CODING
CAMP

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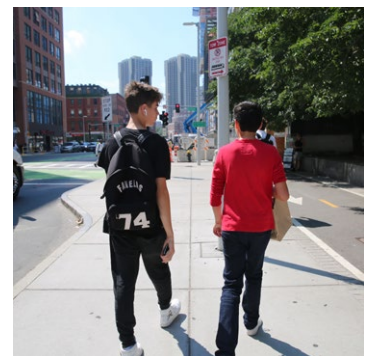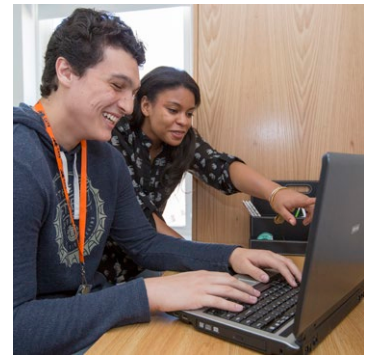
"For students who have a natural curiosity about the world and an interest in modern technology and applications. Explore ideas, experiment with materials, and build your own devices while on field trips and on campus. You will also meet local artisans, engineers, scientists, and entrepreneurs, whilst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

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

CODING CAMP

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:**	24th July 2022	**FEES:**	$1,900.00 (per week)

SAMPLE PROGRAMME

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

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

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