



The ultimate classroom without walls where science meets creativity, engineering meets imagination and every day brings a new discovery.

New York is more than a famous skyline. It is a living laboratory where science, technology, engineering and design shape everyday life. From skyscrapers and transport systems to medical research, robotics aerospace and digital innovation, students experience how STEM connects directly to the real world.

For GCSE and A level students this trip brings classroom topics to life through hands-on workshops, real engineering achievements and inspiring city experiences.

Build, test and explore through interactive robotics, engineering and maker activities. Stand beneath the space shuttle enterprise and explore the engineering behind flight and space travel. See how architecture, public space and sustainable design are transforming New York.

More than a museum trip, New York offers a balanced mix of learning, teamwork, exploration and memorable New York moments for all group sizes. Students will return home, with not only photos and memories but with a clearer understanding of how STEM skills are used in the real world and how they could be part of shaping the future!

CURRICULUM LINKS

Our STEM Discovery school tour to New York is particularly relevant to students studying Science, Technology, Maths and Economics or Business Studies.

KS3

- Physics
- Design and technology
- Maths
- Biology

GCSE

- Forces and Motion
- Energy transfer
- Materials and structures
- Data and technology
- Design and technology
- Maths

A Level

- Mechanics and waves
- Electricity and control systems
- Biological and medical technology
- Engineering design and problem solving
- Maths



SUGGESTED ITINERARY

Robotics, engineering space technology, urban innovation and iconic New York experiences – designed for curiosity!

Day 1	Morning	Afternoon	Evening
	Flight to New York	Meet coach and transfer to accommodation	NYC's Times Square, shopping and sightseeing, evening meal at restaurant
Day 2	Morning	Afternoon	Evening
	Visit Liberty Science Center (full day) for variety of hands on, interactive STEM workshops led by educators, including Robotics and coding workshop, Tech Lab 3D design and fabrication engineering challenge	Lab workshop (physics or biology) Independently explore the exhibitions Visit planetarium led by a presenter	Option of a Broadway Show Evening meal at restaurant
Day 3	Morning	Afternoon	Evening
	Visit Intrepid Museum Flight deck, space shuttle enterprise and engineering gallery	High line walk, Chelsea market Little Island free time to explore on foot	Evening meal at restaurant
Day 4	Morning	Afternoon	Evening
	Visit Central Park	Transfer to airport	Return flight to UK
Day 5	Morning	Afternoon	Evening
	Arrive UK		

EDUCATIONAL VISIT OPTIONS

- National Museum of Mathematics “MoMath”
- The Museum of Finance
- National Museum of Mathematics “MoMath”
- The Museum of Finance



SAMPLE ACCOMMODATION



HI NEW YORK

HI New York is located in a historic building on the Upper West Side of Manhattan.

The hostel offers modern, dormitory-style accommodation (students accommodated in 4 - 12 bedded rooms) with bathrooms in the hallway. Linen, towels, and a housekeeping service are provided. Private rooms for teachers are also available.

The hostel is situated just one block from Broadway Avenue and a main subway line, and only minutes from Central Park.

BEYOND ORDINARY - THE VISIONS DIFFERENCE

Visions in Education offer fully immersive, hands-on, educational trips of a lifetime. We support our teachers from planning the perfect trip, right through to hands-on support on the ground. Our excellent portfolio of destinations has been chosen to provide the best experience for all our travelling students.



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