



Your guide to  
**COMPUTING &  
COMPUTER SCIENCE**  
school trips 2019-20

# Organising a school trip?

## We're here to help.

We know it can be time consuming to plan a school trip, that's why we work hard to ease the pressure on teachers.

### Choose NST for:

- The widest range of inspiring tour programmes & student events matched to the latest exam board specifications
- A tailor-made quote with no hidden costs & flexibility to hold arrangements until deposits are collected
- FREE trip launch kit & educational resource packs
- A dedicated, educational travel expert to take care of all the details & create a smooth-running daily itinerary
- My Tour Manager - our award-winning online trip organiser - to give teachers 24/7 access to their school trip information and help keep on track of admin
- Instant access to trip information whilst on tour with our award-winning travel app
- 24-hour emergency cover, audited accommodation & transport, a wide choice of assessed excursions & FREE preview visits to assist with risk assessment planning
- On-the-ground support from NST's representatives, guides & escorts in many of our destinations
- Reassurance for parents & teachers with NST's Locate My Trip providing live updates on a group's tour location
- Financial protection - NST are fully bonded through ABTA & ATOL
- More than 50 years' experience of creating expertly planned school trips that suit the individual needs of each group



Queen Elizabeth School

Looking for a helping hand for your next school trip?  
Get in touch today.

Call 0845 293 7974 Email us at [info@nstgroup.co.uk](mailto:info@nstgroup.co.uk)  
Visit [nstgroup.co.uk](http://nstgroup.co.uk) or chat online



We're the travel company of choice for over 35,000 group leaders. We've been awarded the Feefo Gold Service award, an independent seal of excellence for delivering exceptional experiences, as rated by real customers.



## *With you every step of the way*

Taking learning beyond the classroom is widely known to help young people build strong, positive relationships and independence, as well as improving academic achievement. A school trip often brings a sense of experience and enjoyment to learning, supporting the wider character development and resilience students need to deal with life's inevitable challenges.

At NST, we passionately believe in the importance of enriching educational experiences outside the classroom. That's why you won't find a wider choice of destinations, inspiring visits, educational guided tours, and hands-on workshops anywhere else. This year, we've also introduced our LIVE! student events led by industry professionals, giving students a bridge into the world beyond the classroom as they prepare to become work-ready.

When it comes to organising a school trip, we understand just how much time and energy it can take on top of teaching. What's more, many schools are not aware that when they arrange transport, accommodation, and other services directly themselves, they'll have all the responsibilities of a travel company - both legal and financial - under the new Package Travel & Linked Travel Arrangements Regulations 2018.

That's where NST can help. We're an LOfC accredited provider, giving you peace of mind that all the elements of your trip have been carefully checked on your behalf - a view supported by the DfE's recent recommendations on selecting a travel provider.

We're the travel company of choice for over 35,000 group leaders, but we know that what counts is the help and support that you receive. That's why we're committed to doing our absolute best to provide you with the experience and support that you need to match your requirements and budget and create a school trip that your students will remember long after they return to the classroom.



*Steve Craven*  
NST Director

WE'RE A  
**STEM**  
AMBASSADOR

## *Contents*

Inside our guide you'll discover some of the most intriguing destinations to explore and bring computing & computer science to life.

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### **START PLANNING & SAVE!**

Book by the end of May 2019 & SAVE  
£20pp on all long haul tours  
& £10pp on all European tours.

### **FREE PLACES**

We offer a generous free place ratio  
of 1 in 10 for air travel  
and 1 in 8 for coach travel.

### **LOYALTY REWARD**

Save £5pp from your first consecutive  
year of travel onwards with our  
loyalty reward.

### **INSPECTION VISITS**

Free inspection visit to assist with your  
school tour risk assessments.  
2 night complimentary stay for 2 people  
in your chosen destination.



# London

This exciting destination offers pupils the opportunity to explore a range of computing and computer science themes at a number of intriguing visits and hands on workshops, whilst also enjoying a big city experience. We'll tailor-make your itinerary to suit your group's specific learning requirements to include the best visits and attractions at great value for money.

## At a glance

**Getting there** We offer a range of options to get you to and around your destination – and back home again – with ease, including executive coach or rail.

**When to go** London is a year-round destination.

### Good to know

- Best explored on foot or by tube. NST can book tube tickets for your group in advance of your departure.
- NST can book West End theatre tickets in advance for your group in order to secure the best availability and prices.
- If you are on a budget, then London offers plenty of free, fun and educational museum visits.

