



Tour:

GERMANY & SWITZERLAND

Itinerary:

9-days / 8-nights

Availability:

Year-round

GERMANY & SWITZERLAND

Math, Physics, Robotics & Technology

Day	Morning	Afternoon	Evening
1 Sat	Travel overnight to Frankfurt, Germany		
2 Sun	Arrive Frankfurt, clear Customs, meet transportation and transfer to Hotel	Frankfurt Old Town Walking Tour	Welcome, Safety & Orientation Local Dinner
3 Mon	Mathematikum Giessen with Senior Math Course	The Money Museum - Geldmuseum der Deutschen Bundesbank	Local Dinner & Souvenir Shopping
4 Tues	Technical University Darmstadt - DLR Lab Program	Experimenta Science Center	Local Dinner & Laser Tag
5 Wed	Day Trip to Heidelberg Castle	Dialogue Darkness Tour	Frankfurt Dinner Cruise
6 Thur	Travel to Geneva, Switzerland with a shopping stop in Colmar, France; transfer to hotel & check-in	Geneva Walking Tour	Local Dinner
7 Fri	University of Geneva STEAM FabLab at Campus Biotech	United Nations Tour	Local Dinner & Escape Adventure
8 Sat	CERN Science Gateway Exhibitions with Private Tour & Master Class Workshop	International Museum of the Red Cross & Red Crescent	Farewell Dinner
9 Sun	Transfer to Geneva Airport and fly home		



As with all sample itineraries, please be advised that this is an 'example' of a schedule and that the activities and hotels shown may be variable dependent upon dates, weather, special requests and other factors. Itineraries will be confirmed prior to travel.



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Day 1

Overnight flight; meals in flight

Depart on your journey across the pond! Most groups will depart in the evening hours for an overnight flight, but it will depend upon your origination and your flight routing. Dependent upon your air carrier, meals may be available for purchase or may be included. Best practice is for students to plan to purchase meals until your flights are confirmed and all inclusions are stated.



Day 2

Dinner

Germany... Germany is synonymous with a lot of things — mainly beer, sausages, castles and techno parties - yet there's so much more to modern Germany! There's a vibrant international art, and music scene, beautiful forests, great cathedrals, picturesque cities and overlooked historic sites. While Germans may be thought of as serious and focused people, they are also some of the nicest and most helpful people. It's an ancient region with more to do than one can imagine. Take your time. There's a lot to explore and it's all worth seeing!

Frankfurt is a central city on the river Main, a major financial hub that's home to the European Central Bank. It's the birthplace of famed writer Johann Wolfgang von Goethe, whose former home is now the Goethe House Museum. Like much of the city, it was damaged during World War II and later rebuilt. The reconstructed Altstadt (Old Town) is the site of Römerberg, a beautiful square that hosts an annual Christmas market.

Did you know?

- ✓ The city's name means "ford of the Franks" and refers to an ancient ford on the Main River where travelers could cross without a boat.
- ✓ Frankfurt was founded in the first century CE, and evidence suggests Roman settlements may have existed there before that.
- ✓ Frankfurt is a center for Germany's logistics and mobility industries, and has one of Europe's largest airports, Germany's busiest train station, and a well-developed motorway network. Frankfurt was heavily bombed by Allied aircraft during World War II because of its importance as a transportation and industry hub.
- ✓ Franks, or also widely known as hotdogs, were named after Frankfurt Germany - the birthplace of hotdogs!
- ✓ Frankfurt is a Center of Arts and home to the European Jazz Festival. Frankfurt spends more than any other European city on arts.



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- ✓ Being in the center of transport, having the most important financial district, housing all that art, and all those skyscrapers comes at a price, and that comes in the form of being one of the most expensive places in the world, but that's okay though, as everything else makes up for this fact.
- ✓ Ebbelwoi, the local name for apple cider wine is a must try for every adult foreigner who happens to find themselves in Frankfurt. The taste is exquisite!
- ✓ Frankfurt is the leading financial hub in Germany and one of the most important in all of Europe.



