



PUTTING THE FUN BACK
INTO LEARNING!

Dear Parents and Guardians,

The study of design and technology seeks to prepare students to participate confidently and successfully in an **increasingly technological world**; and be aware of, and learn from, wider influences on design and technology, including historical, social/cultural, environmental and economic factors.

In **Design & Technology** pupils will be expected to create prototypes and at least one product by undertaking an iterative design, make and evaluate project based on a set design brief.

When completing their project students will apply the **designing and making principles** and their **technical knowledge and understanding**

In February pupils will focus on aspects of DT such as:

- Making links to other academic subjects such as Art and Design, Mathematics, and English
- How to read and interpret drawings and diagrams.
- How to create a 3D representation of geometrical shapes

The main focus this term is to build the students confidence and to develop their affective and psychomotor domain for the subject, further instilling an understanding of DT pedagogy.

Some of the things you may do in Design Technology (including G6 – G8) lessons are:

- Use freehand sketching, colouring and shading to represent objects
- Work on your independence as well a focus on team building skills
- Introduction to CAD/CAM (3D Design, 2D Design and Laser Cutting)
- Drawing & Designing
- Incorporating styles/themes/aspects of DT to industrial links

Basic subject introduction

Grade 6:

- Identify 3D drawing techniques
- Working out calculations of 3D shapes/objects
- Understand how to use geometrical shapes to enhance drawings.

Grade 7:

- Identify drawing techniques that help create 3D visuals.
- Make links between drawing techniques and how they are used in industry.
- Identify cross-curricular links to other subjects

Grade 8:

- Identify all types of drawing equipment.
- Explore and create a range of drawing techniques such as:
 - *Isometric drawing*
 - *Perspective drawings*
 - *Orthogonal*
 - *Technical*
 - *Orthographic*

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Please do not hesitate to contact me if you have any queries.

Thank you.

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