

Education Information Pack

Introduction to the Emirates Aviation Experience

The Emirates Aviation Experience provides a unique interactive experience, celebrating flight and the industry of airline services.

Explore behind the scenes of commercial aviation and the inner workings of an aircraft using life-size models, interactive technology and a real Rolls-Royce Trent 900 jet engine.

The Emirates Aviation Experience offers a wide variety of hands-on education sessions, for students of all ages, based on national curriculum subjects and educational courses.

We also offer students, aged 10 +, the opportunity to pilot an Airbus A380 or a Boeing 777 in our state of the art simulators, the first of their kind made available for public use.

For more information about what we can offer you and your students, please contact the Education Officer on 0203 440 7022 or at education@aviation-experience.com. Please note all education bookings must be made in advance of arrival.



Education Programmes

Early Years Foundation Stage

Programme Name	Type	Curriculum Subjects	Length	Price
Fasten Your Seatbelts: Aircraft and Airports	Workshop	Travel and Transport, Geography, Design, Technology, English	1 Hour	£3 per student

Key Stage 1

Programme Name	Type	Curriculum Subjects	Length	Price
Aviation Experience Guided Tour	Tour	Science, Geography, Transport and Travel, Design, Technology	1 ½ Hours	£5 per student
Fasten Your Seatbelts: Aircraft Airports and Travel	Workshop	Travel and Transport, History, Geography, Design, Technology	1 ½ Hours	£5 per student

Key Stage 2

Programme Name	Type	Curriculum Subjects	Length	Price
Aviation Experience Guided Tour	Tour	Science, Geography, Transport & Travel, Design, Technology	1 ½ Hours 2 Hrs (Yr 6)	£5 per student*
Fasten Your Seatbelts: Aircraft Airports and Travel	Workshop	Travel & Transport, History, Geography, Design, Technology	1 ½ Hours 2 Hrs (Yr 6)	£5 per student*
Up and Away: The Science Behind Flight	Workshop	Science, Engineering, Transport, Design, Technology, English	1 ½ Hours 2 Hrs (Yr 6)	£5 per student*
Let's Go Green: Sustainable Travel and Tourism	Workshop	Travel, Geography, Science, English Sociology, Citizenship	1 ½ Hours 2 Hrs (Yr 6)	£5 per student*

*Simulator price not included

Key Stage 3

Programme Name	Type	Curriculum Subjects	Length	Price
Aviation Experience Guided Tour	Tour	Science, Geography, Transport & Travel, Design, Technology	2 Hrs	£5 per student*
The Act of Forces: The Science Behind Aviation	Workshop	Science, Engineering, Design, Technology, Maths, English	2 Hours	£5 per student*
Let's Go Green: Sustainable Travel and Tourism	Workshop	Travel, Geography, Science, English Sociology, Citizenship	2 Hrs	£5 per student*
Redesign, Recycle, Reduce: Creating Sustainable Aircraft	Workshop	Engineering, Science, Design, Technology, Geography, English	2 Hours	£5 per student*

Key Stage 4

Programme Name	Type	Curriculum Subjects	Length	Price
Aviation Experience Guided Tour	Tour	Science, Geography, Engineering, Business Studies, Technology	2 Hours	£5 per student*
The Act of Forces: The Science Behind Aviation	Workshop	Science, Engineering, Design, Technology, Maths, English	2 Hours	£5 per student*
Let's Go Green: Sustainable Travel and Tourism	Workshop	Geography, Travel, Tourism, Science, Sociology, Citizenship	2 Hours	£5 per student*
Redesign, Recycle, Reduce: Creating Sustainable Aircraft	Workshop	Engineering, Science, Design, Technology, Geography, English	2 Hours	£5 per student*
Emirates Airline: Aviation, Travel and Tourism	Workshop	Travel and Tourism, Geography, Cabin Crew, Sociology	2 Hours	£5 per student*

*Simulator price not included

Post 16

Programme Name	Type	Curriculum Subjects	Length	Price
Aviation Experience Guided Tour	Tour	Science, Geography, Engineering, Business Studies, Technology	2 Hours	£5 per student*
The Act of Forces: The Science Behind Aviation	Workshop	Science, Engineering, Design, Technology, Maths, English	2 Hours	£5 per student*
Let's Go Green: Sustainable Travel and Tourism	Workshop	Geography, Travel, Tourism, Science, Sociology, Citizenship	2 Hours	£5 per student*
Redesign, Recycle, Reduce: Creating Sustainable Aircraft	Workshop	Engineering, Science, Design, Technology, Geography, English	2 Hours	£5 per student*
Emirates Airline: Aviation, Travel and Tourism	Workshop	Travel and Tourism, Geography, Sociology, Cabin Crew	2 Hours	£5 per student*
From The Ground Up: Emirates Customer Service	Workshop	Travel and Tourism, Cabin Crew, Sociology, Citizenship, English	2 Hours	£5 per student*
Emirates Cabin Crew: From Application To Employment	Workshop	Cabin Crew, Travel and Tourism, Sociology, Citizenship, English	2 ½ - 3 Hours	£7.50 per student*