**Eating out** NST can pre-book meals at a range of restaurants making it easier for you.

**What to pack** Good, sturdy footwear, light layered clothes for walking around, rucksack / small light suitcase with wheels if travelling by rail, and some spending money for souvenirs!

prices start  
from  
**£99** pp

**Price includes:** 1 night's B&B accommodation, executive coach transport from and to school and throughout your stay, group travel insurance, and 1 in 8 free place ratio. Price shown based on 40 paying passengers travelling from selected departure points in November 2019.

## TOP VISIT



Step on to authentic sets, discover the magic behind spellbinding special effects and explore the behind-the-scenes secrets of the Harry Potter film series.

Located at the Studios where it all began.

New for 2019 – enter the set of Gringotts Wizarding Bank!

TM & © 2019 Warner Bros. Entertainment Inc. Harry Potter Publishing Rights © JKR.

## HARRY POTTER EDUCATIONAL WORKSHOPS

A programme of educational workshops has been created to complement the Studio Tour. These workshops are delivered in a purpose-built classroom and use the Harry Potter™ film series as an example of the wider context and theories surrounding filmmaking. You'll even get access to free downloadable pre- and post-visit resource packs to use in the classroom.

### Movie Graphic Design

Pupils will learn the processes involved in creating movie graphics, from Weasleys' Wizard Wheezes products to copies of the Daily Prophet newspapers.

### Careers in the Creative Industry

The film industry offers exciting career opportunities. As the Harry Potter film series exemplifies, careers in the industry require talent, creativity and craft.

# Trip highlights

PRICING KEY FOR VISITS **FREE** Free £ Under £5pp £ £ Under £10pp £ £ £ £10pp+



£ £ £

## APP MAKING WORKSHOP

During this workshop, a company which develops apps will talk about the process of developing apps and take a look at some of the top apps. The second part of the workshop will be getting the group to do some of the planning around how they would approach making an app themselves. Additional focus will be on making an app user friendly.



£ £ £

## SILICON ROUNDABOUT / TECH CITY GUIDED WALKING TOUR

This two-hour tour starts at Shoreditch Grind and finishes at Google Campus. Your pupils will take a first-hand look at the businesses in the area - such as ASOS, Spotify and Zoopla - and your guide will discuss why London and the Silicon Roundabout has an advantage over other global technology clusters.



£ £ £

## LEGOLAND® WINDSOR RESORT

LEGOLAND® offers two educational workshops covering Computing & Computer Science for KS3 pupils. LEGO® Robotics and LEGO® Computer Design and Control, teach pupils about algorithms, Boolean, sequences and inputs & outputs through building and debugging programmes.



£ £ £

## NATIONAL MUSEUM OF COMPUTING

See a short presentation which will include; an introduction to the Museum, the role of Bletchley Park and the plan for the day. The tours will enable pupils to see computers from the 1950s through to the iPhone.



£ £ £

## BLETCHLEY PARK

Choose from a number of 4-hour Computing workshops: Codes and Ciphers, Cyber Secrets, Cyber Security and the Mathematics of Enigma. Workshops can be tailored to key stage.



£ £ £

## THORPE PARK RESORT

Thorpe Park offer a 40-minute computing workshop for KS3 and KS4. Pupils will see how digital images can be manipulated for effect, and investigating future technologies.

## Don't miss...

### • APPLE STORE **FREE**

On their visit, pupils can create something amazing there on the spot with Apple products. Apple also offer free 1 hour workshops: exploring creative storytelling, elevating ideas to action, developing multi-sensory learning and getting started with coding and robots.

### • SCIENCE MUSEUM **FREE**

Featuring exhibits on computing and ICT with a collection representing how the storage, manipulation and communication of information have become fundamental to human existence.

### • SKY SKILLS **FREE**

Groups will get a behind the scenes tour of Sky Studios, a hands on learning experience where they will create their own television report.

### • CENTRE FOR COMPUTING HISTORY £ £

There are four workshops available: Coding in BASIC, Introduction to Python, Controlling External Objects and Build Your Own Adventure Game.

### • THE O2 - NISSAN INNOVATION STATION

**FREE** A fun and interactive brand center at the O2 packed with fun games, exciting technologies, mind opening questions and where pupils will have the opportunity to learn about tomorrows technology today.

### • CHOCOLATE FILMS £ £ £

Half-day animation taster workshops using stop motion animation and professional software.

