

My DT Learning Journey

Students will demonstrate a passion for designing and making products from a variety of materials, including resistant materials, textiles, electronic components, card and paper.

A wide range of tools and equipment will be used so that students can convert ideas through the solving of real life products through the use of raw materials and creating a finished prototype.

Level 3 Engineering, A Level Design & Technology, Product Design, Fashion & Textiles, Engineering. BTEC Level 3 Art and Design. Apprenticeships – Construction, Plumber, Electrician, Engineer, Motor Vehicle, Technology/Repair, Product Designer, Theatre Set.

Year 10-11 Students use a range of tools, equipment and materials to produce a range of products suitable for a range of needs and users.

YEAR 12

Resist Forces

Skyscrapers

Biomimicry

Design

Brazing

Rechargeable Batteries

Revision

KSS

Scales of Production

Ergonomics

Milling Machine

AQA GCSE Qualification

Material Properties

Cars

Gas Biomass

Nuclear Energy

Textiles

Solar

Oil

Forces and Stresses

YEAR 11

Non Renewable Fossil Fuels

Fuels

Wind

Coal

dyson

Global Warming

Coca-Cola

PRIMARK

Finite

Automation Robotics

Joining Plastics

Metal Surface Treatments

Thermo & Thermosetting Plastics

Vacuum Forming

Shaping Metal

Modern Materials / Textiles

Energy Generation / Storage

NEA

NEA

NEA

Moulding Injection

Anthropometrics

Culture

Sustainability

Systems Design

Composite & Textiles Technology

Environment People

WORKSHOP SAFETY

Plane KD Fittings

Wood Surface Treatments

Timber Defects

Year 7 - 9 Creative & imagination is used to design & make products that solve real & relevant problems within a variety of contexts, considering their own & others' needs, wants & values

Technologies

Plastic

Metal

Wood

YEAR 10

Casting

Timber Imperfections

Ferrous & Non Ferrous Metals

Timber Components

Hinges

Rebate

Jigsaw

Workshop

Soft Manufactured

Boards

Wood Joints

Blow & Rotational Extrusion

Soldering

Fabricating

Welding

Cutting Timbers

Screws

Seasoning Timbers

Lathe

Equipment

Hard Timbers

Wood Frame Joints

During KS3 students are taught to design and make a range of products using a variety of different materials, tools & equipment.