

KS4 and more!

KS3 journey

User led design project which mimicks the GCSE coursework. Choosing either homelessness or climate change to research and generate creative solutions for. Develop the ideas and use prototyping and modelling to communicate and evaluate them.

Mini NEA

Build on existing skills, which lead into new ones. Produce an acrylic ruler from scratch on Techsoft. Learn 3D CAD skills to use Fusion to make a 3D printed LED lamp. Practice traditional methods including finishing skills and metalwork.

Further Skills

Year 9

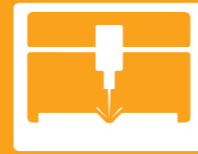
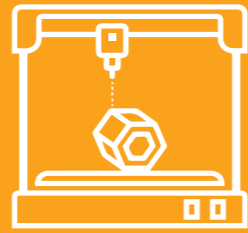
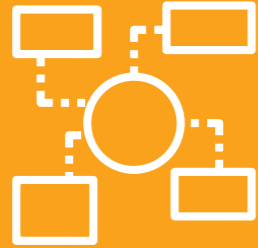
Focused practical making project to produce a wood and polymer game using hand tools safely and accurately. Continuing CAD skills gained in Y7. Learning about polymers and their properties.

NATIONAL CURRICULUM PILLARS OF D&T

DESIGN
MAKE
EVALUATE
TECHNICAL KNOWLEDGE
HEALTH & SAFETY

CAREERS AND CROSS CURRICULAR LINKS

SCIENCE
MATHEMATICS
PRODUCT DESIGN
BUSINESS
ENGINEERING
PROJECT MANAGEMENT
MARKETING
RESEARCH
COMPUTING
ARCHITECTURE



Year 8

Dengineers

User led design project for a 'dream den!' Interviewing a client to understand needs and wants. Producing sketches to propose design ideas. Getting feedback and producing an architectural maquette of your clients den.

Desktop Games

Core D&T Vocab to create a base of understanding. Primary product analysis. Modelling of ergonomic grips to improve existing product. Introduction to Smart Materials and their stimuli and uses in the real world. Starting to look at Careers linked to D&T.



Ergonomics

Core Vocabulary, Properties of Woods, Introduction to CAD (Techsoft) and CAM (Laser Cutting) to produce a laser cut key ring. Introduction to the 6Rs and Sustainability to produce a recycled polymer magnet.

Intro to D&T

Health & Safety, Working safely in a workshop environment and establishing routines.

Health & Safety

Year 7



GORDON'S D&T
KS3 CURRICULUM MAP