



THE INTENT, IMPLEMENTATION AND IMPACT OF THE DESIGN AND TECHNOLOGY CURRICULUM

Our vision is to prepare our children with skills for life which will aspire them to be creative individuals.

INTENT

At Wildmoor Heath, our six unique curriculum drivers play an important role in the teaching and learning of Design and Technology; these are Opportunities, Creativity, Environment, Well-Being, Communication and Community.

Our DT intent is to inspire our children to use their imagination to design and make products within a variety of contexts, with a great selection of materials and meaning to their learning. At Wildmoor Heath, our six unique curriculum drivers play an important role in the teaching and learning of Design and Technology. When possible, we aim to link DT work to other subject areas such as mathematics, science, computing and art. Teachers ensure that our learners have opportunities to reflect upon and evaluate their own work and each other's work constructively, as part of the development of their vocabulary and confident speaking and listening skills.

IMPLEMENTATION

Our DT curriculum is inclusive and progressive, allowing learners to learn and apply their skills to more difficult projects. We teach Design and Technology as a termly theme, focusing on the knowledge and skills stated in the National Curriculum. Wildmoor Heath learners are taught to design, make, evaluate, learn technical knowledge and vocabulary, understand about nutrition and take part in cooking classes.

We use the following areas to plan our Design and Technology curriculum:

- Mastering practical skills;
- Identifying and using key vocabulary
- Design, make, evaluate and improve;
- Take inspiration from design throughout history;

We believe it is important to give the children 'real life' hands on experiences and continuously strive to create these opportunities for the children. Previously, learners have enjoyed the opportunity of working with Barratt Homes, helping to build a wall for the new housing development in Crowthorne. Pupils also have the opportunity to take part in a 'roots to food' workshop where the children learn about where the food that they eat has come from and enjoy cooking a delicious and healthy meal.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	Materials: Building a rocket.	Food: 17 th century bread. Materials: Tudor houses.	Materials: Caves.	Food: Roman bread. Materials: Italian landmarks.	Mechanics: Pop up rockets.	Food: Food rations
Spring	Food: Healthy snack/ Easter nests.	Materials: Making castles	Textiles: Tie dye pillows.	Textiles: Weaving Egyptian bowls.	Textiles: Weaving/ Viking jewellery.	Textiles: Bean bag tree frogs.
Summer	Textiles: Felt puppets.	Materials/ mechanics: Toy cars.	Construction/ mechanics: Catapults.	Electronics: Circuits.	Materials: Shelters/ bridges.	Materials/ mechanics/ Electronics: Fairgrounds.

IMPACT

By the end of their primary education at Wildmoor Heath, children will have met the National Curriculum objectives in Design and Technology, well prepared for their future learning at secondary school. They will have developed a fascination in Design and Technology, and will be interested and prepared to take part in the development of tomorrow's rapidly changing world.

By the time pupils leave Year 6 they will have:

- Significant levels of originality and the willingness to take creative risks to produce innovative ideas and prototypes;
- An excellent attitude to learning and independent working;
- The ability to use time efficiently and work constructively and productively with others;
- The ability to carry out thorough research, show initiative and ask pertinent questions to develop a finely detailed knowledge of users' needs;
- The ability to act as responsible designers and makers, working ethically, using finite materials carefully and working safely;
- A thorough knowledge of which tools, equipment and materials to use to make their products;
- The ability to apply mathematical knowledge;
- The ability to manage risks exceptionally well to manufacture products safely and hygienically;
- A passion for the subject and knowledge of, up-to-date technological innovations in materials, products and systems.
- A secure understanding of the subject specific vocabulary.
