



CHARTERHOUSE SUMMER SCHOOL



Your summer of transformation starts here

Charterhouse Summer School offers international students aged 10-17 the chance to experience life at one of Britain’s most prestigious and historic academic institutions. Our courses are a reflection of the values, academic excellence and ambition that define Charterhouse’s year-round education.

Set within an inspiring 240-acre campus just south of London, our positive learning experiences foster confidence, diligence, aspiration and creativity – elevating students towards adult life.



From the Head

“At Charterhouse, we believe in offering pupils a breadth of curricular and extra-curricular opportunity. We encourage our pupils to take an active role in their education, developing their ability to think independently while making the most of every day. Our new summer school give international students the chance to experience this first-hand. Designed to challenge and inspire just as our year-round education does, our range of summer programmes will deepen students’ knowledge in new and exciting fields while making friends and having fun along the way.”

– Dr Alex Peterken, Head



Welcome to Charterhouse Summer School

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Programme

The two-week course is structured so that each student selects one academic subject and one elective and studies these for the duration of the course. In addition, every student enjoys an action-packed programme of activities and excursions.



3 HOURS X 10 MORNINGS. SELECT ONE.

Academics

Each academic option has been carefully designed for international students to offer a detailed insight into the subject matter, taking advantage of the teaching team's wealth of knowledge and the superb school facilities at Charterhouse.

- English Language
- English for Academic Purposes
- Entrepreneurship
- Python, Data Science and Machine Learning
- Global Leadership with PPE
- Engineering, Technology and Design



2 HOURS X 10 AFTERNOONS. SELECT ONE.

Electives

The professionally taught electives programme enables students to develop in a fun environment that encourages social interaction and creativity while exploring new topics and developing new skills.

- Sports and Leadership
- Tennis
- Robotics and Game Design (13-17 only)
- Art
- Drama (13-17 only)
- Photography (13-17 only)



The School

Founded in 1611, Charterhouse is one of the great historic schools of England as well as being one of the most beautiful.

The School is set within an inspiring 240 acre campus, conveniently located close to London and within 50 minutes of both London Heathrow and Gatwick airports. With historic buildings alongside modern teaching suites, beautiful, landscaped grounds and incredible sports facilities, the campus is one of the best independent school venues in the country, providing an outstanding education for boys and girls aged 13 to 18.

We offer our traditional 19th century boarding houses in the main school, with their stunning architecture, impressive history and charming atmosphere.

**Set within an inspiring 240-acre
campus just south of London**

Facilities:

- ▶ State-of-the-art theatre
- ▶ Extensive art block
- ▶ Modern classroom facilities
- ▶ Extensive grass and astro-turf sports pitches
- ▶ Flood-lit tennis courts
- ▶ Indoor sports centre with gym, studios, squash courts etc.
- ▶ 25m swimming pool
- ▶ Student common rooms in all boarding houses
- ▶ Free Wi-Fi
- ▶ Laundry facilities

Address

Charterhouse School
Godalming
Surrey
United Kingdom
GU7 2DX

Transport Links

Heathrow Airport: 45km
Gatwick Airport: 64km
Godalming Train Station: 2km

Academic Vision

Our vision for Charterhouse Summer School focuses on promoting academic rigour, developing intellectual curiosity and nurturing our international students in their ability and desire to learn independently.

We encourage students to take an active role in their education, developing their ability to think independently and to challenge themselves. By creating courses that reflect not only academia but also the modern workplace, we help students to cultivate their own unique set of passions and ambitions for adult life.

Much like our year-round pupils, we instil our summer school students with the confidence to seek out challenge, dive into self-reflection and strive for excellence.

“These academic courses represent the expertise and passions of our year-round staff and make the most of our exceptional school facilities. They are fun and inspiring but also demanding and ambitious. Studying with us gives students a flavour of life at our school and in many cases, an insight into British university education.”


