What careers can my subject lead to?

Product Design

Design & Technology is a fusion of many disciplines. It covers a wide variety of creative design skills, materials research, new technologies, coupled with the use of emerging technologies and equipment such as laser cutters and 3D printers. Learners will look at social and moral concerns and how material choices might impact the environment. Working with product design you will learn how to consider the role of technology, economics, sustainability and legal requirements so that ultimately you are able to produce a design that will fulfill its manufacturing potential and meet industry standards. Along the way, you will test and trial working models and prototypes with due regard for environmental, social and aesthetic needs. Design students are typically creative and full of ideas and they are also likely to have a range of skills that are highly valued in the graduate jobs market. Students will be well placed on their journey into a creative career, which is fast growing sector in the UK.

Specific skills:

- logical thinking and problem-solving;
- project management;
- research and editorial skills;
- presentation and other communication skills;
- computer skills;
- creativity;
- software skills;
- an eye for detail;
- Overcoming hurdles through non-Lateral "outside the box" thinking;
- harnessing creativity and being able to transmit design ideas effectively;
- sketching, presentation and other communication skills;
- a variety of different research and marketing skills;
- CAD/CAM software skills;
- Precision manufacture and engineering;
- Hands-on project management and time-management;
- Working independently, self-drive and taking initiative;
- In-depth knowledge of working with and using workshop equipment safely.

Technology Apprenticeships for the New Generation – Embed video on webpage

https://amazingapprenticeships.com/resource/technology-apprenticeships-for-the-new-generation/

https://www.planitplus.net/DocumentStore/Posters2019/DesignAndManufacturePoster.pdf

https://www.planitplus.net/DocumentStore/Posters2019/GraphicCommunicationPoster.pdf

https://www.planitplus.net/DocumentStore/Posters2019/PracticalCraftSkillsPoster.pdf

DESIGN AND MANUFACTURE

careers using design and manufacture

set design	digital design	signmaking
architecture	cabinet making	interior design
ergonomics	exhibition design	model making
product design	building technology	CNC machining
furniture design	construction management	industrial design
computer aided design	manufacturing technology	technical illustration
production management	building information modelling	computer aided manufacture

PRACTICAL CRAFT SKILLS

careers using practical craft skills

joinery
craft work
sawmill work
wood machining
cabinet making
electrical engineering
electronics engineering
construction crafts
furniture manufacture

plumbing
toolmaking
pipefitting
engineering
IT hardware support
motor vehicle repair
sheet metal work
vehicle body repair
welding and fabrication

machining
formwork
blacksmithing
shop fitting
railway maintenance
energy distribution
telecommunications
electronics assembly
security systems installation