If flying from the Americas, groups participating in this trip will generally have an overnight flight and arrive in the morning. Lunch will be on your own today to accommodate various flight arrival times. After clearing customs, transferring to our hotel and checking-in (if available), we'll hit the ground running with our Welcome, Safety & Orientation Meeting, then transfer into town for a walking tour to discover Frankfurt's Old Town and a local dinner. Enjoy!

Welcome, Safety & Orientation Meeting – This is our group meeting to set your team up for success. Your Ambassador will go over everything from safety to weather, your itinerary, plus a fire drill. Have questions, want to celebrate a birthday or want to add something to your itinerary? Your Ambassador is appointed to serve your group throughout your stay on the trip.

Frankfurt "Old Town" Walking Tour – Explore Frankfurt with a specialized guide to understand the history and culture of Frankfurt: Welcome to the bustling city of Frankfurt-am-Main. Most of Frankfurt's original buildings were destroyed in World War II - your guide will show you the elegant 15th-century Gothic-style Frankfurter Dom, one of the few structures to survive the 1944 bombing.



This evening, we'll enjoy local gastronomy at one of Frankfurt's many excellent restaurants.

Day 3

Breakfast, boxed lunch & dinner

Rise and shine Frankfurt! After breakfast at our hotel, we're off to take a closer look at German Math & Money.



Mathematikum Giessen with Senior Math Course - The Mathematikum in Giessen is the world's first mathematical science center where more than 170 exhibits open a new door to mathematics. In the Senior Math Course, developed specifically for high school students, students are offered a detailed introduction to the exhibition, then have the chance to explore them independently. Afterwards, they work on individual exhibits in small groups. The exhibits, which represent a cross-section of



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mathematics, are then presented by the students during a facility tour. Your team will be guided by a staff member to ensure students get the most out of this mathematical visit.

The Money Museum - How is cash produced? What is book money? How does monetary policy work and what exactly does a central bank do? What role does money play in a globalized world? These and many more money-related questions are answered with the help of eye-catching and incisive exhibits, appealing installations and more than 60 multimedia stations loaded with games and interactive information. The topics are approached from both a current and a historical perspective. In addition, there is a 360° cinema and the chance for visitors to touch a genuine bar of gold.



This evening we'll enjoy a local dinner and some time for Frankfurt souvenir shopping.

Day 4

Breakfast, boxed lunch & dinner

Hello Germany! Today is going to be incredible as we work with the team at the Technical University of Darmstadt. Later we'll check out the local science center and then wrap up some fun playing Laser Tag!



Technical University Darmstadt: DLR School Lab - TU Darmstadt invites pupils on a fascinating "journey into the future". Experiments in weightlessness, a virtual spacewalk and earth observation by satellite - this and much more awaits the pupils, who slip into the role of scientists here and thus become acquainted with current university projects. In addition to new materials, flow channels for aviation research and robotic Mars rovers, one of the major highlights of this student laboratory is that a control room has been recreated here in cooperation with ESA. The students control satellites and probes at the consoles and solve tricky tasks in teams - almost like the experts in the neighboring European Satellite Control Center ESOC. Click [HERE](#) for information on current research topics. Note these are subject to change and a selection will be chosen prior to your arrival based on current studies and school needs.



Experimenta Science Center – Immerse yourself in the fascinating world of STEM and experience exciting phenomena and amazing effects! Welcome to the interactive hands-on exhibition where your students will be fascinated by the plasma lamp, the shadow theatre, the giant kaleidoscope and more. More than 120 exhibits on four floors are waiting to be tried out. From fire tornadoes to high-voltage lightning, students and staff will all have fun exploring experiments throughout the facility.



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After getting our fill of experiments, we'll wrap up the day with a **Laser Tag** challenge!

Day 5

Breakfast, boxed lunch & dinner

Rise & shine Frankfurt! Today is a day to check out one of Germany's famous Castles! We'll travel to Heidelberg for an awesome day! When we get back, we're in for a very special experience – darkness, before embarking on a dinner cruise.