## Key topics & study themes

- Algorithms
- Programming
- Computer systems
- Software development
- Impacts of digital technology
- Cyber security

## Suggested itinerary

**Day 1** Morning departure from school. App Making Workshop. Meal at Pizza Express and a trip on the Coca-Cola London Eye.

**Day 2** Silicon Roundabout / Tech City Guided Walking Tour. Depart for return journey to school.

**For prices for this itinerary, please call us.**

SEE MORE ONLINE





## Where you will be staying



### MEININGER HYDE PARK

In an ideal central location offering a unique blend of high quality accommodation, full meal options and large selection of conference rooms.



### ROYAL NATIONAL HOTEL

A large, busy hotel offering a good standard of accommodation in a central location. The hotel offers a good range of facilities and represents value for money.



### YHA THAMESIDE

Purpose-built hostel offering safe, secure and clean accommodation plus great meals.



### PREMIER INN

All hotels belonging to the Premier Inn chain offer comfortable accommodation and are located close to a tube station offering easy access to London.



### WEMBLEY INTERNATIONAL HOTEL

A modern hotel located just 5 minutes' walk from Wembley Stadium and Wembley Arena and 5 -10 minutes' walk to Wembley Park tube station.

### London Day Trips

Our London day trips are a great option for groups on a budget, providing great value for money with a wide range of curriculum linked visits for computer science groups with limited time out of the classroom.

## Ready to start planning your next learning experience?

Get in touch with our team of school travel experts on **0845 293 7974** and we'll create a bespoke tour to suit your exact needs.  
For further details about tours to London, visit [nstgroup.co.uk](http://nstgroup.co.uk)



# Berlin

Germany is the biggest exporter of technology in Europe, and a tour to Berlin will inspire and educate your pupils about the history and application of computing and computer science. We have a range of visits in this dynamic city which will showcase computing and computer science at its exciting best, and provide experiences that will stay with your pupils for life.

## At a glance

### Getting there

We offer a range of options to get you to and around your destination – and back home again – with ease, including executive coach travel via ferry or Eurotunnel, and flights.

### Flight time

From London – 1 hr 50 mins.

### When to go

Berlin is a year-round destination, however Summer can be very hot, and it may snow during Winter.

### Getting around

The best way to get around is by foot and on the S Bahn and U Bahn. Purchase small group tickets to save on cost.

prices start from  
**£275 pp**

BOOK BY  
END OF MAY  
& SAVE  
**£10 pp**

includes  
NST City  
Representative

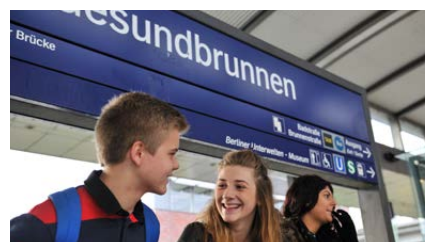
**Price includes:** 3 nights' B&B accommodation, return flights from a London airport (other departure airports are available) and overseas airport transfers, services of NST Berlin Representative, extensive group travel insurance, and 1 in 10 free place ratio. Price shown based on 40 paying passengers travelling in November 2019.

## Key topics & study themes

- Algorithms
- Programming
- Computer systems
- Software development

## Programme benefits

- Computers: past, present & future
- See the practical application of computer science
- Consider potential careers in computer science
- Interactive visits to excite your pupils





# Trip highlights

PRICING KEY FOR VISITS   **FREE** Free   £ Under £5pp   £ £ Under £10pp   £ £ £ £10pp+



## TV TOWER

Berlin's highest structure has fantastic views of the city from the gallery and revolving cafe. Your group can pinpoint the many landmarks and attend the free exhibition.



## BMW MOTORCYCLE PLANT

Take a 2-hour guided tour through the birth place of BMW motorcycles. Experience the fascination of a highly modern vehicle production, where man and machine build two-wheeled dreams! Experts are happy to answer your questions.



## OTTOBOCK SCIENCE CENTER

Ideally located between Potsdamer Platz and the Brandenburg Gate, the OttoBock Science Center houses a range of fascinating exhibitions, allowing for hands-on-minds on experiences showcasing technology in action.



