

EDUCATING • EXPLORING • EXCELLING



Berlin

Location Guide - Science

EXCEPTIONAL TOURS EXPERTLY DELIVERED



Our location guide offers you information on the range of visits available in Berlin. All visits are selected with your subject and the curriculum in mind, along with the most popular choices for sightseeing, culture and leisure in the area.

The information in your location guide has been provided by our partners in Berlin who have expert ground knowledge of the area, combined with advice from education professionals so that the visits and information recommended are the most relevant to meet your learning objectives

Making Life Easier for You

This location guide is not a catalogue of opening times. Our Tour Experts will design your itinerary with opening times and location in mind so that you can really maximise your time on tour.

Our location guides are designed to give you the extra information that you need, including the highlights of each visit, suitability and educational resources available to you. We will give you top tips like timings to avoid, great accompaniments and local knowledge; so you can truly get the most out of your visit.

Peace of Mind

We will state in your initial quote letter which visits are included within your tour price. If there is anything that cannot be pre-paid, we will advise you of the entrance fees so that you know how much money to take along.

You have the added reassurance of knowing that NGT is a member of the School Travel Forum. This means that all the visits we offer comply with the requirements of our externally verified Safety Management System.

A NGT Science Studies tour to Berlin will support the study of elements of the following exam board specifications:

EDEXCEL

GCSE Combined Science

- **Biology:** 2 Cells and control, 3 Genetics, 5 Health disease and the development of medicines, 7 Animal coordination
- **Chemistry:** 2 States of matter and mixtures, 7 Rates of reaction and energy changes, 8 Fuels and Earth science
- **Physics:** 2 Motion and forces, 5 Light and the electromagnetic spectrum, 8 Energy - Forces doing work, 9 Forces and their effects, 15 Forces and matter

AQA

GCSE Combined Science: Trilogy

- **Biology:** 4.1 Cell biology, 4.3 Infection and response, 4.6 Inheritance, variation and evolution
- **Chemistry:** 5.2 Bonding, structure and the properties of matter, 5.8 Chemical analysis
- **Physics:** 6.1 Energy, 6.2 Electricity, 6.5 Forces, 6.7 Magnetism and electromagnetism

OCR

GCSE Gateway Science Combined Science A

- **Biology:** B1 Cell level systems, B3 Organism level systems, B5 Genes, inheritance and selection
- **Chemistry:** C1 Particles, C2 Elements, compounds and mixtures, C3 Chemical reactions
- **Physics:** P1 Matter, P2 Forces, P3 Electricity and magnetism, P5 Energy

GCSE Twenty First Century Science Combined Science B

- **Biology:** B1 You and your genes, B2 Keeping healthy, B5 The human body - staying alive, B6 Life on Earth - past, present and future
- **Chemistry:** C2 Chemical patterns, C4 Material choices
- **Physics:** P2 Sustainable energy, P3 Electric circuits, P4 Explaining motion, P6 Matter, models and explanations

WJEC

GCSE Science (Double Award)

- **Biology:** 1.1 Cells and movement across membranes, 4.1 Classification and biodiversity, 4.6 Disease, defence and treatment
- **Chemistry:** 2.1 The nature of substances and chemical reactions, 5.1 Bonding structure and properties, 5.4 Chemical reactions and energy
- **Physics:** 3.3 Making use of energy, 5.4 Chemical reactions and energy

Top tip: More precise specification links are provided throughout this location guide, specific to each visit. Keep a look out for these tags!



BODY WORLDS MUSEUM

The world's first BODY WORLDS museum showcases unique plastinates that provide visitors with easily understandable, detailed knowledge about individual organ functions and common diseases.

It offers insights into the highly complex structures of the body's interior and illustrates what connects us, keeps us upright and moving, and what allows us to laugh and love.



Curriculum links:

Edexcel GCSE - Biology 5 Health disease and the development of medicines AQA GCSE - Biology 4.3 Infection and response

OCR GCSE A - B1 Cell level systems/GCSE B - B5 The human body - staying alive

WJEC GCSE - 4.6 Disease, defence and treatment

COMPUTER GAMES MUSEUM

A great interactive study visit. The permanent exhibition "Computerspiele. Evolution eines Mediums" ("Computer Games. Evolution of a Medium") presents over 300 exhibits, including rare originals, playable classics and art works from the game-art sector. Interactive performances turn you into "Homo Ludens Digitalis", so that you can create your own image of the game players of the 21st century. Experience a historical journey with highlights for every generation. The special exhibition is focused on subjects associated with the history of games and refers to the latest developments in games culture. At night, the windows are transformed into playing surfaces for various interactive exhibits.



SCIENCE SPECTRUM

The Science Center Spectrum, part of the Deutsches Technikmuseum Berlin in Kreuzberg, is one of Europe's largest hands-on science centers, featuring over 150 interactive exhibits designed to make science and technology accessible, particularly for families and children. The center emphasizes "touch and feel" exploration across eight themed areas over four floors, including light and vision, electricity, and mechanics.

