| Separate | Autumn Term                 | Spring term             | Summer term                | Assessment of          | Enrichment opportunities / wider reading  |
|----------|-----------------------------|-------------------------|----------------------------|------------------------|---|
| Sciences |                             |                         |                            | learning               |   |
| Year 9   |                             |                         | B3 Infection &             |                        | AQA Collins GCSE revision guide   |
|          |                             |                         | Response                   | Each unit includes:    | https://www.bbc.com/bitesize/levels/z98jmp3   |
|          |                             |                         | C2 Bonding &               |                        | BBC Class clips   |
|          |                             |                         | Structure                  | investigation write up | Oak National Academy Online Classroom   |
|          |                             |                         | C1 Atomic Structure        | assessment (linked to  | (thenational.academy)   |
|          |                             |                         | & Periodic Table           | required practical)    | GCSEPrepper <a href="https://www.gcseprepper.co.uk/">https://www.gcseprepper.co.uk/</a> |
|          |                             |                         | P1 Energy                  |                        | Seneca - <a href="https://senecalearning.com/">https://senecalearning.com/</a>          |
|          |                             |                         |                            | a summative end of     | Isaac Physics - <a href="https://isaacphysics.org/">https://isaacphysics.org/</a>       |
|          |                             |                         |                            | unit test              | STEM projects - UU/Sellafield/Conference  |
| Year 10  | <b>B1</b> Cell biology      | <b>B2</b> Organisation  | <b>B7</b> Ecology          |                        | AQA Collins GCSE revision guide   |
|          | <b>B4</b> Bioenergetics     |                         |                            | In addition there are  | https://www.bbc.com/bitesize/levels/z98jmp3   |
|          | C5 Energy Transfer          | C3 Quantitative         | <b>C6</b> Rate of Chemical | mock exams linked to   | BBC Class clips   |
|          | C4 Electrolysis             | Analysis                | Change                     | the school             | Oak National Academy Online Classroom   |
|          | P2 Electricity              | P3 Matter               | P2 Domestic                | assessment calendar    | (thenational.academy)   |
|          | <b>P4</b> Atomic Structure  |                         | Electricity                |                        | GCSEPrepper https://www.gcseprepper.co.uk/  |
|          |                             |                         | P7 Waves                   | Homeworks:             | Seneca - <a href="https://senecalearning.com/">https://senecalearning.com/</a>          |
|          |                             |                         |                            |                        | Isaac Physics - <a href="https://isaacphysics.org/">https://isaacphysics.org/</a>       |
|          |                             |                         |                            | Weekly retrieval and   | STEM Careers Day / Engineering Workshops  |
|          |                             |                         |                            | exam practice set via  |   |
| Year 11  | <b>B6</b> Inheritance,      | <b>B5</b> Homeostasis & | Required Practical         | GCSEPrepper            | EPS Sessions on Wednesday 2.30 - 3.15pm   |
|          | Variation, Evolution        | Response                | review                     |                        | AQA Collins GCSE revision guide   |
|          | <b>B7</b> Ecology Y10       |                         |                            |                        | https://www.bbc.com/bitesize/levels/z98jmp3   |
|          | review                      |                         | Revision                   |                        | BBC Class clips   |
|          | C7 Organic                  | C10 Using Resources     |                            |                        | Oak National Academy Online Classroom   |
|          | Chemistry                   | <b>C9</b> Atmosphere    | Exam preparation           |                        | (thenational.academy)   |
|          | <b>C8</b> Chemical Analysis |                         |                            |                        | GCSEPrepper https://www.gcseprepper.co.uk/  |
|          |                             |                         |                            |                        | Seneca - https://senecalearning.com/  |
|          | <b>P5</b> Forces            | P7 Magnetism &          |                            |                        | Isaac Physics - <a href="https://isaacphysics.org/">https://isaacphysics.org/</a>       |
|          |                             | Electromagnetism        |                            |                        |   |

**B/C/P** denotes Biology/Chemistry/Physics units. These are taught as subject specialisms but all marks contribute to the overall double award grade.

