



Careers in...

Design & Technology

Advice for Year 10 & Year 11 Pupils



Why Design & Technology?

Studying Design & Technology opens up a world of opportunities. It combines creativity with practical skills, allowing you to understand the importance of design in everyday life and the impact of technology on society. This subject is not only about creating products; it's about making informed choices, understanding sustainability, and exploring innovative solutions to real-world problems.



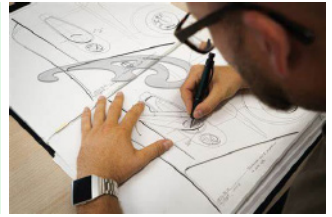


1. Explore Career Paths in Design & Technology

The design and technology industry offers a diverse range of career paths. You could become a:

- Product Designer
- Industrial Designer
- Graphic Designer
- Architect
- Engineer
- Fashion Designer
- Interior Designer
- UX/UI Designer
- Robotics Engineer
- CAD Technician

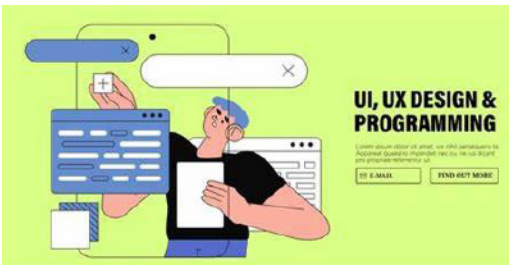
Each career path allows you to apply your knowledge and passion for design and technology in different ways.



2. Skills Design & Technology Gives You

Studying design and technology equips you with valuable skills such as:

- **Practical design skills:** Mastering various design techniques and using tools and software.
- **Technical knowledge:** Understanding materials, processes, and technologies.
- **Problem-solving:** Developing innovative solutions to design challenges.
- **Creativity:** Generating new ideas and presenting designs attractively.
- **Project management:** Planning and executing design projects efficiently.
- **Communication:** Presenting and explaining design concepts clearly.



3. Subject Combinations and Education Pathways

Combining design and technology with subjects like Mathematics, Physics, Art, and Computer Science can enhance your understanding of design principles and technological applications. In the North West, further education options include:

- **Colleges:**

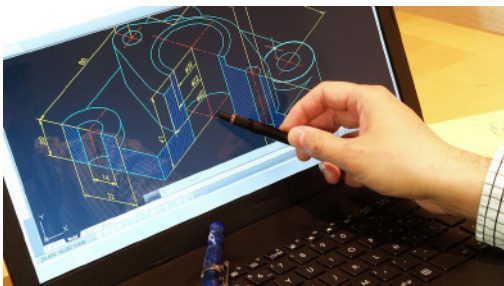
Many colleges offer courses in product design, graphic design, engineering, and fashion design.

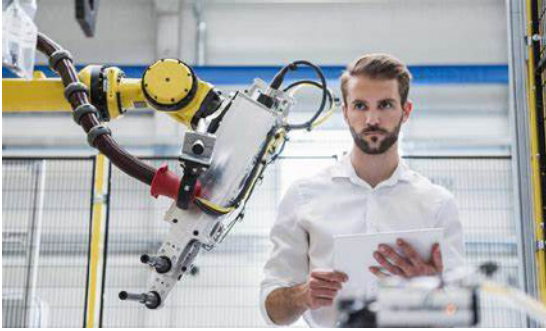
- **Universities:**

Degree programmes in design, engineering, architecture, and technology are available at universities such as the University of Manchester and Liverpool John Moores University.

- **Professional Development:**

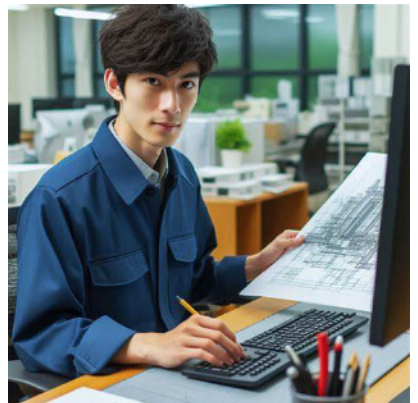
Apprenticeships and vocational courses in design and engineering provide hands-on experience and qualifications.





4. Design & Technology in the Real World

Design and technology are integral parts of daily life and culture. Understanding these fields helps you make informed choices, appreciate innovative solutions, and contribute to sustainable practices. Careers in design and technology can impact public health, influence trends, and drive innovation in various industries.



5. What Can You Do Now?

Year 10:

Participate in design clubs or technology-related extra-curricular activities. Gain experience by volunteering for local projects or internships. Research different careers in design and technology and the qualifications needed.



Year 11:

Deepen your knowledge by engaging with more complex projects and refining your practical skills. Explore opportunities by attending open days at colleges and universities to learn about courses and facilities. Build your portfolio by compiling your best work to showcase your skills and creativity. Seek guidance by discussing your career aspirations with teachers, career advisors, and industry professionals to get tailored advice.



Useful Resources

- **STEM Learning:** Offers a range of resources, career profiles, and videos related to design and technology careers.
- **Creative Careers:** Provides information on various roles in the design and technology industry.
- **Find a Job:** Search for design and technology jobs in the North West .
- **UCAS:** Information on university courses and apprenticeships in design and technology.
- **National Careers Service:** Offers career advice and information on qualifications needed for different roles in design and technology.