



“For students who are interested in how science, technology, engineering and mathematics (STEM) can be applied in the real world, using Central London as the platform! Students combine STEM with English to improve their accuracy and fluency in an engaging environment. Develop the skills you need to be a world-class STEM professional - thinking critically, working in teams, and linking theory with experimentation.”



# STEM and English



LONDON, UK

## WHAT'S INCLUDED



### TUITION

Workshop based study will be facilitated by light, quick content tuition. The course will incorporate projects as well as group work to apply theory and students will work towards a final presentation. Academic English will help to improve your final presentation.



### LAB WORKSHOPS

Practical lab workshops are a key element of our STEM course and will allow theory learnt to be put into practice.



### ACTIVITIES

We offer a variety of onsite and offsite activities. Our activities provide opportunities for students to have a fun and make international friends.



### EDUCATIONAL VISITS

Our educational visits provide the perfect complement to lectures and workshops and provide a real world perspective to our courses. Visits may include The Science Museum.



### EXCURSIONS

Full day excursions allow students to really get to know the UK. We use major destinations such as Cambridge as a classroom, where students will find creative and cultural information through guided walks and visits to museums and other places of interest.



### CERTIFICATE

Awarded for the successful completion of the course.

# STEM and English

INNOVATION AND CONVERSATION

## COURSE OVERVIEW

Students will take part in interactive lab-based lessons, demonstrations, and science-based English lessons as well as visits to local places of relevant interest based on themes represented in London, like Film and Sport.

Interactive Lab-Based lessons including a dissection, combustion of chemicals and designing a car.

Visit destinations may include the Science Museum, Olympic Park and London Film Museum.

English lessons will develop each of the four skills as well as knowledge of scientific vocabulary and grammar necessary to present their ideas in appropriate English.

## PROGRAMME OUTCOMES

- You will:
- Understand how STEM subjects solve real-life problems
  - Develop practical skills in and outside the lab.
  - Demonstrate your skills in a supportive environment
  - Improve your ability to work as part of a team

## ACTIVITIES & EXCURSIONS

Half-day excursions have academic and cultural learning objectives that will inform and inspire the academic programme as well as familiarising students with one of the world's greatest cities.

Evening activities are energetic, social & fun - highlights; a West End Musical, Disco and a comedy workshop. Weekend Excursions are stimulating with Saturday a mix of exploration and learning whereas Sunday is more relaxing.

## COURSE INFORMATION

<b>CLASS SIZE:</b> Maximum 15	<b>AGE RANGE:</b> 14 - 17	<b>COURSE LENGTH:</b> 1 - 2 weeks
<b>ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL:</b> Upper intermediate B2 level recommended	<b>START DATES:</b> 30/06/2024 (1 - 2 weeks) 07/07/2024 (1 - 2 weeks) 14/07/2024 (1 - 2 weeks) 21/07/2024 (1 week)	<b>FEES:</b> £1,654.00 (per week)
<b>ACCOMMODATION:</b> Single or Twin en-suite room. Meals are included (breakfast, lunch and dinner)		

## SAMPLE PROGRAMME

WEEK 1	MORNING	AFTERNOON	EVENING
	09.00 - 12.00	13.00 - 16.30	19.30 - 22.00
SUN	Arrival at accommodation and induction from house parents		Orientation & Welcome party
MON	<b>Lesson &amp; Experiments : LIGHTS</b> CHEMISTRY - Chemicals and colours they produce - Chemical Testing through burning and reactions. Making the link between science & colour	English Lessons	Comedy Workshop
TUES	<b>Lesson &amp; Experiments : CAMERA</b> PHYSICS - Looking at Reflection, cameras and lenses - Mirrors, prisms, optical illusions and ray boxes	Included Half Day Excursion: Trip to Greenwich by Boat	Cinema night
WEDS	<b>Lesson &amp; Experiments : ACTION</b> BIOLOGY - Dissection of Heart and Microscopes - Looking and making cell slides and looking inside organs Understanding the important Humans involved in film	English Lessons	Chill out evening
THUR	<b>Experiments: Harry Potter and Science</b> General experiments that create illusions - eg fireworks, dry ice, fire	Included Half Day Excursion: Science Museum	Welcome Disco
FRI	<b>CHALLENGE</b> e.g. Present science from one of the experiments of the week & best experimental picture	English Lessons	Street Dance workshop
SAT	Included Full Day Excursion: Cambridge, Walking Tour & an entrance to a Cambridge College		Project group work and relaxing

WEEK 2	MORNING	AFTERNOON	EVENING
	09.00 - 12.00	13.00 - 16.30	19.30 - 22.00
SUN	Visit: London Chill Out Day, local Park, sight-seeing & shopping		Project group work
MON	<b>Lesson &amp; Experiments : READY</b> CHEMISTRY - Making Slime & Burning Foods - calories and coloured slime Making the link between science and the important characteristics of them	English Lessons	Magic Workshop
TUES	<b>Lesson &amp; Experiments : STEADY</b> BIOLOGY - Testing for substances & Measuring heart rate - chromatography and pulse Making the link between science and the human in sport!	Included Half Day Excursion: Trip to Stratford & the slide at Mittal Orbit	Musical Theatre in the West End
WEDS	<b>Lesson &amp; Experiments : GO</b> PHYSICS - Safety, Speed and Acceleration - Crumple zones and looking at movement.	English Lessons	Chill out evening
THUR	Included Half Day Excursion: Football Stadium Tour - learn the history of a football team.	English Lessons	Disco
FRI	<b>CHALLENGE</b> e.g. Design and build an aerodynamic toy car to race	Included Half Day Excursion: National History Museum	Leaving Party
SAT	Included Full Day Excursion: Thorpe Park		Chill out evening
SUN	Departure		

This is a sample programme and all elements may be subject to change. Lessons may take place in the mornings or afternoons.