



Nº1

The UK's Number One  
Summer School

Delivered in partnership with  
**INVESTIN**

#### COURSE OVERVIEW

## Career Discovery

12-14yrs

📍 Dulwich College



# At a glance

## Introduction to Career Discovery

Career Discovery at Dulwich College is an immersive two-week academic experience for students aged 12–14 who are curious about the world of work and the subjects that shape today's most competitive career paths.

Through hands-on simulations, guided challenges and collaborative projects, students explore a range of professional fields including Medicine, Business, Finance, Engineering, Computing, AI and Robotics.

Learning is practical and discussion-led, with students working in small groups to solve problems, test ideas and present their thinking. Sessions are supported by subject specialists, helping students build confidence, curiosity and a clearer understanding of how academic study connects to real careers.

### Academic Content

25 hours of academic content per week with an experienced subject tutor, delivered through interactive and hands-on lessons

### English Language Level

Students require a minimum English level of B1+ to enrol onto this programme.



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B1+

2 &amp; 4 WEEKS

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## About the programme

Career Discovery is designed to introduce students to professional thinking at an early stage, helping them understand how different subjects are applied beyond the classroom. Each module focuses on a specific career area, combining subject knowledge with practical challenges that reflect real professional environments.

Students might analyse medical case studies, develop business concepts, explore coding logic or take part in engineering problem-solving tasks. Emphasis is placed

on teamwork, communication and decision-making, encouraging students to think critically and work collaboratively.

Across the programme, students gain exposure to a wide range of career pathways, helping them identify interests and strengths while developing transferable academic and personal skills.



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# Course Objectives

By the end of this course, you will have a comprehensive understanding of several competitive career fields including Engineering, Medical Sciences, Business and Finance, Computing and AI. Studying on the Career Discovery Summer Experience gives students a strong grounding in practical skills as well as academic understanding, offering an early and informed step towards future study and career choices.

## Module 1

### Medical Sciences Career Discovery

Over two days, you will learn about the roles of a junior doctor, the role of a GP and have the opportunity to take part in several hands-on immersive simulations, including learning CPR on a state-of-the-art dummy, practising suturing on an everyday object and utilising VR software to respond to a simulated medical emergency.

## Module 2

### Engineering Career Discovery

Learn about several fields of engineering, including aeronautics, mechanical and civil and put these into practice with the support of industry experts. Take part in a series of principles of flight simulations and design your own bridge capable of withstanding significant weight and stress.

## Module 3

### Business & Finance Career Discovery

Explore how the world of business and finance really works, from investment banking to trading floors, and the wide range of roles within the sector. Learn directly from leading financiers and traders as they share how their careers began and the skills needed to succeed. Working in groups, you'll create a business plan and pitch it to investors for feedback, then build and manage your own investment portfolio, using expert insight to develop your financial knowledge and decision-making skills.





# Course Objectives Continued

## Module 4

### Computer Science Career Discovery

Gain an insight into how computer science is evolving and the coding languages shaping the industry today. Learn from experienced software engineers as they share their career journeys, then explore both front end and back end engineering by writing your own code with expert guidance. You'll design and test software, build a working game mechanic in Unity, programme a robot using Scratch or Python, and see how your skills connect to emerging roles across the future workplace.

## Module 5

### UCL Bloomsbury Career Preparation

Attend a day at London's Global University – University College London and prepare yourself for school, university and job interviews. Learn how to develop a basic CV appropriate for all ages and understand how to differentiate yourself from an early age.





## Key Learning Outcomes



### 1.

#### **Understand competitive fields**

Develop a solid understanding of Medicine, Engineering, Business & Finance and Technology.

### 2.

#### **Make informed choices about your career**

Understand how to develop a career plan from an early age and see what you need to do to stand out.

### 3.

#### **Prepare for the workplace of tomorrow**

Work alongside professionals to see what these top industries will look like by the time you enter the workforce.

### 4.

#### **Collaborate with professionals and like minded students**

Meet top professionals and fellow ambitious young people who may support you on your academic and career journey.