– Mr Simon Allen, Assistant Head (Academic)

Teaching Team

Our academic curriculum is overseen by Assistant Head (Academic), Simon Allen and Simon's vision for the summer school is woven into every part of the programme. Taking advantage of the expertise and facilities on site, we have created a curriculum that echoes our overall academic philosophy for our pupils.

Our teaching team is led by current Charterhouse staff and expert teachers from outside the school. In addition, students will be introduced to inspirational leaders in their field through specialist workshops and seminars during the course.

Academics



English Language

Suited to students of all abilities using English as a second language, we use a diverse range of classroom techniques to engage students and build confidence in spoken English. A summer school in England is the perfect setting to learn the language while being immersed in spoken English and culture 24-hours a day.

Our interactive classroom lessons are divided into levels and inspire and engage students using popular topics that they are motivated to discuss and debate. The syllabus is intricately and professionally designed in order to be a classroom instrument which facilitates the learning process, while our experienced and highly qualified teachers create a dynamic and vibrant classroom experience which is distinctly different from term-time education.

A pre-course assessment helps us to understand students' English levels before they arrive at the school, and they will also speak with a teacher on the first day so as to be correctly placed in a class tailored to their ability. Lessons are designed to build confidence in spoken English through enthusiastic interaction. This culminates in students producing and delivering a presentation on a chosen topic to classmates at the end of the course, celebrating their new-found skills and confidence in spoken English.

Classroom language practice is underpinned by a 24/7 English experience throughout the camp, with all other electives and activities being delivered in English, ensuring that conversational language skills acquired in lessons give students the tools to effectively communicate in real life settings.

Learning Outcomes

- **Increased confidence when speaking in English**
- **Develop your presentation and debating skills in class**
- **Build your vocabulary**
- **Improve all core English skills – with a focus on pronunciation, listening and speaking skills**
- **Develop understanding of a range of topics and situations**



English for Academic Purposes

Focusing on the specific English language skills required to study at English universities or on other English-speaking academic programmes, this course is for those who already have a high level of written and spoken English.

Students will be introduced to IELTS Academic, the English exam often required to apply to an English-Speaking university course and accepted by over 11,000 organisations worldwide. With a focus on the IELTS exam tasks, our course gives students the tools they need to successfully and confidently study an academic course delivered and assessed in the English language.

We concentrate on language techniques that can prove challenging when using English in academia, particularly at university level. Covering a breadth of skills from critical analysis and argument formation to essay writing, presenting and debating, this course is designed to push students to the next level of academic fluency.

Students will learn how to analyse articles, studies and research papers, while developing their critical writing skills, and ability to construct arguments with the correct formality and academic register for maximum clarity and impact at university level. By exploring IELTS speaking exam questions, spoken English practice will include the development of debate, public speaking, and presentation skills; improving confidence and ability to communicate ideas clearly and with ease.

With this insight into English for academic purposes, students will develop a sophisticated tool with which to convey their intellectual aptitude, giving them confidence in applying to or succeeding in English-speaking academic settings.

Learning Outcomes

- **Knowledge of the academic register required for university essay writing and improved understanding of research techniques, structure and development**
- **Improved confidence in both written and spoken English**
- **Increased confidence in debating, presenting and public speaking**
- **Understanding of how to use English in the IELTS academic writing**
- **Understanding of skills required for IELTS Listening, Speaking and Academic Reading**



Entrepreneurship

Be inspired to think differently. Learn the underlying principles of developing a business and find out how successful entrepreneurs operate. Put creative thinking into practice by developing a business idea or product to pitch to the class.

Innovation and creative thinking are some of the most important skills required to succeed in many business settings and are skills we value highly at Charterhouse. Often, the opportunity to develop these practical, creative skills becomes limited in school, in favour of the academic learning required for exams.

The entrepreneurship programme is a great opportunity for growth, not just for those interested in business but for anyone looking to challenge themselves to create and innovate. Through this course, students develop an entrepreneurial mindset, ready to challenge the status quo and proactively innovate for change.