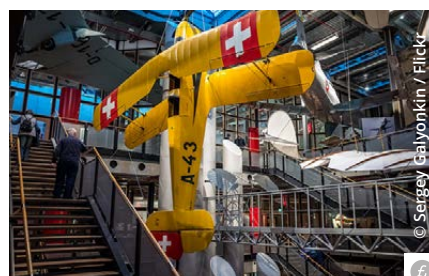
## COMPUTER SPIELE MUSEUM

The first ever museum for computer games in the world was opened in Berlin in 1997. The exhibition "Computer Games. The evolution of a medium" comprises some 300 objects illustrating their cultural history. A small, but finely stocked museum shop complements the museum with more than 170 different objects all relating to games culture.



## GAME SCIENCE CENTER

The Game Science Center is a small, interactive museum, run by a team of game developers. Pupils can learn about and try out futuristic ways to interact with computers. Groups will have a great time controlling games with their eyes, through movement and more.



## GERMAN MUSEUM OF TECHNOLOGY

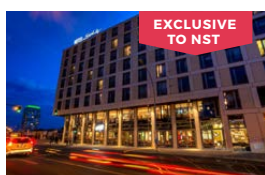
One of the largest museums in Europe, the German Technology Museum is an interactive venue for learning and hands-on experiencing, with exhibitions on practically all branches of technology and transport, including traffic, communications, production and energy technology, sea navigation, space and aeronautics.

# Where you will be staying



## MEININGER HOTEL BERLIN ALEXANDERPLATZ

In an ideal central location offering a unique blend of high quality accommodation, full meal options and large selection of conference rooms.



## SCHULZ HOTEL BERLIN

A large hotel with 350 rooms centrally located. Built with school groups in mind, modern and comfortable with excellent facilities.

## Suggested itinerary

- Day 1** Morning departure from school.  
Local orientation.
- Day 2** Game Science Center.  
Computer Spiele Museum.
- Day 3** German Museum of Technology.  
BMW Motorcycle Plant.
- Day 4** TV Tower.  
Depart for return journey to school.

For prices for this itinerary, please call us.

## Ready to start planning your next learning experience?

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For further details about tours to Berlin, visit [nstgroup.co.uk](http://nstgroup.co.uk)



Harwich & Dovercourt High School

# New York

This leading global city plays host to a number of influential organisations. Take an even bigger bite of the Big Apple with NST, and see how technology has influenced the growth of the city. We'll book educational visits that enhance your pupil's learning, group friendly accommodation, leisure activities and even your meals – all at our great school group prices.

## At a glance

**Getting there** We offer flights to New York from a variety of departure airports.

**Flight time** From London – 8 hrs.

**When to go** New York is a year-round destination. Each season offers visitors plenty of reasons to visit.

**GMT** -5 hrs GMT

**Getting around** Many visits are in walking distance, but for those a little further afield, we can arrange great value subway passes for your group.

**Eating out** NST can pre-book meals at a range of restaurants, making it easier for you.

### Good to know

- New York is best explored by foot or via the subway. We can help you with subway ticket options.
- Easter can be very busy – book early to secure your preferred visits.
- Don't forget to budget for tipping. We can offer advice on how much to take.

## Key topics & study themes

- Algorithms
- Programming
- Computer systems
- Software development

## Programme benefits

- See the practical application of computer science
- Consider potential careers in computer science
- Interactive visits to excite your pupils

BOOK BY  
END OF MAY  
& SAVE  
£20 pp

prices start  
from  
£699 pp

**Price includes:** 3 nights' room only accommodation, return flights from a London airport (other departure airports are available) and overseas airport transfers, extensive group travel insurance, and 1 in 10 free place ratio. Price shown based on 40 paying passengers travelling in November 2019.



# Trip highlights

PRICING KEY FOR VISITS **FREE** Free £ Under £5pp £ £ Under £10pp £ £ £ £10pp+



## NEW YORK HALL OF SCIENCE

In addition to over 450 permanent exhibits, NYSCI features a dynamic schedule of feature exhibitions, events, programs and workshops.



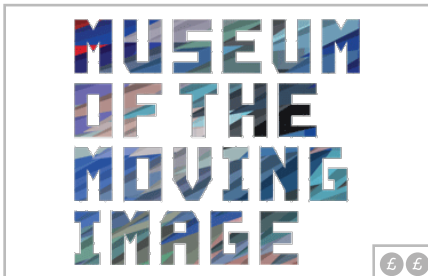
## MICROSOFT STORE WORKSHOP

Learn how technology can make your life easier. Whether you're in school, business or just looking to get a better grasp on the latest trends — we have specialists dedicated to providing assistance where you need it.