## Medicine Session Examples

### The World of a Doctor

- Understand the key roles and responsibilities a doctor undertakes
- Hear from a doctor and see what they do on a daily and weekly basis
- Learn about the skills needed to become a successful emergency room doctor

### Emergency Ward Round Simulations

- Learn CPR on industry standard models
- Practice suturing on a skin-pad
- Use state of the art software to solve a medical emergency





## Engineer Session Examples

### The World of Aeronautical Engineering

- Learn about engineering's most competitive discipline
- Hear from a leading aeronautical engineer and learn about their career journey
- Learn the basics of principles of flights and understand how this is applied

### Aeronautical & Aerospace Engineering Simulations

- Design your own rocket and test it in groups
- Understand ballast and create a balanced airplane design
- Learn the principles of fly by wire, electronics engineering



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## Banking & Finance Session Examples

### The World of Finance and Business

- Demystify the world of finance and understand the jobs available
- Hear from a leading financier and learn about their career path
- Understand the skills and experience needed to break into various finance roles

### The World of Sales & Trading

- Learn about the trading floor and how investment banking works
- Hear from a top trader and understand where their career began
- Bolster your vocabulary and learn complex financial technology





# Computer Science Session Examples

## The World of Computer Science

- Understand the ever changing world of computer science
- Overview of the coding languages and developments reshaping the industry
- Experience front end and back end engineering
- Build your own functioning lines of code with experts
- Design a piece of software

## The World of AI, Robotics and Gaming

- Look into emerging industries within computer science
- Prepare for the workplace of the future and see where your skills fit in
- Build a functioning game mechanic in unity
- Programme a robot using scratch or python



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## Industry Experience

Each week, students take part in an industry-focused programme shaped by experienced professionals. Through immersive simulations and practical workshops, they gain first-hand insight into how different careers operate in real working environments. Sessions are designed to reflect professional challenges, encouraging students to apply ideas, collaborate with peers and understand how knowledge is used beyond the classroom.



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## Teamwork and Presentation Skills

Collaboration sits at the heart of the programme. Students work in small groups on projects and problem-solving tasks that reflect how teams operate in professional settings. Alongside this, they develop presentation skills by preparing and delivering ideas clearly, responding to questions, and explaining their thinking with confidence. Teaching is supported by experienced professionals who share insight from their own careers, helping students understand both the subject content and how it is communicated in real workplaces.





## Graduation

A celebratory graduation ceremony marks the end of each two-week course, giving students the chance to reflect on their progress and recognise personal and academic achievements alongside new friends. It's a memorable moment to dress up, celebrate, and mark the friendships formed over the summer.

## Letter of Reference and Certificate

At the end of the programme, students receive a certificate of completion and a personalised reference letter from their tutor. This letter highlights their achievements over the two-week programme, and provides evidence of their passion and commitment to the subject as they go on to prepare for admission to the university of their choice or applying for their chosen career.



