Our national laboratories are based at three main sites in the UK. They house large-scale world leading science facilities, offering a range of unique opportunities for school visits and events covering a variety of topics to enhance and enrich science learning.

At our sites, you can meet and interact with world class scientists and engineers to inspire people of all ages. Teachers and students are supported in their science education through visits, masterclasses and public talks, as well as work experience, apprenticeships and Continuing Professional Development for educators.

For more information contact the programme managers below:

**Daresbury Laboratory**
- Phill Day
  - T. 01925 603231
  - E. Phill.Day@stfc.ac.uk

**Rutherford Appleton Laboratory**
- Sophy Palmer
  - T. 01235 445950
  - E. Sophy.Palmer@stfc.ac.uk

**UK-Astronomy Technology Centre**
- Olivia Johnson
  - T. 0131 668 8263
  - E. Olivia.Johnson@stfc.ac.uk

**STFC Particle and Nuclear Physics Outreach and Schools Liaison Manager**
- Elizabeth Cunningham
  - T. 07833 705792
  - E. Elizabeth.cunningham@stfc.ac.uk

For General enquiries contact:
**The Public Engagement Team**
- STFC
  - Polaris House
  - North Star Avenue
  - Swindon SN2 1SZ
  - T. 01793 442098
  - E. STFCPublicEngagementTeam@stfc.ac.uk

**STFC sites**

**Daresbury Laboratory**

**UK-Astronomy Technology Centre**

**Rutherford Appleton Laboratory**

**SUPPORT FOR TEACHERS**

A guide to free resources, visits, support and contacts relevant to school and college age groups and linked to national curricula and post-16 specifications.

www.stfc.ac.uk/teachers
We are a world-leading multi-disciplinary science organisation supporting a wide range of research in Universities and Laboratories with public sector, private sector and international partners. Our research seeks to understand the Universe from the largest astronomical scales to the tiniest constituents of matter, yet creates impact on a very tangible, human scale and aims to inspire the next generation of scientists. We develop new technologies, provide skilled people and operate big research facilities that are able to reveal the secrets of the universe or break atoms apart with powerful lasers. We support research in Space Science, Particle and Nuclear Physics, Biology, Chemistry, Materials Science, Big Data and computing.

Our Public Engagement programme includes support for teachers and schools all over the UK as outlined in this brochure and our national laboratories have dedicated schools programmes involving tours, talks, activities, teacher Continued Professional Development and lots more.

**Free resources on the web**
There are lots of free resources including information related to STFC science and technology and all of its diverse fields from Big Telescopes, to lasers, supercomputers to the Large Hadron Collider that can be found on our website: www.stfc.ac.uk/explore. These can be downloaded or ordered directly and are aimed to enrich your teaching and inspire students of all ages. We also provide practical advice on visiting the European Particle Physics Laboratory at CERN near Geneva.

**Leaflets, posters, wall charts and booklets**
Teaching resources can be ordered or downloaded direct from our website. This includes:

- **Leaflets**: Full colour, double sided leaflets that open out to A2 sized posters, with introductions to STFC science and technology such as space missions, the Large Hadron Collider, Cosmic Rays, Crystallography, Big Telescopes, Lasers and The Sun.
- **Posters**: One-sided A1 posters of STFC-supported missions and experiments.
- **Booklets**: Cartoon booklets for a fast introduction to a topic or information booklets for those wanting more detail.

**Borrow the Moon, See the Stars!**
Schools, museums and clubs can borrow samples of Moon rock brought back to Earth by the NASA Apollo astronauts. The pack also includes meteorite samples and educational support materials suitable for all ages which can be tailored to the needs and abilities of any group. Our Dark Sky Discovery initiative helps schools and community groups in both cities and rural areas to run simple, practical stargazing activities. www.darkskydiscovery.org.uk

**Continuing Professional Development (CPD) for educators**
We operate a new suite of CPD opportunities on our engagement themes: dark sky discovery, big data and computing, our material world, big telescopes and inside the atom.

**Funding**

- **The STFC Small Awards Scheme**
The scheme provides funding from £500 to £10,000 for projects where a school works in partnership with a research organisation and other schools or the community to develop the awareness of, and enrich teaching through, STFC’s facilities, astronomy, nuclear and particle physics or space science. This is a competitive scheme with two closing dates per year.
- **The STFC/IoP/IET Schools’ Grants Scheme**
Up to £600 is available for projects and events to enrich the teaching and learning of physics, astronomy and engineering. www.iop.org

**Teaming up**
Visit our website for a list of useful links to other organisations such as the National Space Academy, European Space Agency, Nuffield Research Placements and the Institute of Physics.

**Experts on call**
The STFC schools liaison manager is available to help individual teachers or groups of teachers by providing:

- information on STFC science and technology
- advice on visiting our national laboratories
- links for schools with their local university research groups
- teaching resources
- scientists and engineers to talk at your school
- specific support for the teaching of particle and nuclear physics.

**Particle and Nuclear Physics Masterclasses**
STFC supports and runs particle physics masterclasses at our national laboratories and universities throughout the UK. Nuclear physics masterclasses are also available at select sites across the UK.

**Leaflets: Full colour, double sided leaflets that open out to A2 sized posters, with introductions to STFC science and technology such as space missions, the Large Hadron Collider, Cosmic Rays, Crystallography, Big Telescopes, Lasers and The Sun.**

**Posters:** One-sided A1 posters of STFC-supported missions and experiments.

**Booklets:** Cartoon booklets for a fast introduction to a topic or information booklets for those wanting more detail.