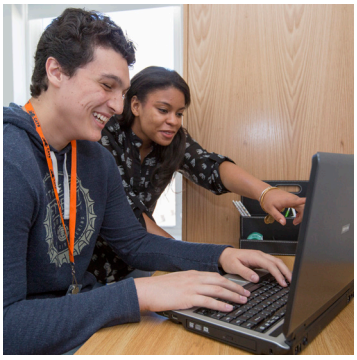
CODING

CATS
BOSTON

“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”



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.

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.

PROGRAMME 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. 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 - 2 weeks
ACADEMIC REQUIREMENTS/ LANGUAGE LEVEL:	Intermediate recommended	**START DATES:**	23rd July 2023	**FEES:**	$2,090.00 (per week)

SAMPLE PROGRAMME

WEEK 1	MORNING		AFTERNOON		EVENING
	09.00 - 12.00		13.00 - 16.30		13.00 - 16.30
SUN	Arrival at accommodation and induction				Welcome Evening & Ice-breakers
MON	Welcome program and design ice breaker		Lesson: The basics of web design		Music Quiz
TUES	Lesson: Website reflections		Lecture: How computers work and what computing means		Games Show Night
WEDS	Lesson: The basics of Java		Workshop: Design software	Workshop: Real-world programming	Sports Tournament
THUR	Workshop: Basic video game design	Workshop: Create a basic video game	Lesson: Indie game: The movie		International Night
FRI	Reflections, re-cap and trouble-shooting of the week's topics		MIT tour	Free Time in Cambridge	Disco Dance Party
SAT	Included Full Day Excursion e.g. Canobie Lake Park				

BREAKFAST | LUNCH | DINNER

WEEK 2	MORNING		AFTERNOON		EVENING
	09.00 - 12.00		13.00 - 16.30		13.00 - 16.30
SUN	Onsite Activities e.g. Team Building Games				American Culture Evening & Trivia Night
MON	Lesson: Program design		Lesson: Java		Team Building Exercises
TUES	Lesson: Conditionals and loops		Workshop: Coding Practice		Karaoke Night
WEDS	Lecture: The basics of classes		Lesson: Java		Sports Tournament
THUR	Lesson: Arrays & 2D arrays	Lesson: Bringing Code together	Workshop: Atari - Game Over		Talent Show
FRI	Reflections, re-cap and trouble-shooting of the week's topics		Harvard University Tour	Free Time in Cambridge	Themed Disco
SAT	Included Full Day Excursion e.g. Newport, Rhode Island				
SUN	Departure				

BREAKFAST | LUNCH | DINNER

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