DESIGN AND TECHNOLOGY

SYLLABUS

Form 1

The Workshop Rules

The Tools

Design Techniques (Printing letters and Numbers)
Design Techniques (Measuring and giving dimensions in mm)
Design Techniques (Basic shape construction)
Design Techniques (Oblique)
Design Techniques (Isometric)

The Situation – The Problem that needs to be solved

Plan of Work – The Design Process used to tackle the problem

Wood – Basic information
Manipulating wood – Measuring, cutting and joining

Research – How to make a good research

Basic Electronics – Sources of Power (Battery)
Basic Electronics – Conductors and Insulators, Connectors and Switches
Basic Electronics – Bulbs, LEDs and motors
Basic Electronics - Resistors

Initial Ideas – Generating ideas for the given situation
The Chosen Idea – One of the initial ideas is chosen

Plastic – Basic information
Manipulating plastic – Measuring, cutting and joining

Development – Develop Chosen ideas in preparation for the making

Metal – Basic information
Planning – Work plan of the Making

Making – Practical work on the project which together with the Folio carry 25% of the Annual Mark

Testing and Evaluation – How to properly test the product done during the practical work