

Physics

*Activity for Schools and Colleges
2022/2023*



On our Physics Course, students will immerse themselves in how the universe works. They will study a range of classical and modern physics, developing the mathematical and analytical tools to solve the problems they encounter.

- They will study on a course accredited by the Institute of Physics and ranked top-five for student satisfaction.
- Learn in small, close-knit and supportive groups.
- Work on real-world projects with industry partners throughout the course.
- Feel motivated by a course with one of the highest success rates for students acquiring placements.

Please note all sessions are suitable for KS5 students. For KS3/4, please get in touch to see what opportunities are available.

Physics at SHU

Our brilliant team of experts in this area can deliver tasters and talks on request, previous sessions have included:

- The Quantum Ruler
- Radiation: Friend or Foe?
- The Wave Like Nature of Light
- Careers in Physics

We can also offer other talks in this space by request. We can facilitate specific one-off sessions or bigger events that cover talks and wider aspects of university life. These can usually be arranged both on and off campus at a time and date to suit you.



Physics A-Level Practical Sessions

We also currently offer the opportunity for schools and colleges to come onto campus and utilize our Physics lab and technical expertise, in order to aid you in the delivery of your Physics A-Level practical's for Y12 and Y13 students.

For example in a recent session we helped students to get hands on with the following experiments:

- Variation of the frequency of stationary waves on a string
- The interference effects by Young's slit and diffraction by a diffraction grating
- The effect on magnetic flux linkage by varying the angle using a search coil and oscilloscope
- The inverse-square law for gamma rays

Whether your students need to complete the above practical's or something different, please do get in touch to chat further.

**To book in activity, or for more information please
contact: sclo@shu.ac.uk**