<table>
<tr><td>Subject</td><td><h1>BIOLOGY</h1></td></tr>
<tr><td>Paper</td><td>
<u>Paper 1 (5th June 2024): Year 12 Topics 1-4</u>
Hyperlinks will take student to that part of the Specification.

3.1 Biological molecules

3.2 Cells

3.3 Organisms exchange substances with their environment

3.4 Genetic information, variation, and relationships between organisms

<u>Paper 2 (14th June 2024): Year 13 Topics 5-8</u>
Hyperlinks will take student to that part of the Specification.

3.5 Energy transfers in and between organisms (A-level only)

3.6 Organisms respond to changes in their internal and external environments (A-level only)

3.7 Genetics, populations, evolution and ecosystems (A-level only)

3.8 The control of gene expression (A-level only)

<u>Paper 3 (19th June 2024): Synoptic Topics 1-8 & Essay</u>

Weightings and skills per paper based on the AO objectives.
<table>
<tr><th rowspan="2">Assessment objectives (AOs)</th><th colspan="3">Component weightings (approx %)</th><th rowspan="2">Overall weighting (approx %)</th></tr>
<tr><th>Paper 1</th><th>Paper 2</th><th>Paper 3</th></tr>
<tr><td>AO1</td><td>44–48</td><td>23–27</td><td>28–32</td><td>30–35</td></tr>
<tr><td>AO2</td><td>30–34</td><td>52–56</td><td>35–39</td><td>40–45</td></tr>
<tr><td>AO3</td><td>20–24</td><td>19–23</td><td>31–35</td><td>25–30</td></tr>
<tr><td>Overall weighting of components</td><td>35</td><td>35</td><td>30</td><td>100</td></tr>
</table>
AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures.
AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures.
AO3: Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues.
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<tr><td>Work/skills/activities being covered in lesson leading to exams</td><td>

Week 1 (18th March)
SCO: DNA fragments & Recombinant DNA
EHO: statistics (hardy weinberg & t test) & recap of natural selection (application practice)

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	• **Week 2 (25th March)** SCO: Gene Therapy EHO: statistics (spearman's rank), Standard error, standard deviation & exam application of stats • **Week 3 (14th April)** SCO: Genetic Fingerprinting EHO: Topic 1 - Biological Molecules revision • **Week 4 (22nd April)** SCO: Totipotent v Pluripotent EHO: Topic 4a revision • **Week 5 (29th April)** SCO: Topic 3 Revision EHO: Topic 4b revision • **Week 6 (7th May)** SCO: Topic 3 Revision EHO: topic 5a revision • **Week 7 (13th May)** SCO: Topic 3 Revision EHO: topic 5b revision • **Week 8 (21st May)** SCO: Topic 6 Revision – Kidneys EHO: topic 5c revision • **Week 9 (3rd June)** SCO: Quick fire P1 wins EHO: Maths Skill/Stats quick wins Lessons post the 3rd June – will focus on quick wins for the next upcoming paper
Areas to revise as a priority leading to exams	• Independently focus on Topic 2 – SCO will be covering as much of Topic 3 in revision as possible prior to paper 1.
Suggested methods of revision	• Blank page retrieval • Consolidation flashcards • Using the Miss Estruch video links to each topic to create mind maps. • Key terminology lists and definitions
Specific independent focus over Easter	Revise the 12 required practical's, including their variables, methods, risk assessments, expected results any data analysis that is completed. Complete the required practical exam question pack once you have completed the revision then use the mark scheme to GPA your answers. EMAIL SCO with any specific questions you had to GPA over 50% of the answer.
Links to support revision and exam prep	Command words: https://www.aqa.org.uk/resources/science/as-and-a-level/biology-7401-7402/teach/command-words Essay Advice and tips: https://filestore.aqa.org.uk/content/ase-2018/AQA-ASE-2018-A-BIOL-ESSAY-PRES.PDF