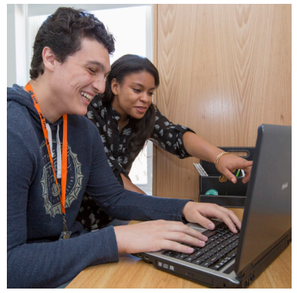
“For students who have a natural curiosity about the world and an interest in modern technology and applications. Explore ideas, experiment with materials, and build your own devices while on field trips and on campus. You will also meet local artisans, engineers, scientists, and entrepreneurs, whilst exploring the city of Boston”



CODING

CATS BOSTON

BOSTON, USA

WHAT’S INCLUDED:

TUITION
Lessons and workshops that allow students to apply coding to solving a number of problems, including designing a computer game.

VIDEO GAME CODING
Students will take part in workshops with a focus on design software and coding practises in order to create their own video game as the final outcome.

EDUCATIONAL VISITS
Our educational visits provide the perfect complement to lectures and workshops and give a real world perspective to our courses. They include tours of both Harvard University and MIT.

ACTIVITIES
We offer a variety of onsite activities including sports, arts and crafts and team games. Our activities provide opportunities for students to have fun and make international friends.

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 including a final finished computer game.

WEB: **CATSACADEMYBOSTON.COM** | EMAIL: **RESERVATIONS@STAFFORDHOUSE.COM** | PHONE: **+44 (0) 1227 787 730**

CODING

EXPLORE MODERN TECHNOLOGY

COURSE OVERVIEW

This course will combine lessons, lectures and workshops to engage and inspire students who are interested in coding and modern technology. Lectures introduce theory while lessons allow students to look at web design, basic Java skills and 2D arrays. During workshops students will explore design software, real-world programming and coding practice culminating in creating their own video game. Visits to local universities including the world-renowned MIT and Harvard will also be included enabling students to get a taste of where their further studies could take them.

PROGRAM OUTCOMES

You will:

Learn the basics of web design.

Learn the basics of Java.

Learn how to use professional design software.

Learn how programming is used in the real world.

Explore video game design.

Create your own video game.

Visit top U.S. universities including MIT.

ACTIVITIES & EXCURSIONS

One full day excursion per week is included. Evening activities are varied and fun and may include discos, talent shows and international evenings.

ACCOMMODATION

Single en-suite residence.

Meals are included (breakfast, lunch and dinner)

COURSE INFORMATION

CLASS SIZE:	Maximum 14	**AGE RANGE:**	14 - 18*	**COURSE LENGTH:**	1 - 2 weeks
ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL:	Intermediate recommended	**START DATES:**	21st July 2024, 28th July 2024	**FEES:**	$2,299.00 (per week)

*18 year old students only accepted as part of a group where all students are returning to secondary education in September 2024. 18 year olds must follow all school rules as minors. Separate rules apply regarding lessons and activities, please enquire.

SAMPLE PROGRAM

WEEK 1	MORNING	AFTERNOON	EVENING
	08.45 - 12.00	13.00 - 16.00	19.30 - 22.00
SUN	Arrival at accommodation and induction		Movie Night & Gym Night
MON	Welcome program and design ice breaker	Included Half-day Excursion: Freedom Trail and Quincy Market	Welcome Party: Team Building/Name Games
TUES	Lesson: Website reflections	Lecture: How computers work and what computing means	Halloween Party
WEDS	Lesson: The basics of Java	Included Half-day Excursion: Harvard Tour	Jeopardy Quiz Night
THUR	Workshop: Basic video game design / Workshop: Create a basic video game	Guest Speaker/Company Visit	Karaoke Night
FRI	Reflections, re-cap and trouble-shooting of the week's topics	Workshop: Design software	Neon Disco Party
SAT	Included Full Day Excursion e.g. Canobie Lake Park		Gym Night/Board Games/Arts & Crafts

WEEK 2	MORNING	AFTERNOON	EVENING
	08.45 - 12.00	13.00 - 16.00	19.30 - 22.00
SUN	Onsite activities e.g. Team Building Games and shuttles to the mall		Movie Night
MON	Lesson: Program design	Included Half-day Excursion: Museum of Science	Welcome Party: Team Building/Name Games
TUES	Lesson: Conditionals and loops	Workshop: Coding Practice	Mardi Gras Party
WEDS	Lecture: The basics of classes	Included Half-day Excursion: MIT Tour and Museum	Minute To Win It Competition
THUR	Lesson: Arrays & 2D arrays / Lesson: Bringing Code together	Guest Speaker/Company Visit	International Night
FRI	Reflections, re-cap and trouble-shooting of the week's topics	Workshop: Real world programming	Hawaiian Disco Party
SAT	Included Full Day Excursion e.g. Newport, Rhode Island		Gym Night/Board Games/Arts & Crafts
SUN	Departure		

BREAKFAST · LUNCH · DINNER

This is a sample program and all elements may be subject to change.