



# Shipston High: D & T Curriculum Map



This curriculum map is being phased into the department with projected completion due 2020-2021 – some areas subject to change



GCSE Examination:  
8552 DESIGN AND  
TECHNOLOGY



Revision programme in preparation for D&T written paper.

Recap Health and Safety Rules for the Workshop + special considerations for CoVid 19

Test, Evaluate and Improve

Mock Exam December

Prototype Manufacture

Development and Planning

Initial Designs & Models



Year 11

Design; Model; Develop

Research / Use of Standard Components

Research / Use of Standard Components

Use of Hand Tools

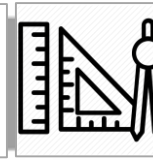
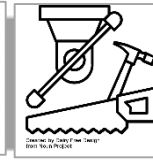
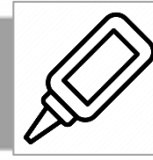
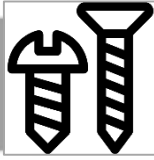
Working Drawings / Orthographic Projection

NEA Coursework begins 01.06.2021

Task Analysis & Research

Mock Exam June

Brief & Spec + 1st Designs



USB Lamp Project

Recap Health and Safety Rules for the Workshop + special considerations for CoVid 19

Year 10

Use of Specialist tools & Machinery

Research and Use Metal Heat Bonding and Treatment

Research and Design for User

METALS TROPHY PROJECT

Metal Casting

Skills-Building tasks in Timbers; Metals and Polymers including Hand Tools; Specialist Machinery and CAD / CAM

Recap Health and Safety Rules for the Workshop + special considerations for CoVid 19

Coat Shape and Logo Design

Pattern Calculations and Toiles

Economic Use of Materials 'Nesting' (Maths in D&T)

Hand sewing & Use of Specialist Machinery

Research Culture

Research People & Society

Designing with CAD



Research Metal Casting Techniques

Year 9 Metals

TEXTILES BOTTLE COAT PROJECT

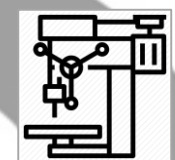
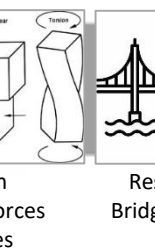
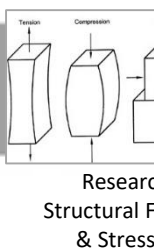
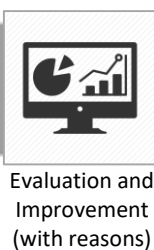
PEWTER CASTING PROJECT

Projects focus on Metals, their properties, hand and machine tools and manufacturing techniques used to make Metals products.

Projects focus on Timbers, their properties, hand and machine tools and manufacturing techniques used to make Timber products.

TEXTILES PROJECT

BRIDGE BUILDER PROJECT



Use of Specialist tools & Machinery

Year 8 Timbers

Recap Health and Safety Rules for the Workshop + special considerations for CoVid 19

CAM TOY PROJECT

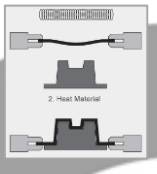
Research Mechanisms and Types of Motion

Economic Use of Materials 'Nesting' (Maths in D&T)

Use of Hand Tools

Use of Specialist tools & Machinery

TEXTILES PROJECT



Packaging research and Design

Logo research and Design



Evaluation

Testing

Use of Hand Tools

Research / Use Templates, Jigs & Moulds

Design for User

Health and Safety Rules for the Workshop + special considerations for CoVid 19

Welcome to the D & T 'Tech' Department at Shipston High School – your Tech adventure starts here!

Welcome to the Tech Department. Our Expectations of you and issue of your Department Safety Passport.

Projects focus on Polymers, their properties, hand and machine tools and manufacturing techniques used to make polymer products.

EARPHONE WRAP PROJECT

ICE SCRAPER PROJECT

Year 7 Polymers