



Boston Sample Programme 2018

2 Week STEM Programme

	Morning	Afternoon	Evening
Sunday	Arrival and Local Orientation		Welcome Evening & Ice Breaker Activities
Monday	Introduction to STEM Themes and Design Thinking: Build a Bridge	Tour of Solar Power Plant - Solar/Renewable Energy Activity	Welcome Disco or Drama-Based Games
Tuesday	MIT Campus Tour - Visit MIT Centre for Advanced Nuclear Energy Systems	Visit MIT/Harvard Broad Institute - MIT Aero/Astro Tour & Wind Tunnel Demonstration	"Who Wants to be a Millionaire?" Quiz Night
Wednesday	Basics of Coding (Arduino, Raspberry Pi & Python) and Wind Energy Activity	Visit Kingston Wind Power - Renewable Energy Demonstration	International Night
Thursday	Harvard University Campus Tour	Visit Harvard Museum of Natural History	Casino Night or English Conversation Club
Friday	Basics of Electronic Circuits and 3D Printing Activity	Workshop: Make your own Wearable Technology	Beach Party Disco or Sports
Saturday	Included Full Day Excursion: Cape Cod & Provincetown		Chill Out Evening including Movies, Popcorn & Board Games
Sunday	Onsite Activities e.g. Team Building Games, or <i>Optional Full Day Excursion (at extra cost - must be booked in advance)</i>		American Culture Evening
Monday	Introduction to Robotics	Robotics Programming Challenge: Integrating Sensors	Fancy Dress Disco or Arts & Crafts e.g. Graffiti Design
Tuesday	Visit Woods Hole Oceanographic Institute - Alvin Submersible	Visit Woods Hole Oceanographic Institute - Aquarium & Marine Biology Lab	Game Show Night
Wednesday	Robotics Programming Challenge: Line Following	Robotics Building Challenge: Gear Ratios	"Boston's Got Talent!" Talent Show
Thursday	Visit MIT Computer Science & Artificial Intelligence Laboratory	Visit MIT Media Lab	Murder Mystery Activity
Friday	Robotics and Wearables Project: Completion and Discussion	Visit Downtown Boston, Boston Waterfront & Codzilla Speedboat Ride!	Masked Ball Disco or Sports
Saturday	Included Full Day Excursion: Six Flags Theme Park (including science-based activity)		Chill Out Evening including Movies, Popcorn & Board Games
Sunday	Departure		

This is a sample programme and all elements may be subject to change.
Lessons may take place in the mornings or afternoons.