

HOW TO REVISE FOR GCSE SCIENCE (AQA)

GENERAL

Structure your revision. Use the Elevate skills and break your revision into chunks. Depending on the course you're studying there are approximately 25 science topics or 'chapters' - these make ideal revision sections. Use this checklist:

Biology

- 1. Cell biology
- 2. Photosynthesis
- 3. Moving and Changing Materials
- 4. Health Matters
- 5. Coordination and Control
- 6. Genetics
- 7. Variation and Evolution
- 8. Ecology in Action

Chemistry

- 1. Atomic structure and the periodic table
- 2. Bonding, structure, and the properties of matter
- 3. Quantitative chemistry
- 4. Chemical changes
- 5. Energy changes
- 6. The rate and extent of chemical change
- 7. Organic chemistry
- 8. Chemical analysis
- 9. Chemistry of the atmosphere
- 10. Using resources

Physics

- 1. Energy
- 2. Electricity
- 3. Particle model of matter
- 4. Atomic structure
- 5. Forces
- 6. Waves
- 7. Magnetism and electromagnetism
- 8. Space (triple only)

What should I actually do? What websites should I use?

We recommend the following strategies:

- 1) **Making revision summaries** - this could be cue cards, mind-maps, question/answers, lists, flow-charts, diagrams, graphs - all methods that involve revisiting and processing of the information. If you can eventually get a topic down to a page of A4 or A3 then key terms, equations and facts will start to hang on visual memory 'hooks'
- 2) **PRACTISE** - questions like the ones you are going to face in the exam. This could be question packs provided by school, questions in Collins connect, in the revision guides, past papers available through AQA, or other past exam questions available online. There is real benefit in using the markschemes, just don't turn to them too early - try the questions properly and then refer to mark schemes once stuck or for clarification on extra marks. **MAKE SURE YOU ARE REVISING THE RIGHT CONTENT!!** (AQA, triple or trilogy, NEW Specification)
- 3) **Remember the required practicals** - there is likely to be a large emphasis on these in the exam so we'd recommend using focus e-learning to really swot up on all of them! (again take care with trilogy versus triple though as the separate sciences include required practicals)

Using the following resources:

- 1) **Collins Connect** (textbook online) with topics in the same sequence as listed on the first page. Make sure you are accessing the correct book - either separate (triple) science or the combined (trilogy) books.

<https://connect.collins.co.uk/school/defaultlogin.aspx>

- 2) **Seneca learning** (Which is currently FREE) with interactive really well designed activities and revision resources. The chapters follow the correct AQA sequence and you can track your revision against the topic lists on the first page.

<https://app.senecalearning.com>

- 3) **Focus elearning** - An interactive site where you can work your way through each of the required practicals in detail - make lists of variables, test yourself on the method (you need to learn them) and the results - what do the results show? How is the data best represented? (graphs, relationships, trends)

Username: student@parklandshigh2582

Password: k7070pvpa

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

- 4) **CGP Revision Guide** - Contains really condensed summary notes of all the key information, and also includes practice questions. This is particularly important for any work you missed, or for which you are not happy with the quality of your exercise book work. The revision guides also emphasis the required practicals.

- 5) **GCSE Bitesize** - for very well structured revision with videos and practise quizzes.

<https://www.bbc.com/bitesize/levels/z98jmp3>

Science revision in Google Classroom

Make sure you also use the classroom page for KS4 revision:

Classcode: [ountbm](#)



Where you will find:

- A3 Revision broadsheets
- 'Wagolls' for the mock exams
- Revision packs with exam questions
- Links to video clips
- Required practical resources
- Mark-schemes for the Science Paper 1 revision session packs (published after each session)