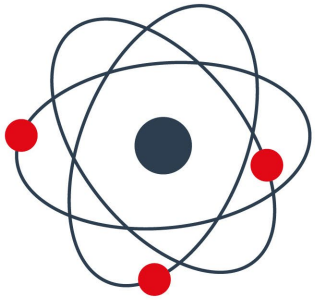
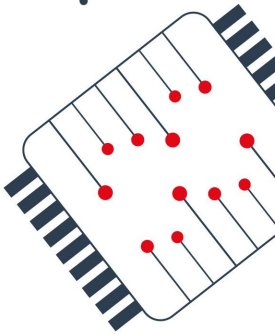
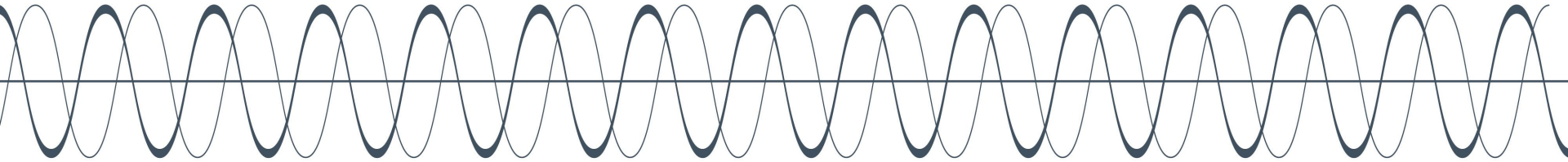


WHAT LIGHTS UP YOUR LOVE OF PHYSICS?

From curiosity to cosmos

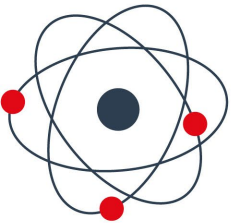
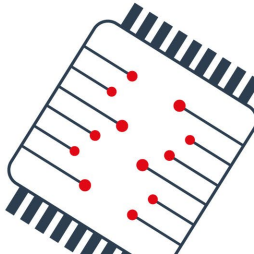


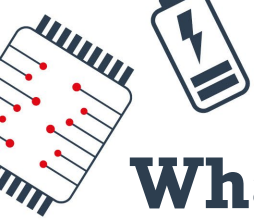




Student Guide

Everything you need to get started



What is the Competition?

- We want to hear what lights up your love of physics. Make a team of up to three members, and agree on a topic that you are interested in.
- Create a video that is approximately 3 minutes long.
- The judges will be scoring you on content, creativity and clarity.
- We've got a few ideas for you on the next slide, but you can also see the top ten videos from our last competition here! Physics is everywhere, driving innovation and technological advancements, so showcase your creativity and tell us 'What lights up your love of physics?' Here are a few ideas…



Exploring Net Zero with Physics

How physics plays a vital role in renewable energy, energy efficiency, and the reduction of carbon emissions, contributing to the global mission of reaching Net Zero.

Harmony in Formulas

How can a mathematical equation in physics be beautiful, and could that be a guide to truth? Or is it mathematical concepts, that are beautiful, and some just happen to apply to physics?

Saving Lives through Medical Imaging

Journey through the cutting-edge realm of medical imaging showing how physics is revolutionising healthcare and saving lives.

What is the Future of Space Exploration?

Explore how Physics will rocket humanity to Mars and beyond, and what we might learn to benefit us all on Earth.

Blurring Realities

If the quality of virtual reality becomes almost indistinguishable from that of ordinary reality, using a fairly light and unobtrusive headset, how will that change our lives?

How to create your video?

- The video can be filmed on any device, and don't worry too much about the odd wobble, it's the content that matters!
- Think about fun ways to show what you're talking about, e.g. using animation, talking heads, timelapse, stop motion, interviews, demonstrations etc.
- Talk about your theme with your teacher, and your friends and family, and test your idea/s on them!
- Make sure you film in landscape and with good lighting.
- Remember that the video should be around 3 minutes long, and not over 3 minutes and 30 seconds.
- Don't include your full names in the video. If your team is shortlisted the video will be shared online.
- Only team members can film and edit your video.

Competition Guidelines

The Prizes
Entry requirements
Dates to remember
Further information

Prizes for the ten shortlisted teams

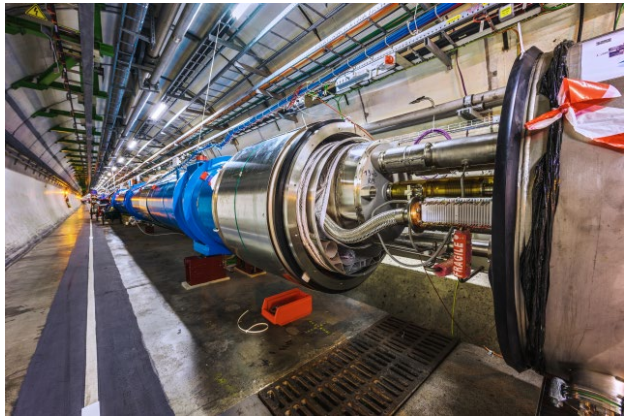
If your team is judged to be in the top ten entries:

- You'll be invited for an overnight stay at the Prize Event, hosted at the prestigious King's College, University of Cambridge. You'll present your video to the judging panel and participate in a Q&A. There will also be a programme of enrichment activities.
- Your team will win £600 in Amazon vouchers to share! And if you have entered solo, you will win £400 worth of Amazon vouchers.*
- Your school/college will win receive physics equipment worth £500!

** You need to attend the King's College event to be eligible to collect these prizes.*

Grand Prize Winner

In addition to the finalist prizes, the overall winning team from the Prize Event will also receive funding for the school to organise a once-in-a-lifetime trip to CERN, where you will get up close to the Large Hadron Collider.





You can learn more about this amazing place here: https://home.cern/

Entry Requirements

- Teams should be made up of no more than 3 Year 12 pupils, all studying STEM subjects, with at least one studying A-Level Physics.
- Only one team per school/college can be entered into the competition.
- Your school/college will ask you and your parent/guardian to complete a consent form.
- Your teacher will upload your video and submit the completed application and consent forms to enter your team into the competition.
- If your team is shortlisted for the Prize Event and is made up of less than 3 members, you'll be invited to make up the numbers for moral support, and they can also participate in the Q&A. If you win the Grand Prize, they can also accompany you to CERN.

Dates to remember

- **Submission Deadline:** Your teacher must submit your team's entry before 11.59pm on 24 February 2026.
- **Finalists Announcement:** If your team makes it to the top ten shortlist, the good news will hit your teacher's inbox with an email notification before 3 March 2026.
- **Finalist Event:** The top 10 teams will be invited to the Prize Event on 1 and 2 April 2026, hosted at King's College. Your teacher must confirm your team's attendance before 9 March 2026.
- **Grand Prize:** The CERN trip is a two-night trip to take place over the summer. Dates will be agreed in advance, but the trip must take place before 31 August 2026.

Further Information

- The Eurekas competition (for age 11-16) and FameLab Academy (for Year 9s) have some great examples of possible topics.
- The Teacher Guide contains information to help your teacher with your competition entry. .
- FAQs – check the Frequently Asked Questions if you have a question. .
- Terms and Conditions - make sure you read the small print before applying.
- Still have queries? We are here to help! Please email: competition@physicspartners.co.uk.

Physics Partners