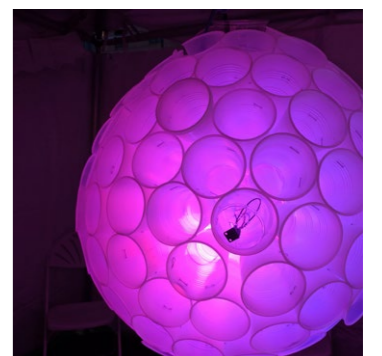
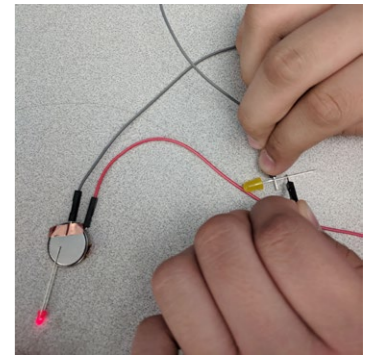




“Explore ideas, create electronic circuits and learn how to design and fabricate 2-D and 3-D laser cut objects in the CATS Innovation Lab on campus. Create 3-D artwork, light fixtures, puzzles, architectural models, 3-D sculptures and more. This program will inspire you to apply your knowledge of Science, Technology, Engineering, Arts and Math.”



# STEAM



**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.

WEB: [CATSACADEMYBOSTON.COM](http://CATSACADEMYBOSTON.COM) | EMAIL: [RESERVATIONS@STAFFORDHOUSE.COM](mailto:RESERVATIONS@STAFFORDHOUSE.COM) | PHONE: +44 (0) 1227 787 730

# 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.

## PROGRAM 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 STEAM institutions.

## ACTIVITIES & EXCURSIONS

One full day excursion per week is included. Destinations may include Boston, Rhode Island, Canobie Lake Park and New York City. Evening activities are varied and fun and may include discos, talent shows and international evenings.

## COURSE INFORMATION

**CLASS SIZE:** Maximum 16      **AGE RANGE:** 14 - 17      **COURSE LENGTH:** 1 - 4 weeks

<b>ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL:</b> Upper Intermediate B2 level recommended	<b>START DATES:</b> 29th June 2025 6th July 2025 13th July 2025 20th July 2025 27th July 2025	<b>FEES:</b> \$2,665.00 (per week)
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**ACCOMMODATION:** Single en-suite room. Meals are included (breakfast, lunch and dinner)

## SAMPLE PROGRAM

WEEK 1	MORNING	AFTERNOON	EVENING
	09.00 - 12.00	13.00 - 16.30	19.30 - 22.00
SUN	Arrival and Local Orientation		Orientation Activities
MON	Workshop: Projectile Motion Lab: Learn & build	"Included Half Day Excursion: Boston Aquarium"	Welcome Party
TUES	Workshop: Projectile Motion Lab: FIRE!	Lesson: Logic puzzles/brain teasers/open discussion	Halloween Party
WEDS	Lesson: DIY electronics intro	Included Half Day Excursion: MIT Tour	Sports or Board Games
THUR	Lesson: DIY electronics build	Lesson: DIY electronics build	International Night
FRI	Diy electronics presentation	Included Half Day Excursion: Historical tour of Plymouth	Movie Night
SAT	Included Full Day Excursion: Canobie Lake Amusement Park		Relax with Friends

WEEK 2	MORNING	AFTERNOON	EVENING
	09.00 - 12.00	13.00 - 16.30	19.30 - 22.00
SUN	Onsite Activities e.g. Arts & Crafts and Sports, Shuttles to the Mall, or Optional Full Day Excursion (at extra cost -please book before arrival)		
MON	Lesson: Bridge Introduction	Workshop: Bridge Building Time	Ice Breakers
TUES	Lesson: Bridge Testing	Included Half Day Excursion: Boston Harbor Cruise & Tour	Game Show Night
WEDS	Lesson: Logic - Puzzles / Brain Teasers	Included Half Day Excursion: Harvard University Tour & Cambridge area	Sports or Board Games
THUR	Lesson: Creative problem solving: plan, deliver and reflect	Lecture: Creative problem solving: learn and plan	Karaoke & Talent Night
FRI	Lesson: Logic puzzles/brain teasers/open discussion	Included Half Day Excursion: Newbury Street Shopping & Copley Square Tour	Murder Mystery Activity
SAT	Included Full Day Excursion: New York City		
SUN	Departure		