CAREERS NEWSLETTER

This newsletter is a collation of all the opportunities we have heard about from employers and universities. Please use the links included to read more information and apply to anything you are interested in. Links are underlined.

Listen to this newsletter



Now in its 14th year, Tomorrow's Engineers Week is a national awareness week taking place from 9th - 13th November. The aim of the week is to inspire students to explore engineering and technology careers. This year's theme, Shape our future, will help young people discover how engineering and technology tackle the real-world challenges they care about. It will also show how they can help create the future they want to see.



Engineering is everywhere. From the clothes you're wearing to the device you're using, engineers transform the lives of billions of people every day. What do civil engineers do? How is tech tackling climate change? What skills do you need? How much can you earn? This website will help you navigate the wonderfully broad world of engineering and technology careers.



Engineering and technology is a massive sector, accounting for around 20% of all employment. It's also predicted to be the fastest-growing sector in every region in the UK. These industry insights will help you to learn more about the demand for skills, what you could earn and how to access the Engineering industry.



Discover real jobs in engineering and tech. Learn what engineers and STEM professionals love about their jobs, what they do and how they got started in our short videos. Find out more about the routes into engineering, including apprenticeships, T Levels and university.



EY apprenticeship roles for 2027 are now open for applications. Whether you choose Assurance, Consulting, Tax, or Technology, you'll be embarking on your journey to shape your future with confidence at EY. Why not come along to one of the EY Application Bootcamp webinars to find out more? You'll have the opportunity to learn about the EY application process, business areas, and practice some assessment questions with their friendly Early Careers recruiters. You'll even be able to ask your own questions via a live Q&A.



To celebrate Tomorrow's Engineers Week, the Science and Technology Research Councils are holding an "Exploring Engineering" event for students aged 11-14. Join them online for a fascinating and engaging talk about the cryogenic engineering of Ariel, a space mission that will be hunting for planets orbiting other stars. With the aid of some liquid nitrogen, you'll explore the science of the very cold, and discover the engineering that allows us to explore our Universe. The talk will run on Friday 13 November from 13:10-14:10 online, via Zoom webinar.

JOB OF THE WEEK

Airline Dispatcher

An airline dispatcher, also called a flight dispatcher or flight operations officer, is a licensed ground-based aviation professional who shares legal responsibility with the captain for the safety, planning, and operational control of commercial flights. They are responsible for calculating fuel requirements, weight and balance limits, optimum flight paths, and alternate airports based on weather and airspace conditions.

LABOUR MARKET INFORMATION FACT

6.3 million people in the UK are employed in engineering and technology.

Demand for engineering skills continues to grow, but there are significant skills shortages and a need for greater diversity.

Source

For any careers related queries, please contact careersinfor@birchwoodhigh.org

CAREERS NEWSLETTER



Interested in engineering but not sure where to start? Born to Engineer is packed with resources for students aged 14–18. Explore different engineering careers, compare university and apprenticeship routes, discover work experience and competitions, check engineering salaries and find out which subjects could lead to different engineering careers.



With so many inspiring Engineering stories and podcasts, it is tricky to know where to start. To solve that problem, Born to Engineer have put together a list of their favourite engineering-themed podcasts for you. The Engineering Podcast list features the best, informative, humorous, thought-provoking, and (hopefully) mind-blowing podcasts.



In this flexible virtual work experience programme, delivered by Springpod and Leonardo, you will discover technologies that help keep people, infrastructure and information safe. Through videos, quizzes and interactive activities, you'll explore Leonardo's work and hear from professionals across the business. You will learn how helicopters are designed and manufactured. You will also explore advanced electronics and cyber security technologies. The programme introduces the many careers available across engineering, technology and digital industries. It also highlights skills, pathways and future opportunities.



From project sites to design studios and corporate offices, step inside the world of AtkinsRéalis and discover what it's really like to work there. Across nine modules, you'll get hands-on with different parts of their business and see how they design, deliver, and manage the projects shaping the world around us, from infrastructure to sustainable energy.



Ever wondered how the products you order online get to your front door? Explore how your orders get picked, packed, and shipped to you without a hitch. In this Career Tour with Amazon, you'll go behind the scenes to explore the tech, teams, and tools that keep fulfilment centres running. Through bite-sized videos, real Amazon professionals will show you how fulfilment centres work.



Not sure which area of engineering might be right for you? Try the NIPES Engineering Career Path Test. The online quiz asks 19 questions about your interests and preferences to help identify engineering career paths that may suit you.

EMPLOYER SPOTLIGHT

BT Group is one of the UK's largest telecommunications companies, helping connect millions of people through broadband, mobile and digital technology. Early career opportunities can include apprenticeships, graduate programmes, internships and industrial placements. Career areas include software engineering, data and AI, cyber security, networks, engineering, project management and business operations, making BT particularly interesting for students curious about technology and how the connected world works.

UNI SPOTLIGHT

The University of Bristol is a research-intensive university located within the vibrant city of Bristol. Students can study subjects ranging from engineering and science to humanities, social sciences, law and medicine. Bristol has strong aerospace, technology, creative and sustainability sectors, providing useful connections beyond university. Students can also access societies, volunteering, placements and study abroad opportunities while enjoying the independence and variety of living in a major city.

For any careers related queries, please contact
rachael.dohertykirkwood@bury.tbft.uk