FUTURES ABROAD

BUILDING SUCCESSFUL CAREERS

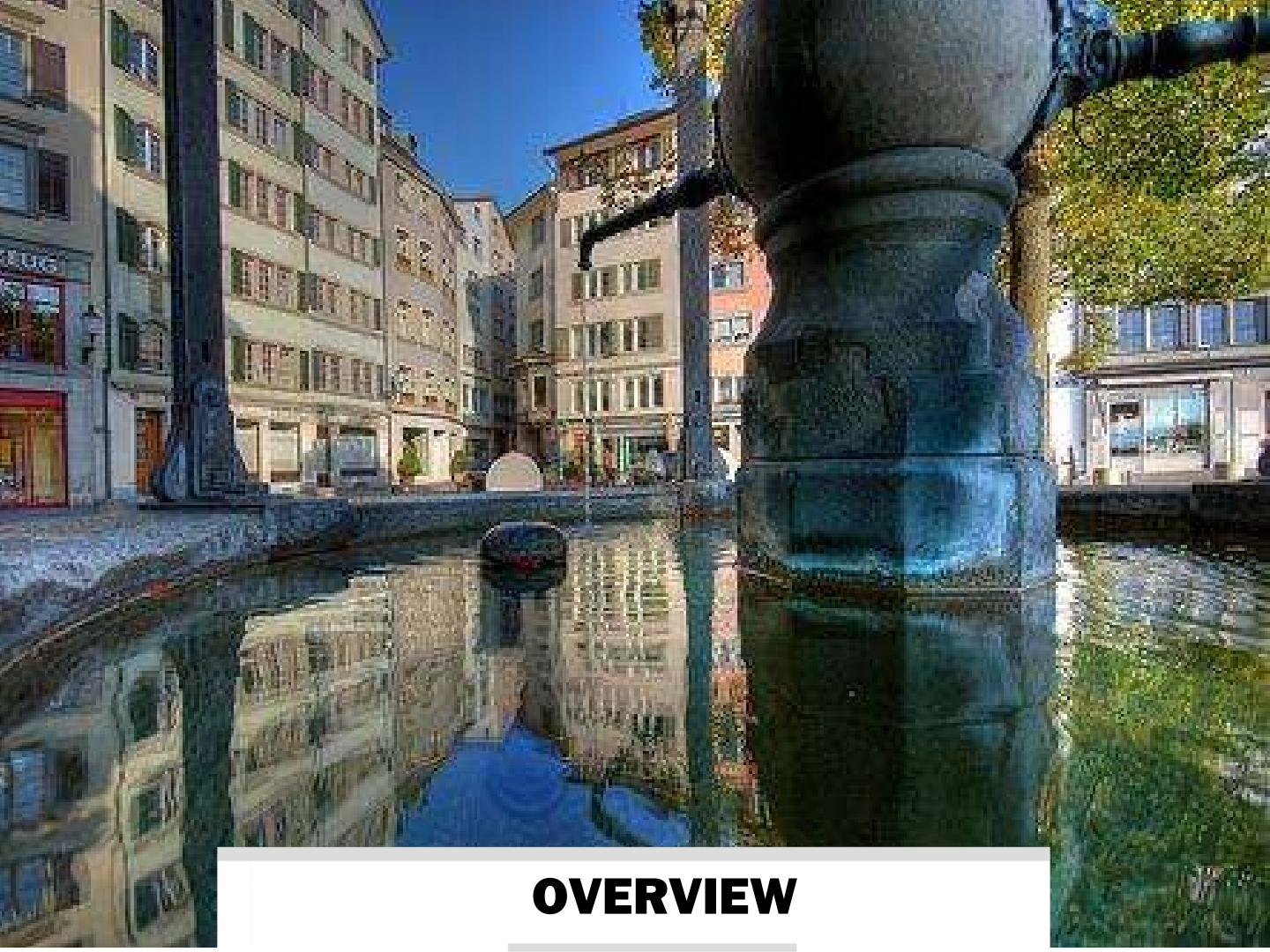


Summer STEM Experience

Germany & Switzerland

14 Days

July 5th–19th, 2026



OVERVIEW

This 2-week Summer STEM Experience offers an immersive exposure in Germany and Switzerland, two of Europe's most innovative hubs for science, engineering and technology. Students will gain hands-on experience in robotics, artificial intelligence, renewable energy, automotive engineering, and aerospace technology through lab-based workshops, field trips to top companies, and visit to world-class Universities.

Program Highlights:

- Hands-on **engineering workshops** at top universities. **Industry visits** to leading STEM companies and research
- centers.
- **Excursions to high-tech labs** in Germany and Switzerland
- . Exposure to **AI, robotics, and aerospace technologies**. ultural and adventure **excursions in Germany and CSwitzerland**.