We will look at case studies on inspirational entrepreneurs through history and examine how they excelled and their impact on society.

Students will research and present on inspirational entrepreneurs that inspire them, look at case studies of successful businesses and study the positive impact that these businesses have on individuals and society. Students will understand the framework for setting up and launching a product and will then have a chance to launch their own idea to our teaching team at the end of the course.

Students develop skills in creative thinking, problem-solving, leadership, organising and presenting information and will gain an understanding of how business works as well as environmental and societal considerations.

Learning Outcomes

- ▶ Understanding the tools required to plan and start a business
- ▶ Improved creative thinking and problem solving skills
- ▶ Insight into the world of business through the history of entrepreneurship
- ▶ Better understanding of the qualities required for successful leadership
- ▶ Experience and understanding of project management, strategy and teamwork
- ▶ Appreciation of the breadth of global business opportunities
- ▶ Ability to make a future job application or university application stand out



Global Leadership with PPE

Join our Global leadership course to develop your knowledge of the political, economic, and philosophical challenges facing our world today. This programme provides students with the opportunity to expand and develop knowledge of leadership and the impact leaders have in the modern world. This course is suitable for anyone interested in a career in economics, politics, or leadership in general or would like to learn more about international relations.

In this class students will:

- ▶ Study the effect of economics on government policy
- ▶ Study business and government case studies, with project work on inspirational global leaders
- ▶ Discuss business morality and corporate responsibility
- ▶ Examine the concepts and values used in analysis of both political and economic systems
- ▶ Discuss current leadership challenges such as climate change

Learning Outcomes

- ▶ Understanding the principles around which society has been constructed and the challenges to those principles in the modern age
- ▶ Learn how to think strategically and develop leadership skills in relation to issues that matter to you
- ▶ Critical thinking, analytical and problem-solving skills
- ▶ Improved communication, debating and negotiation skills
- ▶ Gain in confidence dealing with complex ideas and topics
- ▶ Improved debating and presentation skills



Engineering, Technology and Design

These three subjects are collectively shaping the modern world. This multidisciplinary course gives pupils a three-dimensional understanding of the essential skills required to develop technologies that enhance our lives.

Students learn how scientific principles underpin the design and development of machines and technological structures of all kinds. They learn some of the underlying laws of nature and their real-world design application such as selecting appropriate materials based on their properties and designing according to these.

Taking aspects of mathematics, the sciences, computer science and even basic economics, students gain a broad understanding of how different disciplines work together to innovate for the future. The course also covers technical drawing and computer aided design (CAD), teaching students how to accurately present design work.

With a view to how automation can streamline the production process, students will get the opportunity to program a robot to fulfil a specific function.

The course will cover

- Basic mechanics
- Design methodology
- Design and realisation of a structure (e.g. model bridge/building)
- Group presentation on design and costing
- Programming basics
- Use of a programmable robot

Learning Outcomes

- Enhanced practical and experimental skills
- Improved mathematical skills including an understanding of data analysis
- An understanding of the principles of design
- Enhanced communication and team-work skills



Python, Data Science and Machine Learning

Get inside the dynamic world of technology and data. This course is designed to give you the tools and knowledge to start your journey towards conquering the ever-evolving digital landscape. Split into three parts: Python, Data Science and Machine Learning (AI) students learn about some of the most important frontiers in these fields, and where they may see themselves in a future tech career.

Mastering Python. The most influential and widely used programming language in the world, Python is used for everything from AI to gaming to cyber security. Beginners will learn the basics, taking their first steps towards coding greatness while any more experienced programmers on the course will delve deeper into more advanced Python concepts.

The Power of Data Science. There's no shortage of data available to us in the modern world. But how do we unlock the power of data to predict outcomes and inform the future? Students will learn how to make meaningful predictions from data in a wide range of contexts while discovering the almost limitless, powerful, useful and sometimes dangerous potential that data science presents.

