



Making a difference with kindness, creativity and pride

ST PAUL'S DESIGN & TECHNOLOGY CURRICULUM

Intent

While working within a budget, we aim to allow our children to be ambitious with their designs and with the materials with which they work. By analysing existing products we aim to give children experience of a variety of possible solutions to a design brief, ensuring we represent other countries and cultures. When teaching DT, we use subject specific vocabulary so that we enhance the language of our pupils. This new language is reinforced through the knowledge organisers which are shared with parents.

IMPLEMENTATION

Early Years

Although DT is not taught explicitly in our Reception classroom, skills the children learn in other parts of their curriculum will enable them to access the Year 1 curriculum when they transition into KS1. Children are encouraged to design things that they can use in the play, such as cars, phones or houses made out of boxes and other recycled materials. Children are given opportunities to experience skills used in baking, such as on Pancake Day. Children are continually exposed to opportunities to improve their fine motor skills in different areas of the environment.

Below is an overview of our DT curriculum across the rest of the school.

DT Curriculum Overview			
Key Concepts: Textiles, Structures, Food Technology, Mechanisms, Electrical and Digital Technology			
	Autumn 2	Spring 2	Summer 2
Year 1	Homes (PlanBee) Structures	Moving Pictures (PlanBee) Mechanisms- Sliders and pulleys	Making a Healthy Snack (cereal bars) Food Technology
Year 2	Moving Vehicles (Plan Bee) Mechanisms- wheels and axels	Perfect Pizza (PlanBee) Food Technology	Puppets (PlanBee) Textiles
Year 3/4	Christmas Stockings (PlanBee) Textiles	Moving Monsters (PlanBee) Mechanisms- Levers and linkages	Mini Greenhouses (Planbee) Structures
Year 4/5	Building Bridges (PlanBee) Structures	Fashion and Textiles (PlanBee) Textiles	Seasonal Food Food Technology
Year 5/6	Alarms (PlanBee) Electrical Technology	Moving Toys (PlanBee) Mechanisms- cams	Unit 1 - Sensing (Programming – taught in Y5/6 computing) Digital Technology Unit 2- Chocolate Truffles Food Technology

Supporting children with SEND

We have a mastery approach to teaching and learning to ensure we are ambitious about what all children can achieve and we do not believe their ability is ‘fixed’ for every subject. In DT learning is scaffolded for children by:

- Re-iterating points during class discussions
- Displaying key vocabulary
- Modelling answers
- Assessing prior knowledge before teaching new content

- Addressing misconceptions early
- Positive reinforcement and strategies to encourage a growth mindset
- Checking in with learners throughout activities
- Modelling the correct use of vocabulary

Impact

We encourage our children to enjoy and value the curriculum we deliver. We want learners to discuss, reflect and appreciate the impact that DT has on their learning, development and well-being. The skills and knowledge taught in DT are key to promoting a creative and healthy way of living. We encourage regular discussions between staff and pupils to ensure that pupils continue to have a voice in their learning and enjoy their learning, enhancing the chances of new knowledge being retained.