SEN

Programme Name	Type	Curriculum Subjects	Length	Price
Aviation Experience Exploration Tour	Tour	Science, Geography, Travel and Transport, Design, English, Drama	1 Hour	£3 per student

*Simulator price not included

Enhanced Education Programmes

Programme	Type	Key Stage	Length	Price
Aviation Experience Full Day Programme	Full Day Education Programme Includes A Tour, A Workshop and Lunch	KS 3 KS 4 Post 16	5 Hours	£15 per student*
Flight Night Sleepovers	Overnight Programme Includes dinner and breakfast	KS 2 KS 3 KS 4	7:00pm – 8:30am	£45 per student
STEM Full Day Programme	Joint Education Day with the Museum of London: Docklands	KS 3 KS 4	5 Hours	£300 (10 - 30 students) £600 (31 - 60 students)
Let's Go Green Full Day Programme	Joint Education Day with The Crystal [^]	KS 2 KS 3 KS 4	4 Hours (KS2) 5 Hours (KS3 & KS4)	KS2: £240 (10 – 30 students) £480 (31 – 60 students) KS3 & KS4: £300 (10 - 15 students) £540 (16 - 30 students)
Aviation Careers Full Day Programme	Joint Education Day with London City Airport [^]	Post 16	5 Hours	£300 (10 - 15 students) £480 (16 - 30 students)
Science and Engineering Day	Education Event (supported by Rolls-Royce)	KS 2 KS 3 KS 4 Post 16	1 ½ - 4 Hours	£3 per student
Women In Aviation and Engineering Day	Education Event (supported by Rolls-Royce)	KS 2 KS 3 KS 4 Post 16	1 ½ - 4 Hours	£3 per student
Civil Aviation Day	Education Event (supported by Rolls-Royce)	KS 2 KS 3 KS 4 Post 16	1 ½ - 4 Hours	£3 per student

* Simulator price not included

[^] Programme includes return Emirates Air Line Cable Car Tickets

Education Simulator Experiences

Education simulator experiences can be booked to help enhance your education visit to the Emirates Aviation Experience.

Simulator Experience are available to any Year 6 Primary School groups, Secondary School group and Post 16 groups completing any of our education or advanced education programmes.

Education Simulator Prices

Education Simulator Experience

£60 per 30 minute session (for up to 15 students)

Full Day Programme Simulator Experience

£60 per 1 hour session (for up to 20 students)

Adult Prices and Ratios

Prices

Accompanying staff are free of charge within our ratios.

Any additional adults are charged an entry price £3 per adult.

Adult: Student Ratios

EYFS: 1:3

KS4: 1:10

KS1: 1:5

Post 16: 1:12 or 2 accompanying adults

KS2: 1:7

SEN: All accompanying adults are free of charge

KS3: 1:10

Group Sizes

Tours and Workshops

Minimum: 10 students per session

Maximum: 30 students per session

Multiple sessions can be booked on the same day

Education Events

Minimum: 10 students per session

Maximum: 60 students per session

Full Day Programmes

Minimum: 20 students

Maximum: 50 students

Flight Night Sleepovers

Minimum: 20 students

Maximum: 35 students

Joint Education Programmes with The Museum of London: Docklands

Minimum: 10 students per session

Maximum: 60 students per session

Joint Education Programmes with The Crystal

Minimum: 10 students per session

Maximum: 60 students per session

Joint Education Programmes with London City Airport

Minimum: 10 students per session

Maximum: 30 students per session

Access

The Emirates Aviation Experience is a fully accessible sites.

However, if you are a party with wheelchair users, your maximum group number will be determined on a case by case basis. This is due to the space restrictions within the Aviation Experience.

If any of your group requires mobility assistance, please let us know at the time of the booking.

During Your Visit

All of our workshops take place in the A380 cockpit, which will be closed off to the public for the duration of your visit. Science workshops will also include time to study the engine in more detail and to complete work which will complement the learning taking place in the cockpit.

During a Guided Tour, students will be guided around the whole exhibition (except the simulator zones, which have to be booked separately).

Students will have the opportunity to explore the exhibition in more detail after their tour or workshop has finished. Students in selected programmes will also be provided with a worksheet which will enhance their experience of the exhibition.

