



Design and Technology

Intent | Implementation | Impact



Curriculum Intent

At Owslebury Primary School, Design and Technology is an inspiring, practical and creative subject that equips children with the knowledge, skills and understanding to solve real and relevant problems in a rapidly changing technological world. Our curriculum is ambitious and inclusive for all pupils and is designed to develop curiosity, resilience, creativity and independence.

Through engaging and meaningful contexts, children learn to design and make purposeful products that consider the needs, wants and values of themselves and others. The curriculum draws upon and applies knowledge from a range of subjects including mathematics, science, computing and art, enabling pupils to make meaningful connections in their learning.

Our Design and Technology curriculum is carefully sequenced so that knowledge, skills and technical vocabulary build progressively from Early Years through to the end of Key Stage 2. Children revisit and deepen their understanding of materials, mechanisms, structures, textiles and food technology as they move through the school, allowing them to become increasingly confident designers, makers and evaluators

- We want to develop children's curiosity in the increasingly technological world around us and engage practically with it.
- Children will develop their own creative ideas as individuals and as part of a team.
- They will use their creativity and imagination and have opportunities to design and make products that build and apply a range of knowledge, understanding and skills.
- Children will work with others to solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.
- Through evaluating and testing ideas, the children at Owslebury Primary School will become learners who can reflect critically on their designs.
- As the children move through the Key Stages, we want the children to be able to apply learnt cooking skills and understand the principle of nutrition.
- We want children to have a love of Design Technology and develop their creative design and making skills.

Curriculum Implementation

Design and Technology is taught in line with the National Curriculum and is carefully mapped across the school to ensure coverage, progression and coherence. Pupils follow a clear and consistent design process of designing, making and evaluating, which is revisited and built upon as they progress through the year groups. Within this process, children develop technical skills across a wide range of areas, including textiles, construction materials, mechanisms, mouldable materials, and food preparation and nutrition. Teaching focuses on developing both practical skills and subject knowledge. Children are encouraged to take risks, test ideas, select appropriate tools and materials, and persevere when challenges arise. They are taught subject-specific vocabulary and are given regular opportunities to explain their thinking, justify design choices and reflect on outcomes. Assessment is ongoing and takes place through observation, discussion, practical outcomes and evaluation work. Lessons are inclusive and appropriately adapted to ensure that all pupils, including those with SEND and disadvantaged pupils, can access the curriculum and achieve success.

Curriculum Impact

By the time children leave Owslebury Primary School, they are confident, capable and creative designers who can apply their knowledge and skills to a range of practical challenges. Pupils demonstrate increasing independence, resilience and problem-solving skills, and can articulate their ideas using appropriate technical vocabulary. Children are able to evaluate products thoughtfully and fairly, recognising both strengths and possible improvements, and are confident in responding to feedback. They understand how design and technology has shaped the world around them and are well prepared for the next stage of their education. The impact of our Design and Technology curriculum is evident in the quality of pupils' work, their ability to explain and justify design decisions, and their enthusiasm for the subject. Pupils leave Owslebury with secure practical skills, an understanding of nutrition and healthy lifestyles, and the confidence to participate successfully in an increasingly technological world.