Machine Learning and The Future. At the cutting edge of computer science and modern technology is machine learning. Diving into the world of Artificial Intelligence, students take on challenges that spark the imagination. From neural networks attempting to mimic the human brain to Reinforcement learning systems that can master complex tasks like playing video games. Students get hands-on experience with these disruptive technologies while discussing how they're transforming the world around us and what they could mean for the future.

Learning Outcomes

- Project-based real-time use case for each concept
- Hands-on programming experiments
- Software development skills
- Teamwork, logic and problem-solving skills
- Real-world future business demands for these technologies



Choosing one elective to focus on throughout the course, students enjoy creative enrichment through arts, sports or technology alongside their academic study. Electives run for 2 hours a day, 5 days a week and make up 20 hours of the overall programme.

Electives

Tennis

Suitable for improving players who play tennis regularly, the tennis elective is run by Lawn Tennis Association qualified coaches. Playing on our own tennis courts at the school, coaches focus on speed, strategy, coordination and overall technique in fun and dynamic sessions that bring out the best in players.

With a focus on personal improvement through teamwork and fun, the tennis elective offers students a chance to improve in a supportive environment with friendly competition.

Specific tennis lessons include sessions on speed and strength, balance, approach shots to the net, returning serves, serving, net play, footwork, volleying and more.

Learning Outcomes

- **Improve on specific tennis skills and techniques**
- **Develop and understand mental focus**
- **Improve fitness, flexibility, coordination and balance**
- **Learn about match strategy**
- **Develop teamwork and leadership skills**
- **Gain confidence on and off the court**

Our team of professional artists guide students through a creative journey. Introducing a variety of artistic techniques in fun and interactive workshops, students then choose an area of focus for their main project. Creativity and self-expression are encouraged and supported by the teaching team, with each student getting the chance to show their work at the end of the course.

Students will develop their skills and understanding of different media, materials and techniques during workshops and build the confidence to conceptualise and complete their own project.

Students will be inspired by the majestic surroundings at Charterhouse School while also drawing inspiration from visits to famous art galleries and exhibitions during the course.

The art department at Charterhouse is a lively, popular and creative hub of activity with excellent facilities and equipment, ensuring pupils have all the tools they need to realise their creative vision.

Learning Outcomes

- **Develop and build artistic skills and techniques**
- **Experience of visiting galleries and exhibitions and taking inspiration from other artists' work**
- **Understand how to plan and develop a creative concept from imagination to reality**
- **Learn about new artistic techniques, media and materials**



Robotics and Game Design

The course uses gamification to bring to life these pioneering areas of technical advancements with fun-filled exercises. You will learn to write code in a variety of programming languages while playing computer games and building robots.

Game Design using Roblox and Lua

Students design and build their own obstacle game in Roblox Studio and publish it for others to play. They configure and create their own custom models using Lua programming, a powerful text-based scripting language.

Python Game Development

Unlock your passion for Python programming, a very popular coding language in current businesses. You explore the fundamentals of programming concepts using a block-based interface called EduBlock.

LEGO Robotics Programming

Students build complex robots in this engaging, hands-on session using their own LEGO WeDO 2.0 kit. They use sensors and motors to program their models using loops, logic operations, and mathematical operations in a block-based coding interface.

IoT Device Robotics

Using pocket-sized computers and device-based programming, students build hands-on prototypes using LEDs, breadboards, and sensors to create real-time electronic devices. They will discover their passion for technical knowledge in Electronics and IoT computing.



Drama

Suitable for anyone interested in theatre, students can get involved in all aspects of the creative process. Working as a group, students are guided by our teacher to create, design, produce and star in their own production.

Drama is thriving at Charterhouse and we want to extend this passion to our summer school students. We have a state-of-the-art theatre and excellent technical support to assist students in bringing their production to life on-stage.