Exhibition and Exhibits

Emirates Aviation Experience is a two floor exhibition, which is broken down into four zones and a café and shop area.

On The Ground Zone

Students can learn about the crucial work which goes on behind-the-scenes at an airport in order to get aircraft ready for take-off:

- **Video Wall**

An immersive video wall displaying an A380 aircraft in turnaround at Dubai airport. This includes info-graphics, close up images and a timeline to show the speed at which crew members turn around an A380.

- **Turnaround Game**

Race against the clock to complete your own aircraft turnaround using our interactive touch screen game.

- **Surround Cinema**

Experience the incredible journey our baggage takes at airports through our 'Be the Baggage' film and learn about Dubai's cutting-edge baggage handling system.

Inflight Zone

Students are given the opportunity to learn about what happens during flight from the point of view of both the passengers and crew members:

- **Economy Seating**

Sit back in our replica A380 economy seats and find out more about what happens behind-the-scenes on a long-haul flight using our touch-screen seat monitors and a variety of videos.

- **Flights Video Wall**

Our new video wall allows students to see 24 hours of real flight data. Locate key aviation hubs and hot spots and discover what impact the aviation industry really has on the world.

- **Airbus A380 Cockpit**

Explore a pilot's world in our replica Airbus A380 cockpit. Sit inside the life size nose cone and experience the complex set-up of a modern airline cockpit flying thousands of people around the world every day.

Science of Flight Zone

This area of the exhibition enables students to learn about the science of flight, using our interactive exhibits to bring the science of flight to life:

- **Science of Flight Terminal**

Students can learn about how aircraft as big as an A380 are able to fly using our detailed interactive screens. Find out key facts such as the top speeds, maximum weights on aircraft and how different styles of wing effect lift.

- **Rolls Royce Trent 900 Engine**

Students can examine a full size Trent-900 engine, which is used in Airbus A380 aircraft. The screen in front of the engine will enable students to get a closer look at the inner workings of the engine.

Flight Simulators

Test your flying skills and become an Emirates Aviation Experience pilot in one of our Airbus A380 or Boeing 777 flight simulators. These simulators mimic training simulators used by pilots and offer students the opportunity to take off and land from 10 destinations including Heathrow, Dubai, Sydney and Hong Kong. Students will be assisted by trained simulator instructors in order to make the most of their experience.

Education Souvenir Pack

Education packs can now be pre-ordered as a souvenir of your visit. The prices shown represent between 25% and 47% discount on items bought individually from the gift shop.

Packs start from £3.

All education souvenir packs must be ordered and purchased in advance of your visit. You can download a souvenir pack order at www.aviation-experience.com/learn/bookings or email a member of the education team at education@aviation-experience.com.

Lunch and Snack Packages

An optional lunch or snack deal is available for purchase to accompany your education visit. These can either be eaten in our café, or prepared as a packed lunch to take away. Our snack and lunch options are as follows:

Lunch Package - A buffet lunch, priced at £4.50 per person.

Snack Package - Any hot or cold drink and cake, priced at £3.50 per person.

Lunches must be ordered and purchased in advance of your visit. Please call 0203 440 7022 or email education@aviation-experience.com to place your snack or lunch orders.

Prices correct as of September 2017.

Teachers Network

Join our FREE teacher's network and receive:

- The opportunity to book new sessions before they become generally available.
- An invite for you and a guest to attend our free annual teacher's event.
- The opportunity to get involved and help develop education programmes, sessions and activities.

Sign up today by emailing the Education Department at education@aviation-experience.com or fill in our online application form at www.aviation-experience.com and click on Learn.

How to Find Us



Emirates Aviation Experience, Edmund Halley Way, North Greenwich, London, SE10 0FR

(You will find us on the Greenwich Peninsula, just behind the Emirates Air Line Cable Cars, South Terminal)

Travel By



UNDERGROUND	CAR / COACH	BUS	BOAT	CABLE CAR
North Greenwich Station (Jubilee Line)	The O2 car park (Next to the Emirates Air Line South Terminal)	108, 129, 132, 161, 188, 422, 472, 486 (North Greenwich Station Bus Stops)	North Greenwich Pier (Thames Clipper)	South Terminal (Emirates Air Line Cable Cars)

Free Travel

All schools within the Greater London area, with travelling student parties between the ages of 5 to 18, can travel on public transport for FREE using the Transport for London's School Party Scheme.

To book your tickets, please visit schoolparty@tfl.gov.uk or call 0343 222 1000.

Contact Us

For more information or to book an education visit, please contact our Education Officer:

Tel: 0203 440 7022

Email: education@aviation-experience.com