This institute is a certified institute by the

EAHEA (European Agency for Higher Education & Accreditation), WYSE Travel Confederation and CPD Certification Service, UK.



Day 1: Arrival

- Arrival at **Munich airport** and transfer to student accommodation.
- Dinner and orientation.
- Overnight in Munich.



Day 2: Aerospace & Drone Engineering

- AM: Visit to the**TechnicalUniversityofMunich (TUM) –** Drone & AI-powered robotics workshop.
- PM: Tour of **Airbus Defense & Space,** learning about satellite and aircraft design.
- Overnight in Munich.



Day 3: Automotive Engineering

- AM: Fieldtrip at **BMW Welt & Museum** – Exploring automotive innovations.
- PM: Visit to **Mercedes-Benz & Porsche Museums** for an inside look at German engineering excellence.
- Overnight in Munich.



Day 4: Rickshaw Tour in Munich

- **AM:** Free morning to explore Munich.
- **PM: Rickshaw Tour** in Munich with an outdoor traditional Bavarian meal.
- Overnight in Munich.



Day 5: Transfer to Zurich

- AM: Departure to Zurich with lunch on the road.
- Overnight in Zurich.



Day 6+7: The Dancing Robot

- Two Full Days Workshop: **Building a DanceBot from scratch**
- Students to design their own dance robot as per their imagination. They solder the electronic components onto a circuit board and wire a loudspeaker, LED lights and electric motors. Using tailor-made software, students program a choreography to their favorite song. The software generates a special MP3 file holding the commands for the motors, the LEDs and the music. When everything is soldered, built and programmed correctly, the unique robots dance, turn and rhythmically flash their LED lights.



Day 8: Technorama

- Full Day: Visit **Swiss Science Center Technorama** for hands-on physics experiments. With over 500 interactive stations, labs, shows, and workshops designed to captivate secondary and high school STEM students of all interests.

- Overnight in Zurich.



Day 9: Transportation Engineering & Innovation

- AM: Visit to **Swiss Federal Railways (SBB)** – Understanding high-speed rail technology.
- PM: Visit to **Swiss Science Park & Startup Hub**.
- Overnight in Zurich.



