

Edexcel IGCSE Physics

Thank you for expressing an interest in these Edexcel IGCSE Physics lessons! I am Samantha Simic and I have been teaching maths and physics to young people since 2008. As Bright Spires Education, I offer private tuition, STEM workshops and home education packages. I am a qualified teacher and Cambridge graduate who is experienced in supporting home educating families and neurodiverse children, as well as children with learning-based anxiety.

Each lesson includes:

- One hour long interactive online lesson in a group of no more than eight students
- One homework task (homework will be marked as a group during the next lesson)
- Recommended resources for further study or revision
- Exam-style questions (either during the lesson or as part of the homework task)

The fee will also include eight end of topic assessments which will be individually marked.

Content covered

These lessons are designed to prepare students for the Edexcel IGCSE physics qualification, however students studying for general interest are welcome to enrol. The number of lessons indicated below is a guide and subject to change.

Year A

Forces and motion (10 lessons)
Waves (8 lessons)
Astrophysics (6 lessons)
Radioactivity and particles (7 lessons)
Solids, liquids and gases (6 lessons)

Year B

Energy resources and transfers (8 lessons)
Electricity (8 lessons)
Magnetism and electromagnetism (7 lessons)
Solids, liquids and gases (6 lessons)
Radioactivity and particles (7 lessons)

The same two topics are repeated after the Easter holidays as it is expected that each student will study five topics in their first year and three topics in their second, using the time after Easter for revision and exams. This allows the years to be completed in either order. Students may complete the course in one year by attending two lessons per week. The one-year option requires a June start for summer exams, or a September start for the October / November exam series.

The Edexcel IGCSE is a challenging course and it is expected that students will spend time studying the additional resources provided. Students who only complete the homework each week will struggle to achieve a good passing grade.

Homework and assessments

Lesson materials will be uploaded to google classroom within 24 hours of the completion of each lesson and it is requested that homework is submitted 24 hours before the following lesson. Homework will be marked by the student as a group during lesson time. However, by submitting the homework the student will allow me to identify strengths and weaknesses and plan subsequent lessons accordingly.

An optional assessment will be set at the end of each topic. Each student is responsible for completing their assessments outside of lesson times, under examination conditions (i.e. a quiet

room with no notes, phone or laptop). If the student is eligible for additional support (i.e. extra time or a scribe) these should be provided. It is highly recommended that assessments are printed out and answered by hand unless the student is permitted to use a laptop in exams.

Assessments will be individually marked and returned via google classroom with personalised feedback. For weeks during which assessments are set or reviewed, there may be no homework or recommended further study materials provided.

Exams

The Edexcel IGCSE physics course is assessed through two exams. The IGCSE has no practical exams. Students will be assessed on their understanding of the practical element of physics during the written exams. For the linear route, the first paper is 2 hours long and the second is 1 hour and 15 minutes. The topic order in this course is not ideal for the modular route. Students are expected to organise their own exams – this cost is **not** included in the lesson fee.

Mathematical requirements

Students are expected to have a good grasp of mathematics and should be able to work to GCSE standard, including but not limited to rearranging and solving equations, converting between metric units, using standard form and rounding to specified significant figures. These skills are a requirement for the Edexcel physics IGCSE and will **not** be specifically taught during these lessons.

Equipment

Students will need a laptop or computer with a stable internet connection for video calling. Lessons are not to be recorded by students. Homework can be completed using a computer or handwritten. Homework and assessments should be submitted as a single pdf file and uploaded to google classroom. You do not need a scanner – there are many free apps that convert images from a phone camera to pdfs. There is no need to buy a textbook, although I can offer recommendations if you would like. Students will require a scientific calculator.

Fees and enrolment process

Lessons cost £15 and each half term must be purchased as a block and paid in advance. If you would like to register, please use this link to complete the registration form: <https://forms.gle/GMdoG9KTUDvXQ9zn9> or contact me using the details below.

Places will be offered on a first come, first served basis. Once the completed registration form has been submitted, an invoice will be sent to request a deposit of £60 and the cost of the first term to reserve your place. The value of the deposit will be deducted from your final invoice. Your place will not be confirmed until this payment has been received. If you wish to terminate lessons for any reason, please give one complete half term's notice in order for your deposit to be returned to you. If you wish to terminate lessons with immediate effect or less than one half term's notice, you will forfeit your deposit.

Due to the group nature of the lessons, I am unable to give any refund for missed lessons.

Inappropriate behaviour will result in expulsion from the group without a refund. Please refer to the terms and conditions for more details.