

<p><b>Key Information:</b> Year 11 students have 9 hours of Science per fortnight for combined Science and 14 for Separate. Their teachers will cover all three subjects.</p>	
<p><b>Google Revision Classroom:</b> <b>AQA Separates Higher Revision</b> <a href="#">Link to Classroom</a> Class code: mulh4du <b>AQA Separated Foundation Revision</b> <a href="#">Link to Classroom</a> Class code: d3psvkn</p>	<p><b>AQA Combined Science Higher Revision</b> <a href="#">Link to Classroom</a> Class code: dz2yxif <b>AQA Combined Science Foundation Revision</b> <a href="#">Link to Classroom</a> Class code: fu6mtdi</p>
<p><b>Homework:</b> Homework will be set in accordance with the scheme of work for science. When students have been taught key concepts within each topic they study, Students will be asked to make a revision resource for that concept for their homework. These resources can then be used to revise for assessments and can be used when revising for the summer examinations.  In addition to this, students will be asked to use revision resources found in the Science Revision google classroom. Their focus should be at the required practical's section. Around 15% of the overall mark for their GCSE qualification will be based upon the knowledge and understanding they have gained when carrying out the required practical's.</p>	
<p><b>Assessments:</b> Students will regularly receive verbal feedback from their teacher. Students will have an opportunity to peer/self-assess some assessments to familiarise themselves with mark schemes and exam board expectations. The next formal assessment for Year 11 students will take place in the second half of the Autumn term.</p>	
<p><b>Lesson expectations:</b> All students are expected to attend all lessons and be punctual with the equipment required including a scientific calculator. Minimum: Pen, Pencil, Ruler, Green Pen, Rubber.</p>	
<p><b>Biology - What are we studying?</b> <b>Topic code linked to revision classroom:</b> B1, B2, B3 Combined. B1, B2, B3, B4, B5 Separates.  This year, we will begin with <b>B1: Cell Structure and Transport</b>, where students will learn about the structure of cells and how substances move in and out of them. We will then cover <b>B2: Cell Division</b>, exploring the process of mitosis and the importance of stem cells. In <b>B3: Organisation and the Digestive System</b>, students will study how the body is organized, with a focus on enzymes and digestion. For Separate Science students, we will further examine <b>B4: Organising Animals and Plants</b>, focusing on transport systems in animals and plants, and <b>B5: Communicable Diseases</b>, which covers how pathogens spread, and how our immune system protects us.  Required Practical's: RP Using a light Microscope; RP Effect of Salt/Sugar concentration on mass of plant; RP Food Tests; RP Effect of light intensity on Photosynthesis; RP Preventing Bacterial Growth (Separates Only).  Revision Links:  <ul style="list-style-type: none"> <li>• <a href="#">Cells and Cell Structure</a></li> <li>• <a href="#">Unit Conversions</a></li> </ul> </p>	



- [Light vs Electron Microscope](#)
- [Diffusion](#)
- [Osmosis](#)
- [Food Tests](#)

For more resources, exam practice and support notes, please access the **Google Classroom Revision Resources**

### **Chemistry – What are we studying?**

**Topic code linked to revision classroom:** C1, C2, C3 for Combined. C1, C2, C3, C4 Separates.

We will start the year with **C1: Atomic Structure and the Periodic Table**, where students will explore the structure of atoms and the development of the periodic table. This will be followed by **C2: Bonding, Structure, and the Properties of Matter**, covering the different types of bonding and how they influence the properties of materials. In **C3: Quantitative Chemistry**, students will focus on calculations related to chemical reactions, including mass, moles, and concentration. For Separate Science students, we will also study **C4: Chemical Changes**, which explores the reactions between acids and metals, electrolysis, and the pH scale.

Required Practical's: RP Titrations (Separates Only).

Revision Resources:

- [Atoms and Ions](#)
- [Elements, Isotopes and Relative Atomic Mass](#)
- [History of the model of the Atom](#)
- [Modern Periodic Table](#)
- [Electronic Structure](#)

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### **Physics – What are we studying?**

**Topic code linked to revision classroom:** P1, P2, P3 , P4 COMBINED. P1, P2, P3, P4, P5 Separates.

We start with **P1: Energy**, studying different energy stores, energy transfers, and the use of renewable and non-renewable resources. Next, in **P2: Electricity**, students will explore electrical circuits, Ohm's Law, and the safety of mains electricity. We will then cover **P3: Particle Model of Matter**, focusing on states of matter, internal energy, and temperature changes. Finally, in **P4: Atomic Structure**, we will examine the structure of the atom, radioactivity, and its applications. Separate Science students will also study **P5: Forces**, covering force interactions, Newton's Laws, and momentum.

Required Practical's: RP Thermal Insulators; RP Specific Heat Capacity; RP Investigating Resistance.

Revision Resources:

- [Energy Stores](#)
- [Conduction Convection and Radiation](#)
- [Conservation of Energy](#)
- [Introduction into Circuits](#)
- [Series Circuits](#)
- [Parallel Circuits](#)

For more resources, exam practice and support notes, please access the **Google Classroom Revision Resources**

### **What to do if you have a question or concern...**

We aim to respond to queries within 24 hours. Please email [scienceinfo@theappletonschool.org](mailto:scienceinfo@theappletonschool.org)