Heidelberg Castle - Heidelberg Castle is probably the world's most famous ruins. This castle ruin of red sandstone from the Neckar valley sits high above the valley floor, on the steep northern slope of the Königstuhl hill, surrounded by green forest. Its silhouette dominates views of Heidelberg's historic district. Each year, Heidelberg Castle attracts around a million visitors from all over the world. Since the early 19th century, these impressive ruins have been synonymous with Romanticism.



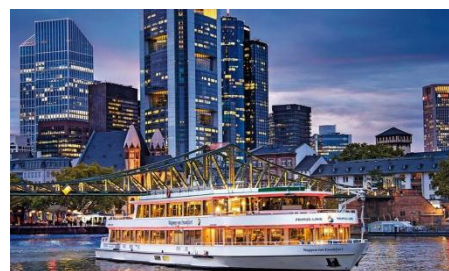
With kind support of Staatliche Schlösser und Gärten Baden-Württemberg

In the 13th century, the counts of the Palatinate along the Rhine river, and later the electoral-princes above Heidelberg, erected their first Heidelberg residence. Over the centuries, the fortified medieval castle became a representative castle. Today, Heidelberg Castle, with its Renaissance castles, is one of the most significant cultural monuments in Germany.



Dialogue Darkness Tour - The Dialogue Museum is both a social enterprise and a museum with a heart to discover the invisible. Here, small groups of visitors are guided by blind or visually impaired experts through a lightless course with changing themed rooms. The result is an incomparable role reversal, training the senses and empathy and making inclusion a direct experience. The exhibition concept was first developed in Frankfurt am Main 30 years ago. Today, it is considered an outstanding example of social entrepreneurship which provides employment for disadvantaged people and focuses on their strengths rather than their weaknesses.

Frankfurt Dinner Cruise on the River Main - Enjoy a 3-hour dinner cruise while you ship along the Main River with a great view on Frankfurt's skyline enjoying an exquisite 4-course meal. As you cruise away from the northern side of the river, you'll soak up sights of the city's striking skyline and savor a dinner that features seasonal ingredients. Eat, cruise, and kick back in comfort then return to the city at the end of the night.



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Day 6

Breakfast, boxed lunch & dinner

Good morning Germany! After breakfast we'll be checking out of our hotel, load our luggage and set off for Switzerland. Along the way, we'll stop off for a shopping stop in beautiful Colmar, France. On arrival in Switzerland we'll transfer to our hotel and check-in - if our rooms are available - and then afterwards, we'll enjoy a guided walking tour and then a local dinner.

Colmar, France - Colmar is a town in the Haut-Rhin department and Grand Est region of northeastern France, near the border with Germany. Its old town has cobblestone streets lined with half-timbered medieval and early Renaissance buildings. The Gothic 13th-century, Eglise Saint-Martin church stands on central Place de la Cathédrale. The city is on the Alsace Wine Route, and local vineyards specialize in Riesling and Gewürztraminer wines.



Geneva Walking Tour - Geneva is a Switzerland city that lies at the southern tip of expansive Lac Léman (Lake Geneva). Surrounded by the Alps and Jura mountains, the city has views of dramatic Mont Blanc. Headquarters of Europe's United Nations and the Red Cross, it's a global hub for diplomacy and banking. French influence is widespread, from the language to gastronomy and bohemian districts like Carouge. Geneva is Switzerland's most cosmopolitan city. The city on Lake Geneva is also the cradle of watchmaking, home to many chocolatiers, and of course – CERN. Geneva has many sights, including the Jet d'Eau fountain, the flower clock L'horloge fleurie, the old town with the St. Pierre Cathedral and the Place du Bourg-de-Four.



