

Career Pathways Engineering

Ask your Design and Technology teacher about the different routes and qualifications you need to get you where you want to be.



"I always loved problem solving growing up. Engineering is really transferable, you can work in so many jobs if you have a foundation in engineering."
Orla Murphy,
Audio Engineer

Your Career in Engineering

Level 4 and beyond
18+ years



"I find myself using the practical approaches I experienced in D&T in my workplace. An engineering solution is often found using knowledge of how materials act and can be used."
Louis Adam,
Civil Engineer

Higher Education
MSc Engineering
BSc Engineering
Higher Apprenticeships

Further Education
Diploma
HNC Foundation
Degree



"Design and technology gave me an appreciation and experience in taking a product from the drawing board, all the way through to a physical model."
Rickil Patel,
Automotive Engineer

Level 3 16-18 years

T-Level
Engineering
and
Manufacturing

A-Level
Design and
Technology and
Engineering

BTEC
National
Certificate in
Engineering

Apprenticeships
Level 2 and 3

Level 2 14-16 years

GCSE
D&T and
Engineering

Vocational
Technical and Professional

Core GCSE
Subjects



"Design and Technology at GCSE gave me the experience and skills that have been invaluable in my career designing and developing motorcycle accessories for Triumph Motorcycles."
Marisa Kurimbokus,
Senior Accessories Design Engineer



"During my time at Renishaw, not only have I completed a full honours degree, I've also worked on cutting-edge projects. This has built my confidence and improved my practical skills."
Roxanne Pollard,
Mechanical Design Engineer

Career Pathways Textiles

Ask your Design and Technology teacher about the different routes and qualifications you need to get you where you want to be.



"At college I did a BTech National Diploma in Art and Design which allowed me to do design projects using wood, print, photography, fine art, fashion and textiles."
Ruth Farrell,
Clothing studio & Creative manager

Your Career in Textiles

Level 4 and beyond
18+ years

Higher Education

MSc Engineering
BSc Engineering
Higher Apprenticeships

Further Education

Diploma in Fashion and Textiles
Foundation Degree



"My work is incredibly varied, from designing new products and dealing with customer enquiries and sometimes going to Portugal to visit textile manufacturers!"
Hannah Myers,
Flare Clothing Company Ltd.

Level 3 16-18 years

T-Level
Craft and Design

A-Level
Fashion and Textiles

BTEC
Extended Diploma in Fashion and Textiles

Apprenticeships
Level 2 Textiles or Apparel pathway
Level 3 Textiles or Apparel pathway

Level 2 14-16 years

GCSE
D&T and Engineering

Vocational
Technical and Professional



"Studying D&T at GCSE gave me a much better understanding of designing for someone else rather than for myself. I also had to consider how much cost and time it would take."

Isobel Lindsay,
Freelance Fashion Designer

Core GCSE
Subjects



"My D&T GCSE helps with my current role...sublimation printing plays a large role in how these garments are produced and this is something I first experienced at school."

Jordan Hoey,
Textiles designer at RGMM Ltd.

Career Pathways

Product Design

Ask your Design and Technology teacher about the different routes and qualifications you need to get you where you want to be.



"There are countless examples of how design can positively shape our society. Becoming a designer enabled me to interpret the world in new ways."
 Martin Roach,
 Director of Innovation

Your Career in Product Design

Level 4 and beyond
 18+ years



"Choose something to study that is going to interest you. It's really important because that's the time when you get the opportunity to learn without the pressure of earning an income from it."
 Joe Pipal,
 Furniture Designer

Higher Education
 MA Product Design BA
 Product Design and
 related degrees
 MSc/BSc Engineering
 Higher Apprenticeships

Further Education
 Diploma HNC
 Foundation
 Degree



"D&T taught me about researching, planning, and documenting ideas before working on a project. I didn't realise how important these steps would be for me now as a Games Designer."
 Vicky Boyce, Games Designer

Level 3 16-18 years

T-Level
 Engineering
 and
 Manufacturing

A-Level
 Design and
 Technology and
 Engineering

BTEC
 Diploma in
 Product
 Design

Apprenticeships
 Level 2 and 3

Level 2 14-16 years

GCSE
 D&T and
 Engineering

Vocational
 Technical and Professional

Core GCSE
Subjects



"Studying GCSE Design and Technology gave me the understanding of how to turn ideas into products or viable solutions to design problems. These are skills I use every day at Triumph."
 James Sutton,
 Powertrain Project Engineer



"During my time at Renishaw, not only have I completed a full honours degree, I've also worked on cutting-edge projects. This has built my confidence and improved my practical skills."
 Roxanne Pollard,
 Mechanical Design Engineer