This course will cover:

- ▶ Exercises that explore the techniques of acting
- ▶ Voice projection skills
- ▶ Improvisation
- ▶ The importance of movement in storytelling
- ▶ The creative process in writing and producing a piece of work
- ▶ The importance of reflecting both during and after the creative process

Learning Outcomes

- ▶ Enhanced self-confidence
- ▶ Understanding of the skills required to create and perform a production
- ▶ Ability to apply workshop skills to production and live performance
- ▶ Appreciation of the variety of forms, practices and traditions within theatre
- ▶ Improved individual communication skills
- ▶ Teamwork and leadership skills





Sports and Leadership

What makes a good leader? How do you communicate your ideas to a team? Our sports and leadership elective teaches transferable leadership skills through an array of exciting sports and activities from the traditional to the adventurous:

- Football
- Swimming
- Raft Building
- Climbing
- Tennis
- Rounders
- Sailing
- Orienteering

Working in a fun, energetic and challenging environment, students develop their self-confidence through teamwork, goalsetting and effective communication. Competitive elements are on a team-level and everyone is guided, supported and encouraged by our sports staff.

This elective accelerates mastering some of life's most valuable skills both in and outside the workplace – confidence, communication, teamwork, problem-solving and resilience.

Charterhouse has a rich sporting history. Not only were we an integral part of the creation of the modern game of football in the 1800s but many full-time pupils have gone on to have successful careers in professional sports.

We have excellent sports facilities including a climbing wall, indoor pool and numerous sports fields and courts. We also take advantage of the beautiful surrounding countryside, a dedicated conservation area.

Learning Outcomes

- Increased confidence, resilience and self-motivation
- Enhanced teamwork and communication skills
- Ability to apply new sporting techniques
- Planning and organisational skills
- Ability to set, meet and evaluate goals
- A basic understanding of the value and function of sports psychology



Photography

Working with a professional photographer, students first learn about a variety of fundamental photography techniques and fields before choosing to focus on a specific project for a mini portfolio to showcase at the end of the course.

Students journey through a brief history of photography in an introductory session, understanding the transition from film to digital media. We look at how software and hardware such as photoshop, lightroom and smart phone cameras have changed the face of photography in the modern world.

Understanding how to identify, create and adjust to properly frame images is the first step to creating the perfect scene. Students explore a range of composition techniques such as the law of thirds, symmetry and dynamic tension, using the beautiful surroundings of the school to showcase their understanding in practice.

We then adjust our cameras to manual mode and journey through various settings and their effect on the relationship between the light and the lens, mastering these complex settings to achieve the perfect shot.

Then it's time to get creative, supporting students to create a mini portfolio to a professional standard, using the IT suite to edit and perfect their images before showcasing their portfolio at the end of the course. Everyone will be able to take their work home with them.

Learning Outcomes

- Gain an insight into the history of photography
- Understand how to use a DSLR camera
- Develop understanding of composition techniques
- Ability to shoot in manual mode
- Enhanced creative and project work skills
- Understanding of how to process films

Activities & Trips

We believe what students learn outside the classroom at Charterhouse is just as valuable as their studies. This is even more true for our summer school, where students are in a new country surrounded by exciting new people for just a short two weeks. By combining an exciting programme of activities and experiences with trips to some of England's most famous cities, we ensure students get a rich, all-round experience while also creating a close-knit family atmosphere. Students enjoy as many of our state-of-the-art school facilities as possible with new friends whilst also experiencing the best of Britain outside of the school grounds.

Afternoon Activities

After afternoon electives, students get to choose from 3 daily-changing activities to enjoy before dinner. These always include something sporty and something creative. Offering a relaxed and informal break from learning, activities allow students to make the most of the facilities on offer and find additional common interest with other students. Examples of activities include:

Sports

- ▶ Swimming
- ▶ Basketball
- ▶ Badminton
- ▶ Rounders
- ▶ Touch rugby
- ▶ Tennis
- ▶ Zumba
- ▶ Yoga

Creative

- ▶ Drumming
- ▶ Painting
- ▶ Clay modelling
- ▶ Jewellery making
- ▶ Poetry
- ▶ Drama
- ▶ Music

Evening Programme

After a day of learning, our evening programme provides students with the opportunity to connect with each other on a whole new level. The only time in the day that every student at Charterhouse Summer School comes together, our vibrant evenings are an integral part of creating the family atmosphere and sense of belonging that students carry with them long after they leave us.