Day 7

Breakfast, boxed lunch & dinner

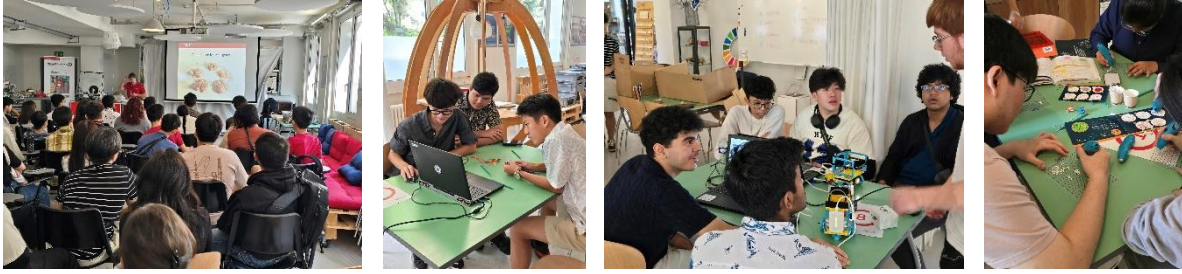
Rise & shine Geneva! Get ready for a brilliant day at the University of Geneva! Afterwards, we'll get to check out the United Nations with a special tour followed by an evening activity trying to escape!

University of Geneva STEAM FabLab at Campus Biotech - The Addictlab Academy offers a unique educational experience that pushes cross-curricular learning. Project-based learning and cross-disciplinary thinking is a transformational and even disruptive approach to education that places the learner at the center of an interdisciplinary experience. By *Learning by lab* and offering a mixed set of workshops, each individual can go through a journey of discovery, inspiration and talent acceleration where they embrace success and failure, collective intelligence, and above all, have fun. **Our schools have rated this a top activity, one not to be missed!**



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United Nations Tour - Take a tour of the Palais des Nations and learn about the United Nations and the UN's work in Geneva. Our tour guides will inform you about the organization and its activities to maintain world peace, foster international relations and development. You will discover the Palais des Nations, a unique building, formerly the headquarters of the League of Nations, situated in the beautiful Ariana park in Geneva, Switzerland. The United Nations Office at Geneva, under the leadership of a Director-General, is one of four main UN Secretariat offices, together with the headquarters in New York and offices in Nairobi and Vienna. More than 1,600 persons from all over the world are currently employed by the United Nations Office at Geneva.



This evening we'll have dinner locally and then time for fun at an **Escape Adventure!**

Day 8

Breakfast, boxed lunch & dinner

Good morning Switzerland! After breakfast at our hotel, we'll travel to the world-renown CERN. Get ready for a fantastic day learning about particle physics. Afterwards, we'll discover the world of the Red Cross and then have our farewell European dinner.



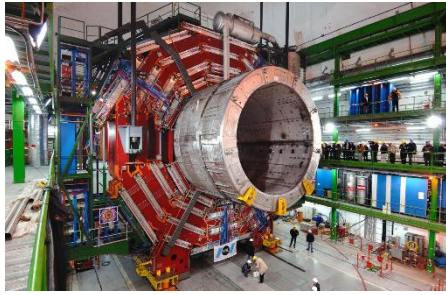
CERN Science Gateway Exhibitions with Private Tour & Workshop - Explore the Universe at CERN. With hands-on experiments, real scientific objects, immersive environments and interactivity, the exhibitions at Science Gateway will bring CERN to life. Try your hand at accelerating particles, explore how CERN's giant experiments reveal the mysteries of matter, take a trip through 13.8 billion years of the Universe to experience the voyage your particles took on their way to becoming you, and visit Quantum World to discover the weird and wonderful way the Universe works at the smallest of scales.

CERN is the European laboratory for particle physics and one of the world's leading scientific research laboratories. CERN's business is pure research - physicists and engineers use the world's largest and most complex scientific instruments to study Nature's tiniest building blocks, the fundamental particles, to find out how our world and the Universe work. CERN's mission is to perform world-class research in fundamental physics and provide a unique range of particle accelerator facilities that enable that research to take place in an environmentally responsible and sustainable way. CERN also pushes the frontiers of science and technology for the benefit of society, trains new generations of physicists, engineers and technicians, and engages all citizens in research and in the values of science.



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Accelerate: Explore CERN's particle accelerators. Scientists from all over the world join forces at CERN to answer profound questions about the Universe. An immersive scenography will transport you to the underground tunnels where the smallest building blocks of matter accelerate and collide. Discover machines of a remarkable scale and complexity, play the control room game, pilot a robot, dig a tunnel, and explore the extraordinary technologies inside the Large Hadron Collider. Don't forget a game of proton football!

