

Design and Technology Policy

Introduction

Design and technology encourages pupils in our school to think creatively and to produce designs and ideas which can be used to make products in various materials including wood, metal, and plastics.

Pupils are encouraged to develop ideas and designs to aid in the production of a range of products in response to the design brief of the qualification.

Aims

- To increase and to develop pupil's skills in designing and making products within their own capabilities, while working safely and effectively with a wide range of tools and equipment.
- To develop and enhance pupil's creativity, and innovation by giving them some freedom to experiment and develop their own ideas.
- To increase the understanding of technology and processes how they work, and what place they have in society.
- To increase the understanding of how design and technology has, and can influence the society we live in.

Design

Create designs from various sources to then make sketches and explore different design options, then move on to make products that are functional and fit for purpose.

Make

Choose and use a range of tools and materials and various light machinery EG drills, hand drills, and other tools to complete various tasks such as sawing, shaping, drilling, sanding, finishing, etc,



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Every Pupil Achieves

Evaluate

Pupils are encouraged to look at various products and how they are designed and made, along with this, pupils evaluate different products, part of the entry level certificate contains a unit dedicated to the evaluation of products, this promotes investigation and gives pupils the chance to explore and learn about the properties of different products, EG flexible, light, multi-functional, value for money, etc.

Resources

The school has an off-site practical workshop which is fit for purpose, it comprises of work benches, desks, and various light machinery, EG pillar drill, arc welder, grinder, as well as various hand tools. Materials are stored at the workshop but only in small amount as we tend to encourage pupils to experiment with different ideas and therefore may need to go out and buy materials relevant to that pupil's practical project.

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