



# DGGGS 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](#)

## OPPORTUNITIES

World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10. These dates commemorate two events:

- October 4, 1957: Launch of the first human-made Earth satellite, Sputnik 1, thus opening the way for space exploration
- October 10, 1967: The signing of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies.

In this session, NASA Flight Controller Amy Dill will be talking about her experience at Mission Control, what it's like to help astronauts while they are in space, the role of rockets, and what skills are needed to work in the space sector.

Astro Pi Mission Zero is a free, beginner-friendly challenge from ESA and the Raspberry Pi Foundation. In under an hour, participants write a short Python program that displays an image or animation on an Astro Pi computer aboard the International Space Station. The program also reads live data from the Astro Pi's colour and luminosity sensor to set the background colour, so the artwork responds to real conditions in space. No previous coding experience is needed, and no physical kit is required.

Space - the final frontier, now closer in reach than ever before. Companies worldwide are looking to the skies with the hope of exploring, and being one of the leading stars in the space sector. But, what do they need to get there, and how does the Civil Aviation Authority come into this? Join this Sprint with the Civil Aviation Authority, and use your skills to understand the process of preparing a spacecraft launch licence application, and, with the help of expert professionals, you'll understand key aspects around exploring space.

In this captivating Subject Spotlight, Paul Sant presents: Computer Science: Space explanation, AI and beyond. He explains what computer science is, fundamental skills for a computer scientist and how computer science has revolutionised industry. Paul then talks about why AI is the future for learning, considers the failings of AI, and discusses the impact of AI on society in the modern age. Paul discusses the role of computer science in the fascinating case study of the Mars Rover, which failed and crashed in 1999.

## JOB OF THE WEEK



Planetary Scientist

A planetary scientist studies the origin, evolution, and physical characteristics of planets, moons, asteroids, and other bodies in the solar system. To access this role, you often need to earn an undergraduate degree in physics, geology, astronomy, chemistry, or planetary science. You will need strong abilities in mathematics, computer programming, data analysis, and scientific problem-solving.

## LABOUR MARKET INFORMATION FACT

The UK space industry directly employs around 55,550 people, with employment growing by nearly 7% in a single year (2022/23).

When supply-chain and wider supported jobs are included, the sector supports around 137,000 UK jobs.

Source



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## OPPORTUNITIES

The UK Parliament Work Experience programme is ideal for students who want to gain more experience in the world of work. This programme is delivered remotely via Waypoint, a platform provided by SixtyLearn, enabling more young people to gain insight into careers at Parliament. This programme gives you the chance to explore Parliament as a workplace, try realistic tasks inspired by real roles, get personalised feedback to help you grow, and learn about the teams that make Parliament happen!



Free webinar for Year 12 and 13 students and parents: What Top Universities Are Really Looking For. Former Head of Careers Kate Grace will discuss how admissions tutors read personal statements and what builds a truly competitive application. It runs Wednesday, 30 September, from 7 to 8 pm. Slides and a replay will be sent to everyone who registers.



If you are interested in applying for the RPC Solicitor Apprenticeship and would like to find out more, you can attend their virtual insight evening which will run from 5 pm – 7.30 pm on Wednesday 14 October 2026. It's a fantastic opportunity to gain an insight into their work and clients, get to know their people, hear about the apprenticeship study course from The University of Law and ask their apprentices first-hand about their experiences. Their early talent team will host the event and will be on hand to answer questions and provide advice on how to apply.



The National Cyber Force is a partnership between defence and intelligence, responsible for operating in and through cyberspace to counter threats, disrupting and contesting those who would do harm to the UK and its allies, to keep the country safe and to protect and promote the UK's interests at home and abroad. Working in cyber provides you with the chance to use your skills to their full potential and play your part in keeping the country safe. The Government's agencies need both technical and non-technical people, with both providing their own individual knowledge and experience. By joining this insight event on Tue 20th Oct 4:30PM - 6:30PM, you'll learn about how you can get involved in vital work to keep the country safe.



## EMPLOYER SPOTLIGHT

AstraZeneca is a global pharmaceutical company that researches, develops and produces medicines used by patients around the world. Young people interested in science don't have to become doctors: its early careers opportunities cover science, engineering, manufacturing, digital technology, data and business. UK routes include apprenticeships, work experience, undergraduate placements and graduate programmes, offering different ways to begin a career within healthcare and life sciences.

## UNIVERSITY SPOTLIGHT

LSE is a specialist university focused on social sciences. Courses cover areas including economics, politics, law, geography, international relations, sociology, management and finance. Its central London location creates opportunities to engage with businesses, government, charities and international organisations. LSE could particularly suit students who are interested in understanding how society, politics, economics and organisations work and enjoy discussing important global issues.



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## CURRENT TRENDS IN ENTRY LEVEL ROLES

The latest UK unemployment rate is 4.9% for people aged 16 and over, with around 702,000 vacancies and approximately 2.5 unemployed people per vacancy. The labour market remains competitive, while technology and AI continue to change the skills employers are looking for.

Entry-level roles are jobs aimed at people with little or no relevant previous experience, including those new to that type of work. The latest data (April 2026) shows entry-level hiring is trending down across areas including:

- Accountancy
- Graphic design
- Software engineering
- Data analysis
- Legal assistant roles



However, there has been growth in entry-level opportunities across:

- AI-adjacent roles
- Sales and business development
- Logistics and operations
- Hospitality and food service
- Healthcare, particularly home healthcare



A reduction in entry-level vacancies does **not** mean there is a complete lack of opportunity. It is simply useful to understand where demand is increasing or decreasing when considering your career options. Current trends show increasing demand for **digital skills**, alongside transferable skills such as **adaptability, communication, problem-solving and collaboration**.

Developing a broad range of transferable skills and gaining relevant experience can help you respond to changing opportunities and prepare for the evolving labour market.

For more information, please contact the Careers Team at [CareersTeam@DartfordGrammarGirls.org.uk](mailto:CareersTeam@DartfordGrammarGirls.org.uk) or Miss Lyon-Lee, Careers Manager directly on [ALyonLee@DartfordGrammarGirls.org.uk](mailto:ALyonLee@DartfordGrammarGirls.org.uk).

## FREE ONLINE UNIVERSITY FAIR

Unifrog are hosting a University Fair, including 16 webinar sessions and a number of Q&A sessions hosted by over 30 UK universities.

Attending is completely free, and fully remote. You just need to register online (on the Unifrog Website)

 Wednesday 14th October 2026  
 4:00pm  
 2.5 hours  
 On the Unifrog website

This will be particularly useful for Year 10, 11, and 12 students

## CAREER OF THE MONTH

September's career of the month is Healthcare. The spotlight jobs on the Careers Office noticeboard are: Pharmacist, Midwife, and Physiotherapist. Please do reach out with any questions.

## DGGS CAREERS

 Come and see us: Careers Office, next door to EN5

 Email us: [Careersteam@dartfordgrammargirls.org.uk](mailto:Careersteam@dartfordgrammargirls.org.uk)