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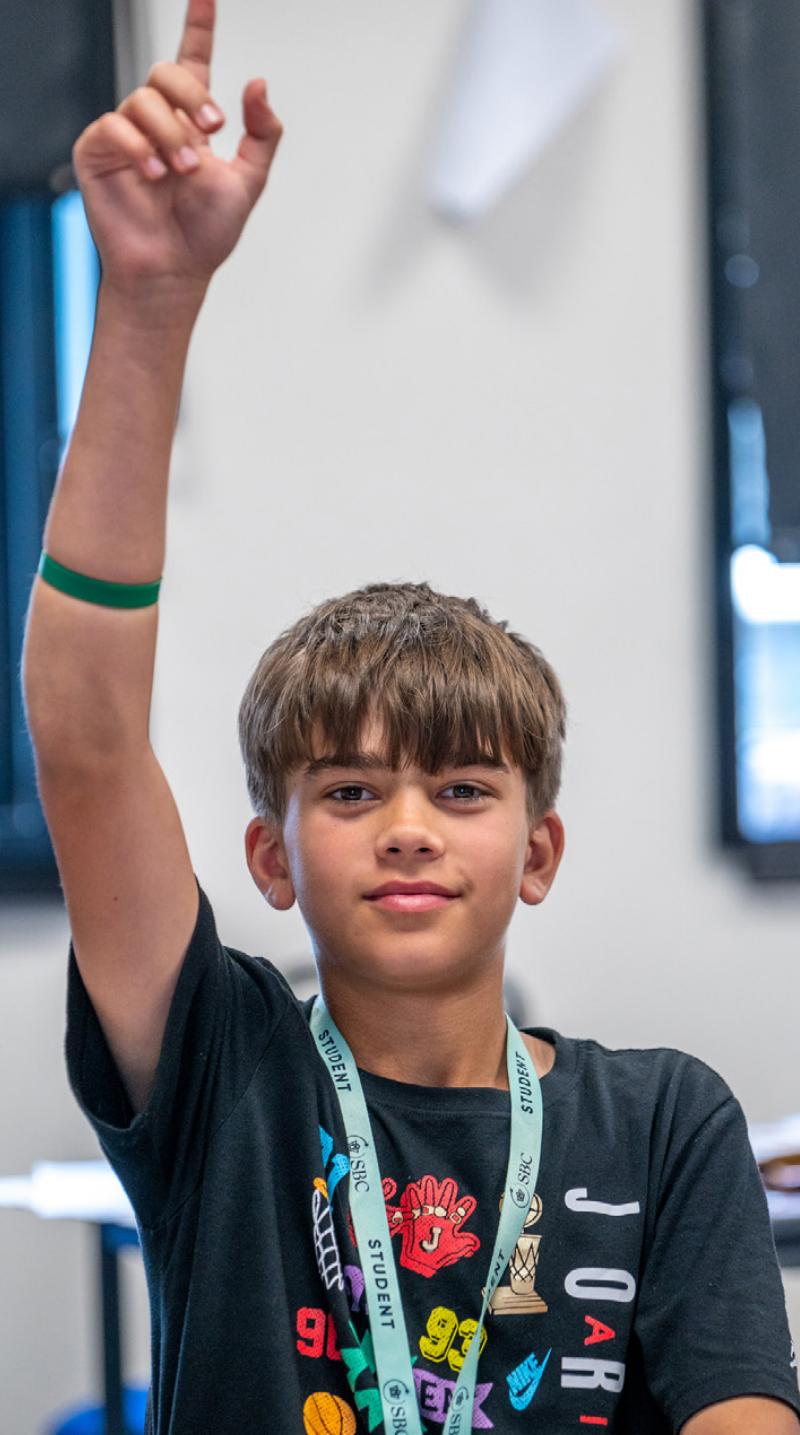
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## Programme Difficulty

No specialist knowledge or background is required to take part in the programme. Activities are designed to be engaging and appropriately challenging, with clear guidance and support throughout. The focus is on exploration and participation rather than prior achievement, allowing students to build confidence as they progress.



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# Excursions

As part of their enriching two-week experience, students will enjoy two full-day excursions to London designed to complement their academic journey with cultural exploration.

These outings offer a well-balanced opportunity to engage with iconic British destinations, providing both stimulating and restorative experiences outside the classroom.



## London

See famous landmarks, visit world-class museums and cultural attractions, take epic photos, shop some big-name stores, and soak up London's unforgettable energy.



## University College London

Attend a day at London's Global University and prepare yourself for school, university and job interviews. Learn how to develop a basic CV appropriate for all ages and understand how to differentiate yourself from an early age.





## Secure your place

**Now Enrolling for Summer 2026**

Courses run from June to August.

### **Need guidance on the right course?**

Book a free consultation with our Admissions Team to find the best summer experience for your child.

You can also make a booking directly online at:  
[summerboardingcourses.com](http://summerboardingcourses.com)

**+44 (0)1943 878518**  
[info@summerboardingcourses.co.uk](mailto:info@summerboardingcourses.co.uk)



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# Ignite Your Spark

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Part of the Dukes Education family.  
Together we're extraordinary.