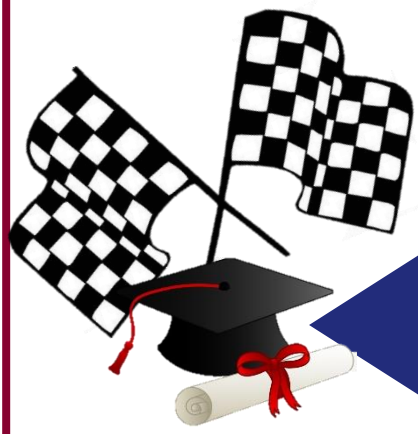


DT – RM & Engineering



Unit 2 – Producing Engineering Products

Demonstrate a range of engineering processes to produce a product

Manufacturing Diary

Production Plan/ Job Sheet

Interpret Engineering Drawings

Evaluate quality of engineered product

Demonstrate safe use of tools and equipment

Stock Orders – identify materials needed

Links to other engineering designs/ products

Isometric Drawings of Solutions

Orthographic Drawings of Solutions

Unit 1 – Engineering Design

YEAR 11

Annotation of Designs

SWOT Analysis

Evaluating Design Solutions

Propose a Final Design

Initial Ideas

Design Specification

Using and Applying ACCESS FM

1st Attempt at External Exam

Types of Production

Smart/ Emerging Technology

Electronic Components

Environmental Issues

Unit 3 Exam

USB Lantern

Design Inspiration

Product Analysis

Task Analysis

Revision Techniques

Soldering

Material Properties of Composites

ACCESS FM

Isometric Drawing

Passive Amplifier

Surface Area and Volume

Material Properties of Metal

Equipment and Functions

Isometric Drawing

Manufacture of a Passive Amp

CAD – 2D Design

Testing of Materials

Material Properties of Wood

Joining Methods

Types of Finishes for Wood and Metal

Orthographic Drawing

CAD – Google Sketch Up

Material Properties of Polymers

Use of the Laser Cutter

Coat Hook

Evaluations

Cold Forging

Testing

Woods Theory

Design Ideas and Annotation

ACCESS FM

Health and Safety

Shaping

Design Ideas and Annotation

Mood Boards

Following instruction

Try Square

Tenon Saw

Marking Out

Bottle opener

YEAR 10

Flicker puzzle

Keylight

Box

YEAR 9

Night Light

Structures

YEAR 8

Intro to Art Deco

Plastics Theory

Prototypes

Testing/ Development

Task Analysis

Use of Triangulation

Construction using Paper

Properties of Card & Paper

Design Ideas and Annotation

Construction Techniques

One-off Production

Manufacturing using Pine

Design Ideas

Design Brief

YEAR 7

Tangram

Helicopter

Keyfob Design

Theme Ideas

Movement and Motion

Design Specifications

welcome