



STEM and English for Science



“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.”



LAB	15 hrs
ENGLISH LESSONS	7.5 hrs
TUITION	22.5 hrs



LONDON, UK

WHAT'S INCLUDED



TUITION

Students will strengthen their scientific understanding through a series of practical lab-based workshops and demonstrations to allow students to better understand the science behind the activities and experiments. The course will incorporate individual, pair and group work and be communicatively focussed. Participants will also develop their Academic English skills, helping them to prepare for further studies in STEM related subjects in the future.



LAB WORKSHOPS

Practical lab workshops are a key element of our STEM course and will allow theory learnt to be put into practice, working in small groups to solve practical problems and develop projects.



ACTIVITIES

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

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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. The highlights include a West End Musical, a disco and a comedy workshop. Weekend Excursions are exciting with Saturday offering a mix of exploration and learning, while Sunday brings a chance to relax.

COURSE INFORMATION

CLASS SIZE:	Maximum 14	AGE RANGE:	14 - 17	COURSE LENGTH:	1 - 2 weeks
ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL:	Upper intermediate B2 level recommended	START DATES:	28/06/26 (2 Weeks) 5/07/26 (1 Week) 12/07/26 (2 Weeks) 19/07/26 (1 Week)		
ACCOMMODATION: 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	BREAKFAST	Arrival at accommodation and induction from house parents			DINNER	Orientation & Welcome party	
MON		Lesson & Experiments : LIGHTS CHEMISTRY - Chemicals and colours they produce - Chemical Testing through burning and reactions. Making the link between science & colour	LUNCH	English Lessons		Comedy Workshop	
TUES		Lesson & Experiments : CAMERA 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		Lesson & Experiments : ACTION 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		Experiments: Harry Potter and Science General experiments that create illusions - eg fireworks, dry ice, fire		Included Half Day Excursion: Science Museum		Welcome Disco	
FRI		CHALLENGE 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	BREAKFAST	Visit: London Chill Out Day, local Park, sight-seeing & shopping			DINNER	Project group work	
MON		Lesson & Experiments : READY CHEMISTRY - Making Slime & Burning Foods - calories and coloured slime Making the link between science and the important characteristics of them	LUNCH	English Lessons		Magic Workshop	
TUES		Lesson & Experiments : STEADY 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		Lesson & Experiments : GO PHYSICS - Safety, Speed and Acceleration - Crumple zones and looking at movement.		English Lessons		Chill out evening	
THUR		Included Half Day Excursion: Paradox Museum with Zero Gravity Room		English Lessons		Disco	
FRI		CHALLENGE 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.