## NINTENDO WORLD

Learn about the technology behind Nintendo and explore each of the interactive gaming areas at the Nintendo World store where hands-on gaming demonstrations are provided as well as the latest Nintendo items.



## MUSEUM OF THE MOVING IMAGE

The nation's only museum devoted to the art, history and technology of movies, television, and digital entertainment, where groups can learn the creative process of making moving images. Tour the galleries and enjoy numerous interactive experiences - combine your tour with a group film screening, and even add on a workshop too.



## SAMSUNG 837

Combining art, fashion, technology, and sport in unprecedented ways, this new kind of place is filled with ideas, experiences, and Samsung's cutting edge devices. Try out virtual reality, take part in interactive art installations, and see a larger-than-life, three-story screen. Home to live music performances, exclusive screenings, and radio recordings.



## INTREPID AIR AND SEA MUSEUM

This military and maritime history museum, with a collection of museum ships, features interactive exhibits, authentically restored aircraft, USS Growler Submarine, the British Airways Concorde and the NEW Space Shuttle - using multimedia exhibits learn about the history of the Space Shuttle program and track its incredible journey to the Intrepid.

# Where you will be staying



## HOLIDAY INN EXPRESS MIDTOWN WEST

A medium sized hotel, centrally located in the Midtown West area of Manhattan. Modern and spacious, featuring boutique furnishings and contemporary amenities.



## VANDERBILT YMCA

Youth hostel offering simple standard of accommodation but excellent value with the benefit of a central location, single beds and recreational facilities.



## COURTYARD MIDTOWN EAST

A very large hotel with 312 rooms centrally located in the East Midtown area of Manhattan. The hotel is modern and of an excellent standard. The rooms are spacious and bright with great views of the city.

## Suggested itinerary

- Day 1** Daytime flight and transfer to accommodation.  
Evening meal and trip to the Empire State Building.
- Day 2** Nintendo World.  
Intrepid Air and Sea Museum.
- Day 3** Microsoft Store Workshop.  
Samsung 837.
- Day 4** New York Hall of Science.  
Museum of Moving Image.  
Depart for return journey home.
- Day 5** Arrive in UK.

**For prices for this itinerary, please call us.**

## Ready to start planning your next learning experience?

Get in touch with our team of school travel experts on **0845 293 7974** and we'll create a bespoke tour to suit your exact needs.

For further details about tours to New York, visit [nstgroup.co.uk](http://nstgroup.co.uk)



© Coolcaesar / Wikipedia

# Silicon Valley

What better way to inspire the next generation of computer scientists than with a trip to Silicon Valley. Home to some of the biggest brands in the world: Apple, Facebook and Google, Silicon Valley in San Francisco is the ideal destination for a computer science trip.

## At a glance

### Getting there

We offer flights to San Francisco from a variety of departure airports.

### Flight time

From London - 11 hrs.

### When to go

San Francisco is a year-round destination, however May to October offers the best weather for visiting.

**GMT** 8 hrs GMT

### Eating out

NST can pre-book meals at a range of restaurants, making it easier for you.

### What to pack

Comfortable footwear, clothing layers, digital camera, day bag with zip, sunscreen in the Summer months, USA plug adaptor.

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## Key topics & study themes

- Algorithms
- Programming
- Computer systems
- Software development

## Programme benefits

- See the practical application of computer science
- Consider potential careers in computer science
- Interactive visits to excite your pupils

prices start from **£1220 pp** including visits

**BOOK BY END OF MAY & SAVE £20 pp**

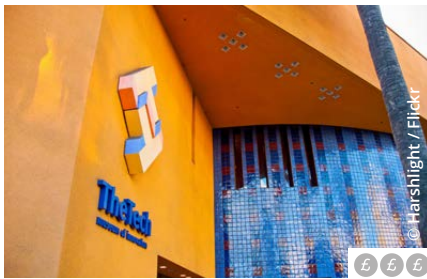
**Price includes:** 6 day/4 nights' room only accommodation, return flights from a London airport (other departure airports are available) and overseas airport transfers, visits shown in suggested itinerary, extensive group travel insurance, and 1 in 10 free place ratio. Price shown based on 40 paying passengers travelling in February 2020.



