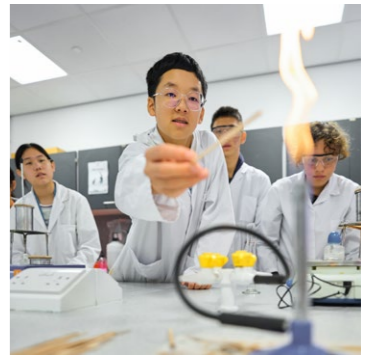




“For students who are interested in how science, technology, engineering and mathematics can be used creatively to solve problems. Students combine STEM with English to improve their accuracy and fluency in an engaging environment. Develop the skills you need to be a world-class STEM professional. Think critically and work in teams to find solutions to real-world problems. Your English tuition will be provided by Stafford House”



# STEM & English for Science



CAMBRIDGE, UK

## WHAT'S INCLUDED:



### TUITION

Workshop based study will be facilitated by background content tuition 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 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 National Space Centre, The Science Museum, Bletchley Park and the National Museum of Computing.



### EXCURSIONS

Full day excursions allow students to really get to know the UK. We use major destinations such as London 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 & English for Science

INNOVATION AND CONVERSATION

## COURSE OVERVIEW

Participants will take part in lectures, workshops and science-based English lessons as well as visits to local places of relevant interest. Lectures will cover subjects such as a physics masterclass and may also feature guest lecturers. Potential Workshops include topics such as Build a Volcano, The Thermite Reaction and Cauliflower Cloning. Students will also take part in practical lab-work demonstrations to put the theory into practice. Visit destinations may include the Science Museum, The National Space Centre or Bletchley Park. English lessons will develop each of the four skills: speaking, listening, reading and writing as well as knowledge of scientific vocabulary and grammar necessary to present projects in appropriate English.

## PROGRAMME OUTCOMES

You will:

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

## ACTIVITIES & EXCURSIONS

One full-day excursion per week is included. Destinations may include London, Warwick Castle or Canterbury. The onsite activities programme is both fun and varied and has something that will interest both creative and sporty students alike. Each day will end with an energetic evening activity which encourages students to socialise with their new international friends. Evening activities are varied and entertaining and may include discos, talent shows and international evenings.

## COURSE INFORMATION

**CLASS SIZE:** Maximum 15      **AGE RANGE:** 14 - 17      **COURSE LENGTH:** 2 weeks

**ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL:** Upper intermediate B2 level recommended      **START DATES:** 29/06/25 - 13/07/25      **FEES:** £3,240 (2 weeks)

**ACCOMMODATION:** Single 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		Welcome Evening & Ice Breaker Activities
MON	Lesson: Group Building - Marshmallow Tower & Egg Drop Challenge	Lessons: English	Welcome Disco or Drama Workshop
TUES	Workshop: PART 1, Lego Robotics - Setting up the scenario & first tasks in Robotics	Lessons: English	"Who wants to be a Millionaire?" Quiz Night
WEDS	Workshop: PART 2 - Lego Robotics - Building Robots, group challenges and coding	Lessons: English	International Night
THUR	Visit e.g. National Space Centre	Lessons: English	Casino Night or English Conversation Club
FRI	Workshop: PART 3, Final challenge and competition winners decided	Lessons: English	Beach Party Disco or Sports
SAT	Included Full Day Excursion e.g. London, The Science Museum (Task - to compare life under pressure in the ocean with life in zero pressure in space) & Life in Ocean (IMAX)		Chill Out Evening including Films, Popcorn & Board Games

WEEK 2	MORNING	AFTERNOON	EVENING
	09.00 - 12.00	13.00 - 16.30	19.30 - 22.00
SUN	Local Visit: a Museum in Cambridge		Presentation preparation for Final Presentation- Group work and Academic Research
MON	Lesson: Group Building - Marble Roller Coaster Week One Reflection	Lessons: English	Fancy Dress Disco or Arts & Crafts e.g. Graffiti Design
TUES	Workshop: Raspberry Pi - Coding a "raspberry pi" to create graphics and develop coding skills	Lessons: English	Game show Night
WEDS	Workshop: Coding, the final chapter - Putting the coding knowledge into practice-competition time!	Lessons: English	"Cambridge's Got Talent!" Talent Show
THUR	Local Visit: Bletchley Park - Alan Turing tour- history of coding and cyphers	Lessons: English	Murder Mystery Activity
FRI	Workshop: Computer Programming workshop - Raspberry Pi Challenges at Computer Museum - Contextualised Learning Workshops	Lessons: English	Masked Ball Disco or Sports
SAT	Included Full Day Excursion: Canterbury & Walking Tour + Cathedral entrance		Chill Out Evening including Films, Popcorn & Board Games
SUN	Departure		