Students will join a house team for the duration of their stay and will return to the same house in future years if they join us again. Each team includes a range of genders, nationalities and ages. These teams form the basis of the evening activities and are designed to encourage international friendships, and develop key leadership skills.

Our staff carefully craft these special evening events to create a friendly but competitive atmosphere between teams.

Our evening programme includes:

- | | |
|----------------|----------------------|
| ▶ Fashion Show | ▶ Mission Impossible |
| ▶ Casino Night | ▶ Disco |
| ▶ Talent Show | ▶ Make an Ad |
| ▶ Team Trials | ▶ Capture the Flag |

London – Full Day

Students will spend a full day in London, visiting the most famous sites in the morning and having time for shopping along Oxford Street, Regent Street and Carnaby Street to name a few! We will also offer the chance to take a boat along the Thames, visit the London Eye or visit the waxworks at Madame Tussauds.

Thorpe Park Theme Park – Full Day

Home to thrilling rides, attractions and live events, Thorpe Park resort is the ultimate destination for thrill seekers featuring some of the UK's most popular roller coasters and amusement park rides. Reach new heights with Stealth the UK's fastest roller coaster launching riders to 205ft at 80mph in just 2.5 seconds!

Hampton Court Palace – Half Day

Discover the home of Henry VIII!

Experience the public dramas and private lives of Henry VIII, his wives and children in the world of the Tudor court. Admire Henry's Great Hall and Tudor kitchens. Discover the spectacular baroque palace built for William III and Mary II and explore Hampton Court Palace's outdoor spaces and 60 acres of magnificent gardens.

Brighton – Half Day

Brighton in East Sussex is vibrant, hip and the most happening of British seaside cities. For historical hot spots, cool eateries and traditional seaside fun. Only an hour from Charterhouse, we spend a half day enjoying the beautiful seaside city with wonderful shopping, a bustling beach and a warm and inviting atmosphere.

Trips



Daily Routine

7:30	Wake up
8:15	Breakfast
9:00	Morning Meeting
9:15	Academic
10:45	Break
11:00	Academic
12:30	Lunch
14:00	Elective
16:00	Break
16:30	Multi Activity choices
17:30	Break / Study Break
18:30	Dinner
19:30	Evening Activity
21:45	Social / check in
22:30	Bedtime

Dates and Fees

Courses available for 10-17 year olds. All academic and elective options are available on each of the 3 course dates. Each two-week programme runs for 13 nights from Monday afternoon to Sunday morning. Airport transfers are available from Heathrow and Gatwick Airports on the first day and last day of the programme.

Dates

Monday 1st July – Sunday 14th July 2024

Monday 15th July – Sunday 28th July 2024

Monday 29th July – Sunday 11th August 2024

Fees

£3,990 per two-week camp (13-nights).

Additional charge for airport transfers if required.

What's included

Tuition

- ▶ 30 hours tuition in chosen academic subject
- ▶ 20 hours tuition in chosen elective subject
- ▶ Small class sizes
- ▶ Report and certificate to take home

Accommodation

- ▶ On-site accommodation in single, twin or quad bedrooms
- ▶ 3 meals a day and an evening snack
- ▶ 24/7 welfare support staff
- ▶ Access to full range of school facilities

Extra Curricular

- ▶ Daily choice of afternoon activities
- ▶ Varied and exciting evening programme
- ▶ Trips to London, Thorpe Park Theme Park, Hampton Court and Brighton



CHARTERHOUSE
SUMMER SCHOOL

Charterhouse Summer School is a trading division of CMT Learning, specializing in residential camps that combine high quality accelerated learning with personal development and opportunity. CMT Learning works with the very best schools in the UK.

