

S'Cool LAB

Get your students hands-on and minds-on with particle physics!

S'Cool LAB is a particle physics learning laboratory at CERN. It is a place where CERN scientists and physics education researchers meet high-school students and their teachers from around the world. While students enjoy unforgettable hands-on experiences in S'Cool LAB, empirical data for physics education research are collected.

S'Cool LAB offers a range of experimental workshops depending on availability, students' age and their prior knowledge. Demand for S'Cool LAB programmes is very high, therefore only selected groups have the chance to take part.

Interested?
Find out more at cern.ch/s-cool-lab



Illustration designed by Freepik

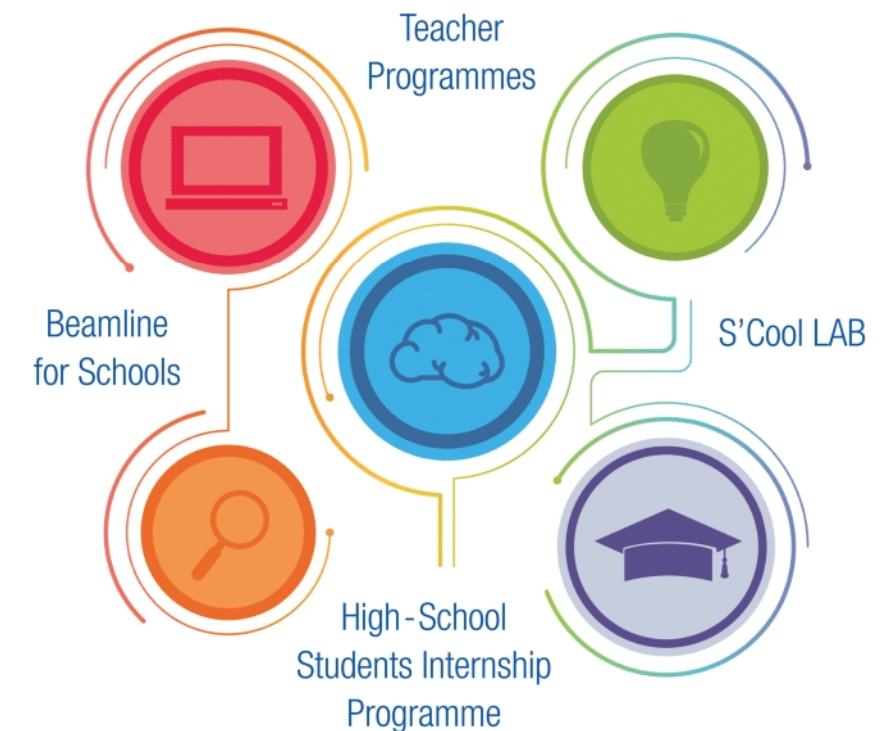


CERN
Contact: Teachers-Students@cern.ch

* For an exhaustive list of related offers, check out CERN's webpage at home.cern



Did you know that CERN offers more than just tours of its premises? Check out our educational programmes and get inspired to join one!





Teacher Programmes

Are you a teacher interested in strengthening your content knowledge in particle physics?

Every year, CERN offers various professional development programmes for teachers to keep up-to-date with the latest developments in particle physics and related areas, and to experience a dynamic, international research environment. All programmes are facilitated by experts in the field of high energy physics, engineering, and computing and include an extensive lecture and visit programme.

Furthermore, CERN's teacher programmes enable you to meet with teaching colleagues from your country or from all around the world. We offer teacher programmes in English and in many other languages, lasting between 3 days and 2 weeks.

Take part!
teachers.cern

High-School Students Internship Programme

Are you a young and motivated high-school student? Did you ever want to know how fundamental research works? Did you ever get a chance to see inside an international organization?

High-school students like you from CERN's Member States are invited to spend two weeks at CERN gaining practical experience in science, technology, and engineering. This programme gives you the chance to discover STEM in the CERN context, strengthening your understanding of science, and developing your skills in a high-tech environment.

This is a unique opportunity for you to be introduced to CERN, its technologies and physics, as well as to learn through workshops and by shadowing, observing, and working with a member of personnel.

Tempted?
Find out more at cern.ch/hssip



Beamline for Schools

Are you a student who dreams of working as a real scientist? This is your chance to propose an experiment!

This competition offers high-school students from around the world the chance to create and perform a scientific experiment at an accelerator beamline. What better way to learn about physics? The Beamline for Schools competition is open to teams of at least five students and at least one adult coach.

The winning teams will be invited to a research laboratory, with up to nine students and two adult coaches per team. They will carry out their experiments at a beamline together with support scientists. Other attractive prizes are also available for short-listed teams. Every participant receives a certificate.

Previous winners have investigated the structure of the pyramids, looked for particles that no-one has seen before, or have developed their own particle detector. What would you do?

Interested?
Join the adventure here: cern.ch/bl4s

