

Physics GCSE Information Sheet

AQA GCSE Physics: Specification - <https://www.aqa.org.uk/subjects/science/gcse/physics-8463>

Examination Information:

GCSE Physics is assessed at Foundation Tier (grades 1-5) **OR** Higher Tier (grades 4-9). All question papers must be taken at the same tier. Students sit two papers. Each paper lasts 1 hour and 45 minutes and contributes 50% to the student's final grade. Each paper comprises multiple choice, structured, closed short answer and open response questions.

Paper 1 covers four topics: energy, electricity, particle model of matter and atomic structure.

Paper 2 covers the topics forces, waves, magnetism and electromagnetism and space physics. Questions may also draw on understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from the energy and electricity topics.

How you can support your child:

A quiet space to work and a regular routine for completing homework are highly recommended.

In order to achieve the best possible overall grade for their Physics GCSE, we strongly recommend that students get into the habit of regular revision. Wherever possible, this should involve actively attempting and marking questions and retrieving information from memory, instead of reading notes. Revision could include completing past examination questions and then correcting answers using the mark scheme, practising applying key equations and definitions to answer questions or using flashcards with answers to test understanding of topics.

Key Websites:

<https://isaacphysics.org/gcse> – Excellent resource for practising problem-solving techniques.

<https://continuityoak.org.uk/Lessons> – Oak Academy, a national academy of online lessons.

<https://studymind.co.uk/resource/gcse-physics-aqa-past-papers/> - Past paper questions and mark schemes by topic.

<https://www.bbc.co.uk/bitesize/subjects/zrkw2hv> - remember that we follow the AQA Physics (Single Science) course.

<https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/> - a fantastic source of past paper questions and revision notes / flash cards.

Moodle:

Lessons and resources are available to students on Moodle – 2024-2025 Physics Y11. It is important that if students are away from school, they catch up on the lessons they have missed. An electronic version of the course textbook can be found on the Kerboodle website. This is accessed via Moodle and all students have been given login details.

If you have any queries at any time, please do not hesitate to contact the Science Curriculum Area via the school or via email: info@ladymanners.derbyshire.sch.uk