

D E S I G N A N D T E C H N O L O G Y R O U T E S

S U B J E C T P A T H W A Y S

# C A R E E R S

Design and technology teach you to turn a concept into a real working product. You can work with different materials, bringing in practices from subjects such as maths, sciences, art & design and computing. You will learn skills that are needed in many careers, including:

Architect

Architectural technologist Automotive engineer Building services engineer CAD designer/technician CNC machinist

Civil engineer

Civil engineering technician Clinical engineer

Colour technologist Dental technician Design engineer Electrical engineer Engineering technician EngraverErgonomist Exhibition designer Furniture designer Furniture maker Games designer Graphic designer

Heating/ventilation fitter Interior designer

joiner

Kitchen fitter Landscape designer Materials engineer Mechanical engineer

Medical physics technician Model maker

Motor vehicle body repairer Motor vehicle technician Packaging designer

Painter and decorator Product designer Production manager Quality control technician Set designer

Shoe repairer Shopfitter Silversmith Signmaker Software developer Teacher/lecturer Textile designer Textile technologist Upholsterer

# S K I L L S

Studying Design and Technology can also help you develop wider skills such as:

Adaptability Attention to detail Budgeting Business awareness

CommunicationCreativity IT

Organising Presentation

Reasoning Problem-solving Teamwork

Time management Using numbers

Using tools/technology Visual awareness Working independently

These skills are needed for jobs with a range of requirements and entry routes, such as:

Advertising art director Beauty therapist Building surveyor Builders merchant

Car valet Caretaker/janitor Chef

Digital marketing officer Facilities manager Florist

Gardener/nursery worker Hairdresser

Heavy goods vehicle driver

Hotel manager Market researcher Market trader Marketing officer

Nursery nurse / manager Plasterer

Plumber

Purchasing manager Quantity surveyor Retail buyer

Retail manager/assistant Site manager

Technical author Tree surgeon

D I D Y O U K N O W ?

Engineers and designers are putting the final touches to driverless cars – with trials about to begin in the UK. Other inventions to look out for include beds that can prevent snoring and smart hairbrushes!

# R O U T E S

Routes into these careers include apprenticeships and full-time study.

There are higher education courses in product design/product design technology, industrial design and a range of engineering, design and construction subjects. Entry requirements vary so check on [www.ucas.com.](http://www.ucas.com/) Higher and degree apprenticeships are also being developed in areas such as engineering, construction and facilities management. These are paid jobs that involve studying for higher education qualifications while you work.

Always check entry requirements as you may need other subjects alongside design and technology, particularly maths, sciences and English. Design based courses often want to see examples of your work (a portfolio).

F I N D O U T M O R E

For more job ideas, visit [nationalcareersservice.direct.gov.uk/youngpeople](https://nationalcareers.service.gov.uk/) then follow links to ‘Aged 13-19’ and ‘Do something you’re good at’.

If you’re thinking about higher education, visit: [www.prospects.ac.uk](http://www.prospects.ac.uk/) to see what art and design graduates have done after their degree.

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School independent Career advisors

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