning Scrutiny	Teaching and Learning Observations