

Sixth form Physics trip to CERN

16/12/2016

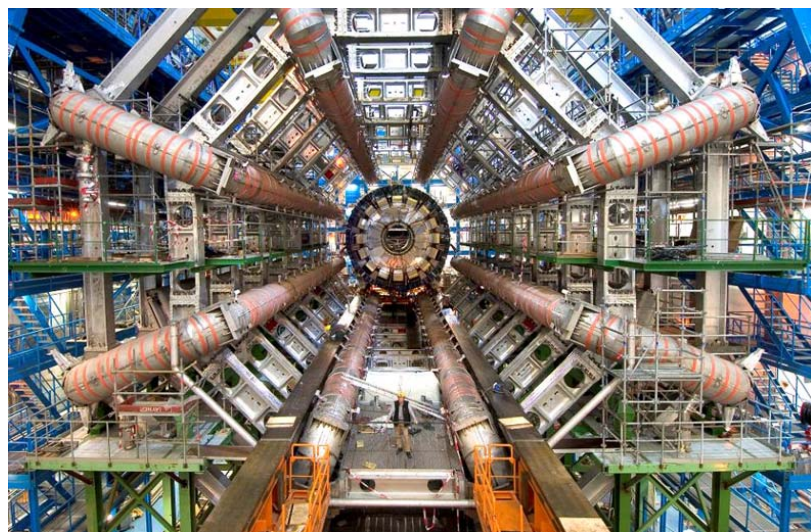
Dear Parent/Guardian

I am writing to advise you of an exciting opportunity for upper sixth form Physicists to visit CERN in Geneva. We have run this trip in the past and it has been of great interest, particularly following the 'Stars' and 'Particle Physics' units studied as part of the A level course this year.

The research currently being undertaken at CERN will indeed revolutionise our way of thinking, and has already changed the world – the Internet was created at CERN!

CERN in a nutshell

CERN, the European Organization for Nuclear Research, is one of the world's largest and most respected centres for scientific research. Its business is fundamental physics, finding out what the Universe is made of and how it works. At CERN, the world's largest and most complex scientific instruments are used to study the basic constituents of matter – the fundamental particles. By studying what happens when these particles collide, physicists learn about the laws of Nature.



The instruments used at CERN are particle accelerators and detectors. Accelerators boost beams of particles to high energies before they are made to collide with each other or with stationary targets. Detectors observe and record the results of these collisions.

Draft Itinerary

Dates: **Thursday 6th April –Saturday 8th April 2017.**

Fly from Leeds Bradford early morning on Thursday 6th April, returning Saturday 8th April in the afternoon.

Thursday: tour of Geneva in the afternoon, including the Science Museum and Lake Geneva.

Friday: The whole day spent at CERN, with a guided tour of one of the major experiments not normally open to the public and a chance to explore the public exhibitions at CERN.

Saturday: Free time in the morning for further sightseeing, afternoon flight home.

Cost & Deposit

As you can appreciate it is difficult to cost a trip of this nature until flights have been secured and numbers of students are confirmed. We estimate the cost of the trip to be £350. This includes all flights, public transport in Geneva, travel insurance, accommodation and breakfast. Students will require money for lunch and dinner on Thursday and Friday, as well as lunch on Saturday.

Students will miss school on Thursday 6th April and Friday 7th April.

At this stage I ask you to return the slip below confirming your son/daughters intentions including a £100 deposit payable via parent pay (link via the school website) in order for me to secure the trip. This is fully refundable if the trip does not go ahead. I will be in contact with you in the new year to finalise details of the trip, once we have confirmed numbers.

The remaining balance will be required by the end of January.

Students must have valid passports with at least 3 months until the expiry date on the date we return from the trip (8th April 2017).

Deadline for returns and deposit: **Friday 13th January 2017.**

If you have any questions please do not hesitate to contact me via email at griggsr@ripongrammar.co.uk.

Yours sincerely

Mr Griggs

Head of Physics
Ripon Grammar School



I agree for to attend the Physics trip to CERN, April 6th – 8th 2017 and acknowledge that he/she will be absent for 2 days of school.

I include a £100 deposit (via parentpay) which is fully refundable if the trip does not go ahead. Once the trip is confirmed, this will go towards the cost of the trip and at this point it is no longer refundable.

Name..... Signature..... Date.....