

# 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



*"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**

**A-Level**  
Design and Technology  
and Engineering

**Further  
Education**

Diploma  
HNC  
Foundation Degree

**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 BTEC 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



"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

### Higher Education

MA/MSc Textiles or Fashion related courses  
BA or BSc (Hons) Textiles or Fashion related courses  
HND Fashion and Textiles  
HNC Fashion and Textiles



"My work is incredibly varied, from designing new products and dealing with customer enquiries and sometimes going to Portugal to visit factories!"

Hannah Myers,  
Flare Clothing Company Ltd.

Level 3 16-18 years

**A-Level**  
Fashion and Textiles

### Further Education

Diploma in Fashion and Textiles  
Foundation Degree

### 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

**Core GCSE**  
Subjects



"Doing textiles at GCSE has enabled me to build on my skills and obtain my place on the BTEC Level 3 Performance Arts course."

Chloe Curtis-Dunn,  
BTEC student



"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



"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

### A-Level

Design and Technology  
and Engineering

### Further Education

Diploma  
HNC  
Foundation Degree

### Apprenticeships

Level 2 and 3

Level 2 14-16 years

### GCSE

D&T and Engineering

### Vocational

Technical and Professional



"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

### Core GCSE Subjects



"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