



SHREWSBURY
HOUSE SCHOOL

DESIGN TECHNOLOGY



Design and Technology gives pupils the opportunity to develop their skills, knowledge, capability and understanding of designing and making functional products. It is vital to nurture creativity and innovation through design, and by exploring the designed and made world in which we all live and work.

In Design and Technology, pupils acquire and apply knowledge and understanding of materials and components, mechanisms, structures, existing products, quality and health and safety. They are encouraged to be creative and innovative, and are actively encouraged to think about important issues such as sustainability and enterprise.

Projects have included:

- Hydraulic arm operated by syringes
- Bird houses
- Labyrinth
- Drag racer
- Foam gliders
- Various projects using a 3D pen and 3D printer.

Design and Technology is often one of our pupils' favourite subjects. Pupils like making decisions for themselves and doing practical work. They love creating products they can see and touch for themselves; they feel proud to have done so. Overall, the boys get a chance to explore basic engineering and architectural skills.

Our Curriculum for Design and Technology aims to ensure that all pupils:

- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world;
- Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users; and
- critique, evaluate and test their ideas and products and the work of others.

We aim to take this further, exploring opportunities to blend technology with STEM (Science, Technology, Engineering and Maths) as the subject becomes more embedded in the curriculum: we believe that making links between curriculum subjects, skills and processes will deepen the boys' understanding by providing opportunities to reinforce and enhance their learning. A majority of the formative assessment at Shrewsbury House will be taken from cross-curricular work where children are applying taught matters, skills and processes.

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making.

Mr C Spires

Head of Design Technology