Curriculum links:

Edexcel GCSE - Biology 5 Health disease and the development of medicines

AQA GCSE - Biology 4.3 Infection and response

OCR GCSE A - B1 Cell level systems/**GCSE B** - B5 The human body - staying alive

WJEC GCSE - 4.6 Disease, defence and treatment



LIFE SCIENCE LEARNING LAB

The Life Science Learning Lab can provide our groups with four-hour, hands-on lab courses including genetics, radioactivity, cell biology and chemistry for students. The educational concept is designed to ensure that all experiments are closely related to the school curriculum and that the students perform experiments independently in small groups. The courses are led by scientists from the campus research institutions. Study Themes: Cells and Control.



GERMAN TECHNICAL MUSEUM

Huge range of permanent exhibition across a wide range of topic from math and computer science to power engineering and telecommunications. Daily demonstrations, visitor activities and guided tours make this an interactive learning experience. Groups can choose to take an audio tour or take a one-hour themed guided tour from topics including 'Industrialisation', 'People and technology', 'Technology and war' and 'Technology and Art.



FUTURIUM

This exhibition poses the question 'How do we want to live?' and the fundamental conviction of Futurium is that all possible futures are the result of our decisions and our actions. The 60- minute tour 'Discover and Shape the Future' is aimed at students with a simple, playful introduction to dealing with the topics of the exhibition: How will and will we live in the future?

Curriculum links:

Edexcel GCSE - Physics 5 Light and the electromagnetic spectrum

AQA GCSE - Physics 6.7 Magnetism and electromagnetism

OCR GCSE A - Physics P3 Electricity and magnetism

BERLIN ENERGY MUSEUM

Founded in 2001 on the site of a former power station operated by Bewag, this interactive museum has exhibits to touch and try out. See the individual components of station technology and understand their functions, enter the halls battery storage system, understand the process by means of turbines, pumps and valves, simulate an error and take necessary steps to protect the network.

Curriculum links:

Edexcel GCSE - Biology 3 Genetics AQA GCSE - Biology 4.1 Cell biology

OCR GCSE A - Biology B5 Genes, inheritance and selection / GCSE B - Biology B1 You and your genes



Berlin offers a great choice of museums and attractions, many of which are an ideal accompaniment to learning and can be free for students.



GUIDED TOUR

Many of Berlin's major sites can be covered on foot, so a walking tour is an ideal way to get to know the city, especially for students seeing it for the first time. Tours can be adjusted to include any particular sights you wish to include.



EASTSIDE GALLERY

At 1316 metres long, the East Side Gallery is the longest continuous section of the Berlin Wall still in existence. Immediately after the fall of the Berlin Wall, artists from 21 countries began painting murals - many of which commented on the political changes in 1989/90. Officially opened in September 1990 it was given protected memorial status just over a year later.



THE TV TOWER

The city's most iconic landmarks, offering breathtaking panoramic views from its impressive observation deck. Standing high above the skyline, the tower combines modern architecture with a fascinating history, making it a must-visit attraction for both tourists and locals alike. Visitors can enjoy spectacular daytime scenery or experience the city illuminated at night, while learning about the tower's significance and engineering achievements



MUSEUM-HAUS AM CHECKPOINT CHARLIE

The museum tells the stories of daring escape attempts from East Berlin to the West through original artefacts, photographs, and interactive exhibits. Visitors can explore personal accounts of courage and resilience while learning about the impact of the Berlin Wall on everyday life. Rich in history and emotion, the museum provides a memorable and thought-provoking experience for anyone interested in Berlin's past.

RESTAURANTS

Make your evening meal a night out with a restaurant visit. We can book tables at an exciting range of restaurants offering dinner packages to suit all budgets.

Choose from:

- Al Dente Ristorante
- Der Alte Fritz
- Hard Rock Cafe
- Vapiano
- Pirates Berlin
- Amrit
- Brauhaus-Mitte
- Hofbräu Wirtshaus
- Bbq Kitchen

Top tip: These restaurants usually offer a 2 or 3 course menu based on a set meal, please let us know of any dietary requirements in advance.

We can also arrange packed lunches with your chosen accommodation.





IKONO

This immersive space in the heart of Alexanderplatz provides 14 rooms of creativity, blending art and play to allow for an unforgettable experience. You will dive into eclectic, unseen worlds where art comes alive, technology merges with your creativity, and each step reveals a new surprise.

GAMESTATE

Indoor entertainment arcade located at Potsdamer Platz. It features over 70-100+ stations, including retro arcade games, Mario Kart, air hockey, virtual reality, and basketball, designed for all ages, with prizes awarded based on game performance.



THE UPSIDE DOWN

Social media museum near Potsdamer Platz featuring 40+ themed rooms, optical illusions, and upside-down sets designed for photo opportunities. It combines entertainment with Berlin themed colourful art.

BOWLING CENTRE

A popular centrally located bowling alley in Berlin, Germany, situated at Rathausstraße 5, 10178. It features multiple lanes, including options with bumpers.



3D SCHWARZLICHT MINIGOLF + LAZER TAG

Students navigate minigolf courses painted with neon, UV-active graffiti that glows under black light. Players wear 3D glasses to make the 2D wall art appear as vivid, spatial 3D images.

Lazer tag fast-paced team game involving vests and lasers in a specialized arena.

