

Year 11 Physics

What will I learn?

In the first module: **Electricity**, You will learn about the relationship between current, voltage and resistance and basic electrical circuit design. Specific topics that are covered include electrical safety, the national grid and electric fields.

In the second module: **Magnetism and Electromagnetism**, you will learn how the link between magnetism and electricity. Specific topics that are covered include electric motors, loudspeakers and transformers.

In the third topic: **Space Physics**, you will learn about the nature of the solar system. Specific topics that are covered include the life cycle of a star, satellites and red shift.

How will I be assessed?

Throughout Year 11, you will complete a range of short assessments and homework tasks. These will take place in lesson time and will develop your ability to complete the controlled assessment and tackle the types of questions asked on your exam.

You will complete a mid-module assessment and an end-of-module assessment for both of the modules completed in Year 11. There will also be a 75 minute mock exam completed in the Autumn term.

You will complete a controlled assessment that makes up 25% of your final grade. This assessment is carried out in lesson time and requires you to plan an experiment and carry it out. You will then analyse your experimental results to write a conclusion.

At the end of Year 11, you will complete your GCSE exam papers. The first covers P123 and takes 75 minutes. The second covers P456 and section D and takes 85 minutes.

How will I be taught?

GCSE Physics is taught alongside GCSE Chemistry and Biology. Students will undertake all three qualifications, achieving three GCSE certificates. Your Physics lessons will be a combination of teaching methods supplemented by practical activities that cover the requirements of the course while providing the context that allows students to see how the learning is important for understanding the world around you.