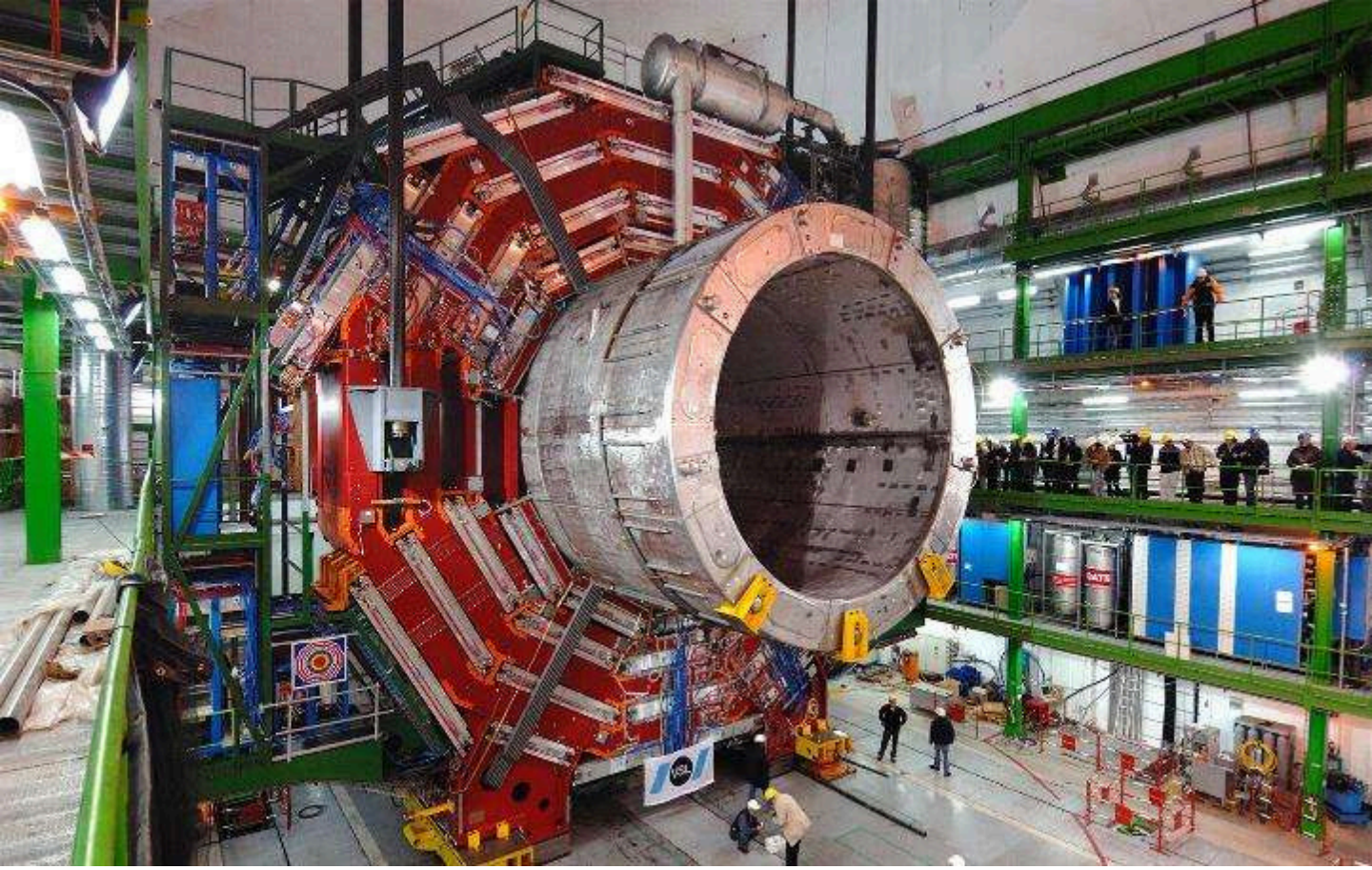
Day 10: Pilatus Railway

- AM: Tour of **Pilatus Railway**, the world's steepest cogwheel railway.
- PM: **Picnicking and hiking** in the mountain.
- Overnight in Zurich.



Day 11: Departure to Geneva

- AM: Transfer to Geneva including lunch on the road.
- PM: Visit to a **Chocolate Factory**.



Day 12: CERN & Particle Physics

- AM: Visit **CERN (European Organization for Nuclear Research)** for a guided tour of the **Large Hadron Collider**. Hands-on workshop on particle collision simulations & quantum physics.
- PM: Free afternoon to explore Geneva.
- Overnight in Geneva.



Day 13: AI & Data Science in Engineering

- AM: Workshop on**ArtificialIntelligenceinrobotics & automation**.
- PM: Visit to **EPFL (Swiss Federal Institute of Technology in Lausanne)**.
- Overnight in Geneva.



Day 14: Watch Making Factory & Reflection

- AM: Tour of **Watch Factory**.
- PM: **Reflection and awarding of certificates.**
- Evening: Farewell dinner.



Day 15: Departure

- Departure from Geneva airport.









Days 1-4: Munich Region

Munich, Germany,isan exciting andenriching destination forasummer program for teens, offering a unique blend of innovation, history, and vibrant culture. As a leading hub for engineering, automotive technology, and science, Munich provides hands-on learning opportunities at top institutions like the Technical University of Munich (TUM) and BMW Research & Innovation Center. Munich offers thrilling field trips, including visits to BMW Welt and Airbus Defense & Space. Students can also experience Germany’s rich history, explore its beautiful parks, castles, and Olympic Stadium, and enjoy the city's safe, welcoming, and student-friendly environment. With its strong STEM focus, cultural richness, and outdoor adventures in the Bavarian Alps, Munich is the perfect destination for school students to learn, innovate, and explore in a world-class setting.









Days 5-10: Zurich Region

Zurich, Switzerland, is an ideal destination for a summer program for school students, offering a safe, vibrant, and intellectually stimulating environment. As Switzerland's largest city and a global innovation hub, Zurich combines cutting-edge technology, world-class universities, and breathtaking natural beauty, making it perfect for young learners.

Students can explore STEM and engineering through visits to institutions like ETH Zurich (one of the world's top technical universities), engage in hands-on workshops at research centers, and tour global companies like ABB, Google, and Siemens. Beyond academics, Zurich offers exciting cultural and outdoor activities, including lake cruises, visits to the Swiss Alps, and interactive science museums.









Days 11-14: Geneva Region

Geneva, Switzerland, is a world-classdestinationforasummerprogram forstudents, offering a unique mix of science, technology, international culture, and natural beauty. As the home of CERN (the European Organization for Nuclear Research), Geneva provides unparalleled opportunities for young minds to explore cutting-edge physics, engineering, and innovation through guided tours and hands-on science experiences. The city's safe, multicultural environment, nestled along Lake Geneva and surrounded by the Alps, allows for exciting outdoor activities like lake cruises, mountain excursions, and cultural visits to museums and historic landmarks. With its blend of scientific excellence, global influence, and breathtaking landscapes, Geneva offers an intellectually stimulating and adventure-filled summer experience for teens eager to learn, discover, and explore.

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