

GCSE PHYSICS REVISION GUIDANCE AND RESOURCES

Remember

- Note taking is not revision, it is preparation for revision.
- Reading a textbook is too passive – revision needs to be active.
- Vary your revision activities.

An effective revision system could be:

- 1 – work through a set of questions (could be a past paper, a set of multichoice questions or a worksheet).
- 2 – self-assess the answers, highlighting weaker areas.
- 3 – review and strengthen the weaker areas.
- 4 – repeat the above but in a different area of the course.
- 5 – a week later find and attempt questions based on the previously identified weaker areas and assess whether or not they have been strengthened.

Strongly recommended:

- Read through examiner reports – these highlight the strengths and weaknesses of actual candidate answers.
- Read through the exemplar materials – these are written by principle examiners explaining why actual responses did or did not gain a mark. Very useful for 6 mark level of response questions.
- <https://ocr.org.uk/qualifications/gcse/gateway-science-suite-physics-a-j249-from-2016/assessment/>

'Y11 Physics' Team classroom materials folder on MSTeams:

- Equations – nine equations are given to you on the data sheet but there are twenty that must be learnt. There is a list of these on Fronter and on page 307 of the textbook.
- Glossary of terms – a sheet produced by OCR explaining the terms OCR expect you to be able to use in the exams. These terms apply mainly to practical work. This sheet can be found in the 'P9 – Practical skills in Physics' folder on Fronter.
- You need to know the eight core practicals. These are explained in the back of the textbook and there is a list of links to videos explaining each practical in the 'P9 – Practical skills in Physics' folder on Fronter.
- Guidance on how to answer 6 mark questions in the '6 mark question resources' folder.

In "All Exam Papers":

"Current Specification Past Papers and Mark Schemes" – contains the 2018 papers and mark schemes

"Previous Specification Past Papers and Mark Schemes" – contains the papers and mark schemes from the previous specification – there is a word document that maps the new specification to the old specification

"Practice Examination Papers" – contains practice papers and mark schemes produced by OCR

"Zig-zag Practice Papers and Mark Schemes" – contains practice papers and mark schemes

In “Modules P1 to P8”

“Checklists” – contains checklists you can use to check what you need to learn and understand

“PowerPoints” – contains useful PowerPoints that have been used in lessons

“Practice Questions and Mark Schemes” – due to the past examination papers available being from the legacy specification we have produce sets of questions with associated mark schemes based on the new specification. Each set of questions is around 30 marks so should take around 30 minutes.

“Student Textbook Answers” – contains the answers to all the questions in the GCSE Physics textbook.

“Unit Tests and Mark Schemes” – contains the unit tests and associated mark schemes. There is also tests and mark schemes for ‘sub-units’ (e.g. P3.1).

“Worksheets and Answers” – contains worksheets and associated answers. Some of these may have been used in class or for homework.

Others:

“Equations” – these need to be learnt.

“P9 – Practical skills in Physics” – contains details for resources to review the eight core practicals plus an OCR glossary explaining the key terms students are expected to use.

The specification.

Kerboodle:

You can access resources such as worksheets and interactive activities.

Video resources:

GCSEPhysicsOnline: <https://www.gcsephysicsonline.com/> (email: physics@beths.bexley.sch.uk password: 1945). Also has worksheets and videos explaining how the answers were obtained.

Gorilla Physics: <https://gorillaphysics.com/gcse>

‘Freesciencelessons’ – videos on youtube

https://www.youtube.com/channel/UCqbOeHaAUXw9Il7sBVG3_bw/videos

Isaac Physics:

Self-marking online questions – good to practice and strengthen problem solving skills.

Also contains information, hints and advice.

You can make your own login if you have not got one already.

<https://isaacphysics.org/>

Suggested revision websites:

<https://senecalearning.com/en-GB/>

<https://gradegorilla.com/gcse-physics-revision-questions.php>

<https://www.bbc.co.uk/bitesize/examspecs/zwtp6fr>

<http://www.passmyexams.co.uk/>

<https://revisionscience.com/gcse-revision/physics>

<http://www.gcscience.com/gcse-physics-revision.htm>

<https://docbrown.info/page17/2016-0-index.htm#Gateway>

<http://www.gcse.com/physics.htm>