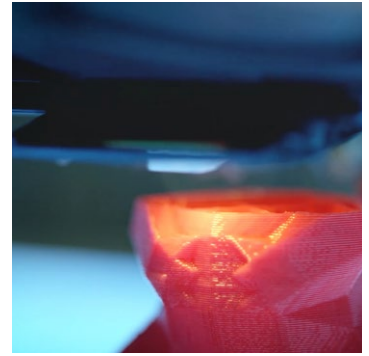




STEAM



“Explore ideas, experiment with materials, and build your own devices in the CATS Innovation Lab on campus such as robots, wearable technology and rockets. At CATS Academy, the city of Boston will be an extension of your classroom. You will meet local artisans, engineers, scientists and entrepreneurs to enhance your learning. This program will inspire you to apply your knowledge of Science, Technology, Engineering, Arts and Math”



BOSTON, USA

WHAT'S INCLUDED:



TUITION

Workshop based study will be facilitated by light, quick content tuition. The course will incorporate Science, Technology, Engineering, Arts and Maths projects as well as group work to apply theory and students will work towards a final presentation.



INNOVATION LAB

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



ACTIVITIES

We offer a variety of onsite activities including sports, arts and crafts and team games. Our activities provide opportunities for students to use the English they have learnt 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 Harvard University, Marine Biological Laboratories and the MIT Museum.



EXCURSIONS

Excursions allow students to really get to know the USA. We use destinations such as Downtown Boston as a classroom, where students will find historic and cultural information through guided walking tours and visits to museums and other places of interest.



CERTIFICATE

Awarded for the successful completion of the course.

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STEAM

DEVELOP YOUR CREATIVITY

COURSE OVERVIEW

Participants will take part in lectures, workshops and lab-based lessons as well as visits to local places of relevant interest. The course focuses on the application of Science, Technology, Engineering, Art and Maths to a series of real-world problems. The CATS Boston Innovation Lab allows our students to explore ideas, experiment with materials and build their own devices. The city of Boston and its environs will serve as an extension of the classroom through visits to Harvard, Marine Biological Laboratories and MIT Museum.

PROGRAMME OUTCOMES

You will:

- Learn how science, technology, engineering and math work in the real world.
- Build teamwork and project management skills.
- Learn how to build and program electronics and apply your knowledge by completing a Wearable Technology project.
- Learn how to use open-source technology to develop and practise coding skills.
- Visit local STEM institutions.

ACTIVITIES & EXCURSIONS

One full day excursion per week is included. Destinations may include Boston, New York and Six Flags Theme Park. Evening activities are varied and fun and may include discos, talent shows and international evenings.

COURSE INFORMATION

CLASS SIZE: Maximum 16	AGE RANGE: 14 - 18	COURSE LENGTH: 1 - 4 weeks
ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL: Upper Intermediate B2 level recommended	START DATES: 10th July 2022 17th July 2022 24th July 2022 31st July 2022	FEES: \$2,200.00 (per week)

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				Welcome Evening & Ice Breaker Activities	
MON		Lesson: Bridge Introduction	LUNCH	Workshop: Bridge Building Time		Team Building exercises	
TUES		Lesson: Bridge Testing		Lecture: Creative problem solving: learn and plan		Students vs Staff Sports	
WEDS		Lesson: Logic - Puzzles / Brain Teasers		Marine Biological Laboratory		American Culture Trivia Night	
THUR		Lesson: Creative problem solving: plan, deliver and reflect		Ocean documentary - Blue Planet/coral reefs		International Night	
FRI		Lesson: Logic puzzles/brain teasers/open discussion		Harvard University Tour		Disco Dance Party	
SAT		Included Full Day Excursion: Canobie Lake Park				Chill Out Evening including Movies, Popcorn & Board Games	
				DINNER			

WEEK 2		MORNING		AFTERNOON		EVENING		
		09.00 - 12.00		13.00 - 16.30		19.30 - 22.00		
SUN	BREAKFAST	Onsite Activities e.g. Team Building Games, or Optional Full Day Excursion (at extra cost -please book before arrival)				American Culture Evening		
MON		Workshop: Projectile Motion Lab: Learn & build	LUNCH	Workshop: Projectile Motion Lab: FIRE!		Welcome Evening & Ice Breaker Activities		
TUES		Lesson: Logic puzzles/Brain teasers		MIT tour	Free Time in Cambridge	Team Building exercises		
WEDS		Lesson: DIY electronics intro		Lesson: DIY electronics build		Fashion Show		
THUR		Lesson: DIY electronics build		Diy electronics presentation		"Boston's Got Talent!" Talent & Karaoke Show		
FRI		New England Aquarium				Disco Dance Party		
SUN		Included Full Day Excursion: Newport, Rhode Island				Chill Out Evening including Films, Popcorn & Board Games		
SAT	Departure							
				DINNER				