Coolcaesar / Wikipedia

# Trip highlights

PRICING KEY FOR VISITS **FREE** Free £ Under £5pp £ £ Under £10pp £ £ £ £10pp+



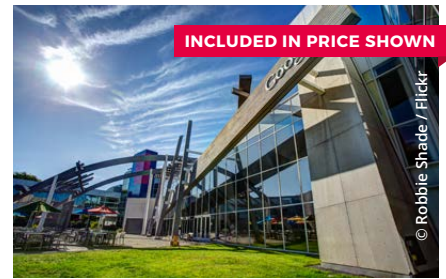
## THE TECH - MUSEUM OF INNOVATION

This interactive science and technology center has become a landmark for visitors seeking a glimpse of the most inventive place on Earth - Silicon Valley. Their mission is to inspire the innovator in everyone.



## COMPUTER HISTORY MUSEUM

Find out why computer history is 2000 years old and learn about computer history's game-changers in the multimedia exhibitions. Discover the roots of today's Internet and mobile devices.



## SILICON VALLEY TOUR

Visit the campuses of the best known pioneers of technology, including the Googleplex campus, Ebay, Twitter and the Apple Company Store. It is not possible to visit inside the company HQs, however there are opportunities to take memorable photos outside the offices and visit the on-site shops.



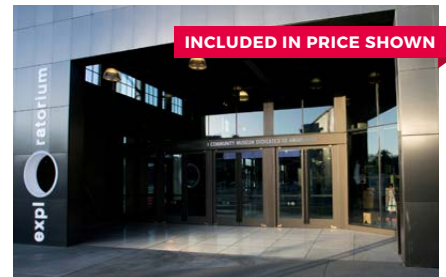
## INTEL MUSEUM

Go behind the scenes in the high-tech world of California's famed Silicon Valley. See what it's like inside an ultra-clean, highly automated silicon chip factory, and connect with technologies that give us new ways to work, learn, play, and communicate.



## NASA AMES VISITOR CENTER

NASA's Ames Research Center is a key facility for many of NASA's missions and projects. Current exhibits include Science on a Sphere, Ames Spacecraft Missions, REAL Moon Rock, Shuttle Cockpit Simulator, and Living and Working in Space.



## EXPLORATORIUM

The Exploratorium isn't just a museum; it's an ongoing exploration of science, art and human perception - a vast collection of online experiences that feed your curiosity.

# Where you will be staying



## HOTEL ZEPHYR

A very large hotel with 355 rooms located in the Fisherman's Wharf district of San Francisco. This well-maintained hotel offers modern and bright rooms.



## COMFORT INN BY THE BAY

A medium sized hotel with 138 rooms, centrally located offering comfortable rooms with all modern facilities.

## Suggested itinerary

- Day 1** Daytime flight and transfer to accommodation.
- Day 2** Visit the Exploratorium museum. Free time in San Francisco – explore Pier 39 and Fisherman's Wharf.
- Day 3** Silicon Valley Tour.
- Day 4** Visit the Computer History Museum and the NASA Ames Visitor Center.
- Day 5** Free time in San Francisco. Depart for return journey.
- Day 6** Arrive in UK.

**Suggested itinerary included in price.**

## Ready to start planning your next learning experience?

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For further details about tours to Silicon Valley, visit [nstgroup.co.uk](http://nstgroup.co.uk)

# INSPIRE THEIR FUTURE CAREER AT LIVE!

Immersive student events for KS4 & KS5 learners

High calibre speakers deliver their first-hand industry experience at the event.

Our LIVE! student events combine a conference with LIVE! speaker presentations and take place in Disneyland® Paris and New York.

## Disneyland® Paris



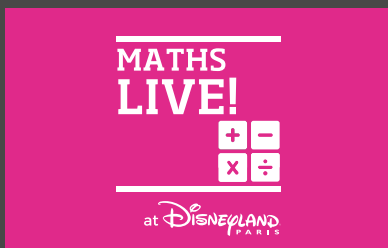
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March 2020



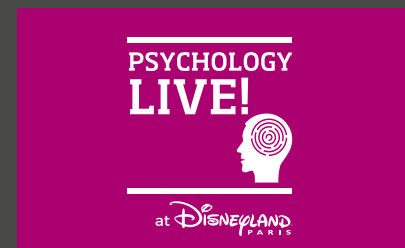
March 2020



March 2020



March 2020



March 2020

## New York



March 2020



February 2020



February 2020

CALL 0845 293 7974 EMAIL [INFO@NSTGROUP.CO.UK](mailto:INFO@NSTGROUP.CO.UK) VISIT [NSTGROUP.CO.UK](http://NSTGROUP.CO.UK)



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