



Bosworth
Independent
School

STEM

Northampton, UK





“For students who are interested in how science, technology, engineering and mathematics (STEM) can be applied creatively in the real world to solve problems. Develop the skills you need to be a world-class STEM professional - thinking critically, working in teams, and linking theory with experimentation.”



Northampton, UK

What's included:



Tuition

Students will strengthen their scientific understanding through 22.5 hours per week of practical lab-based workshops and demonstrations. The course will incorporate individual, pair and group work and be communicatively focussed. Participants will also develop their 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 lessons and workshops and give a real world perspective to our courses. Visits may include The National Space Centre in Leicester and the Silverstone Museum Tour.



Excursions

Full day excursions allow students to really get to know the UK. We use major destinations such as Cambridge and 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

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Course Overview

Participants will take part in lectures and workshops as well as visits to local places of relevant interest. Potential workshops include topics such as Lego Robotics, Smartphone Spectrometer and a Hi-Tech Escape Room. Students will take part in practical lab-work demonstrations to put the theory into practice. Visit destinations may include the National Space Centre in Leicester and the Silverstone Museum Tour.

Programme Outcomes

- 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

English, Activities & Excursions

One full-day excursion is included and destinations may include London and Cambridge. Two half-day excursions per week are also included and destinations may include Warwick Castle and Bicester Village. Each day will end with an energetic evening activity which encourages students to socialise with their new international friends. Evening activities are varied and fun and may include discos, talent shows and international evenings.

Course Information

Age Range: 14 - 17		English Class Size: Maximum 15	Course Length: 2 weeks
Centre:	Bosworth Independent School, Northampton, UK	Start Dates:	27 June to 8 August 2027
		Min Language Level:	Intermediate (B1)
Accommodation: Residential accommodation is onsite in one of six boarding houses in a variety of singles and shared rooms, with shared bathrooms. Meals are included (breakfast, lunch and dinner)			



Sample Programme

WEEK 1		MORNING	AFTERNOON		EVENING
SUN	BREAKFAST	Arrival, Induction & Campus Tour			Welcome Evening & Ice Breaker Activities
MON		Spaghetti & Marshmallow tower stack challenge	LUNCH	Lego Robotics – Theory and setup of coding	Welcome Disco or Drama-Based Games
TUES		Included Full Day Excursion: National Space Centre with STEM workshop			“Who Wants to be a Millionaire?” Quiz Night
WEDS		Bosworth Hi Tech escape room	LUNCH	Lego Robotics – the big build & coding	International Night
THUR		Included Full Day Excursion: Bletchley Park and National Computing Museum Workshop			Casino Night or English Conversation Club
FRI		Python workshop 2 – The rocket launch!	LUNCH	Raspberry Pi – Coding and graphics workshop	Beach Party Disco or Sports
SAT		Included Full Day Excursion: London Sightseeing Walking Tour			Chill Out Evening including Films, Popcorn & Board Games
WEEK 2		MORNING	AFTERNOON		EVENING
SUN	BREAKFAST	Onsite Activities e.g. British Sports Day, or Sightseeing in Northampton			British Culture Evening
MON		Introduction to Crest Awards STEM challenges	LUNCH	STEM Challenge - Smartphone Spectrometer	Fancy Dress Disco or Arts & Crafts e.g. Graffiti Design
TUES		Can we rid the world of disease? Biology challenge		Included Half Day Excursion: Birmingham	Game Show Night
WEDS		I feel the need, the need for speed!		Engineering in Formula 1 racing	“Bosworth’s Got Talent!” Talent Show
THUR		Downforce – a racing car disruptor?		Included Half Day Excursion: Silverstone Museum Tour	Murder Mystery Activity
FRI		Design & build your sports car using the knowledge you have learnt this week. Can you code a programme to ensure you reach the finish line of the Bosworth race track?		It's race time! Which car will finish the race first, who will be on pole positions?	Masked Ball Disco or Sports
SAT		Included Full Day Excursion: Cambridge Walking Tour and a Cambridge College			Chill Out Evening including Films, Popcorn & Board Games
SUN	Departure				

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