



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 January pupils begin to develop techniques such as:

- Creating 3D representations of geometrical shapes
- Making links to other academic subjects such as Mathematics
- Reading and interpreting drawings and diagrams.

The main focus this term is to build the students confidence and to develop their affective and psychomotor domain for the subject.

**Some of the things you may do in Grade 6 to 8 Design Technology lessons are:**

- Use freehand sketching, colouring and shading to represent objects
- Work on your independence as well a focus on team building skills
- Organise and maintain a book of drawings and notes.
- Introduction to CAD/CAM (3D Design, 2D Design and Laser Cutting)
- Drawing and Designing

**Basic subject introduction**

**Grade 6:**

- Identify 3D drawing techniques
- Tessellation and pattern repeat
- 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.

**Grade 8:**

- Identify all drawing equipment.
- Be able to create a range of drawing technique such as:
  - *Isometric drawing*
  - *Perspective drawings*

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

Thank you.

Mr Tharan

Design Technology Department