Collide: find out how CERN studies particles. Beams of particles travel at almost the speed of light around the Large Hadron Collider, with billions colliding every second. Discover how the giant experiments record these particle collisions and how a global network of computers processes the data. Hear scientists' stories about their work and find out how their technology can be used in hospitals, use our headsets to take a virtual tour, collaborate with other visitors to lower a piece of experiment underground and design your own experiment to detect particles.

Back to the Big Bang: the journey your particles took on their way to becoming you. Take a journey back 13.8 billion years, to the very beginning of time. Discover how the Universe evolved to become what we see around us today and try out the experiments to find out how scientists do their investigations. Are you ready to get transported through the different stages of the Universe? Design your own star and eject it out into space, play with the proton weighing scales and try your hand at trapping antimatter.

We live in a Quantum World! Quantum physics explains why the sun shines. It allows us to make smartphones and to understand how plants grow. Yet, strange and wonderful quantum effects only occur at the tiny scales of particles... don't they? In this interactive exhibition discover the world of particles as if you yourself were so tiny.

Current Lab Workshops include the following options. Once your booking is completed, we'll verify the classes available during your time of travel. If you are bringing students in a different age range, courses are offered for middle school students and up.

[Cloud Chamber \(16-19 years\)](#)

[Electron beams \(16-19 years\)](#)

[Superconductivity \(17-19 years\)](#)

[Positron-Emission-Tomography \(17-19 years\)](#)



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International Museum of the Red Cross & Red Crescent – This renowned museum provides a moving reminder of the importance of international humanitarian efforts to promote understanding of the history, current affairs and challenges of humanitarian actions. The International Red Cross and Red Crescent Museum asks a central question: how does humanitarian action concern us all, here and now? Through its exhibitions and events, it questions the issues, values and current situation of humanitarian action with the public from very different backgrounds and cultures. By offering an immersive and participatory experience, the International Red Cross and Red Crescent Museum asserts itself as a place of memory, creation and debate.

Day 9

Breakfast (dependent upon departure time)

Today it is time to say ‘Au Revoir (goodbye) to beautiful Switzerland as we pack up and head for home, taking memories away that will last forever.

Au Revoir



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Minimum Booking Numbers: 20 students

What's Included:

- Roundtrip international flights
- 7-nights' accommodation: 4-nights Frankfurt + 3-nights Geneva
- Breakfasts and dinners daily starting with dinner on arrival and ending with breakfast on departure (dependent upon departure time)
- Airport transfers & coach transportation to all included activities
- Frankfurt "Old Town" Walking Tour
- Mathematikum Giessen & Senior Math Course
- The Money Museum visit
- Technical University Darmstadt with DLR School Lab
- Experimenta Science Center
- Laser Tag activity
- Heidelberg Castle visit
- Dialogue Darkness Tour
- Frankfurt Dinner Cruise
- Colmar, France shopping stop
- Geneva Walking Tour
- University of Geneva STEAM FabLab
- United Nations Tour
- Escape Adventure activity
- CERN Science Gateway Exhibitions with Private Tour & Master Class
- International Museum of the Red Cross & Red Crescent
- Personal Tour Director
- 24-hour emergency cover

What's Not Included:

- Fully comprehensive insurance (**mandatory**)
- Transfers to/from home airport
- Baggage costs, pay directly to airline if required
- Baggage handling - each student should be able to pull their own suitcase
- Transportation for activities not shown in the itinerary
- Lunches or snacks other than what is shown above at mealtimes
- BEVERAGES –table water is provided at restaurants; each participant will be able to purchase independent beverages at meal times
- Cost of passports nor required visas
- Cost of inoculations or medication required for travel
- Sightseeing / Entertainment options not shown
- Hotel incidental deposits & bills – mini-bar, convenience mart, etc.
- Any gratuities – drivers, hotel services, tour ambassador
- Credit card fees if individuals wish to pay via credit card instead of ACH (online check)

As always, our staff are always available to you to answer any questions you may have regarding programming. If we may serve you in any way, please do not hesitate to contact us.



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