## Assessment Map 2022-23



Department: Science

| EPS     | Year 7                   | Year 8                 | Year 9                                  | Year 10  | Year 11  |
|---------|--------------------------|------------------------|---|--|--|
| EPS 2   | Baseline assessment      | Focus:                 | Focus:                                  | Focus:   | Focus:   |
| Nov     | completed in September   | Mixed assessment       | Mixed assessment                        | Mixed assessment   | Mixed assessment   |
| 2022    | Sempretou iii September  | xea accesse.n          | minted desessing in                     |  | mine a decession in  |
|         | Focus:                   | Structure:             | Structure:                              | Structure:   | Structure:   |
|         | Initial assessment       | 45 minutes             | 1 hour                                  | Adapted Paper 1 mock exam  | Full Paper 1 mock exam   |
|         | miliar acceptions        | Multiple-choice        | Short-answer questions                  | 3 x 1 hour papers (Trilogy)  | 3 x 1 hour 15 minutes (Trilogy)  |
|         | Structure:               | Short-answer questions | Longer-answer questions                 | 3 x 1 hour 30 minutes (Triple)   | 3 x 1 hour 45 minutes (Triple)   |
|         | 45 minutes               | Onort anower questions | Longer answer questions                 | OX Thou of minutes (Thiple)  | o x i nour 40 minutes (mpio)   |
|         | Multiple-choice          | Knowledge and skills   | Knowledge and skills assessed:          | Single Tier  | Higher and Foundation Tiers  |
|         | Short-answer questions   | assessed:              | Biology: Cells to Systems               | Single riei  | riigher and roundation hers  |
|         | Offort-ariswer questions | Practical skills       | biology. Cells to Systems               | Knowledge and skills assessed:   | Knowledge and skills assessed:   |
|         | Knowledge and skills     | Breathing              | Chemistry: Molecules and Trends         | Biology: B1 Cell Biology; B3 Infection &                                   | Biology: B1 Cell Biology; B2 Organisation; B3  |
|         | assessed:                | Forces                 | Chemistry. Molecules and Trends         |  | Infection & Response: B4 Bioenergetics   |
|         | Practical skills         | Periodic Table         | Dhysica: Energy in the Heme             | Response;  | infection & Response, 64 bioenergetics   |
|         | Cells & Movement         |                        | Physics: Energy in the Home             | Characiata a CO Baradina a Cturretura 9                                    | Chamistan CA Atamia Churchuna & Dania dia  |
|         |                          | Working scientifically | Manting a significantly                 | Chemistry: C2 Bonding, Structure & Properties of Matter; C5 Energy Changes | Chemistry: C1 Atomic Structure & Periodic Table; C2 Bonding, Structure & Properties of   |
|         | Working scientifically   |                        | Working scientifically                  | Properties of Matter; C5 Energy Changes                                    | Matter CO Occupitation Observation CA  |
|         |                          |                        |   | B/ : D4 5  | Matter; C3 Quantitative Chemistry; C4  |
|         |                          |                        |   | Physics: P1 Energy, P2 Electricity   | Chemical Changes; C5 Energy Changes  |
|         |                          |                        |   |  | D D. E. D. E   |
|         |                          |                        |   |  | Physics: P1 Energy; P2 Electricity; P3   |
|         |                          |                        |   |  | Particle Model of Matter; P4 Atomic Structure  |
|         |                          |                        |   |  |  |
|         |                          |                        |   |  |  |
| EPS 3/4 | Focus:                   | Focus:                 | Focus:                                  | Focus:   | Focus:   |
| March   | Mixed Assessment         | Mixed Assessment       | End of KS3 Exam                         | Mixed assessment   | Mixed assessment   |
| 2023    |                          |                        |   |  |  |
|         | Structure:               | Structure:             | Structure:                              | Structure:   | Structure:   |
|         | 1 hour                   | 1 hour                 | 1 hour multiple choice (computer        | Adapted Paper 1 mock exam  | Full Paper 2 mock exam   |
|         | Multiple-choice          | Multiple-choice        | based)                                  | 3 x 1 hour 15 minutes (Trilogy)  | 3 x 1 hour 15 minutes (Trilogy)  |
|         | Short-answer questions   | Short-answer questions | 1 hour written                          | 3 x 1 hour 45 minutes (Triple)   | 3 x 1 hour 45 minutes (Triple)   |
|         |                          |                        | Short-answer questions                  |  |  |
|         | Knowledge and skills     | Knowledge and skills   | Longer-answer questions                 | Higher and Foundation Tiers  | Higher and Foundation Tiers  |
|         | assessed:                | assessed:              |   |  |  |
|         | Earth & Universe         | Periodic Table         | Knowledge and skills assessed:          | Knowledge and skills assessed:   | At this stage pupils will be sitting the tier they   |
|         | Particles                | Digestion              | Summative assessment of KS3             | Biology: B1 Cell Biology; B3 Infection &                                   | will sit in the summer exams.  |
|         | Forces                   | Light                  | knowledge, mainly linked to Y9          | Response; B4 Photosynthesis only   |  |
|         | Reproduction             | Reactions              | bridging topics                         |  | Knowledge and skills assessed:   |
|         | Working Scientifically   | Working Scientifically |   | Chemistry: C1 Atomic Structure & Periodic                                  | Biology: B5 Homeostasis & Response; B6   |
|         | ,                        | ,                      | Biology: Cells to Systems / Plants      | Table; C2 Bonding, Structure & Properties of                               | Inheritance, Variation & Evolution: B7   |
|         |                          |                        | , | Matter; C4 Chemical Changes; C5 Energy                                     | Ecology; Key Ideas   |
|         |                          |                        | Chemistry: Molecules and                | Changes  |  |
|         |                          |                        | trends/Reactions/Acids                  |  | Chemistry: C6 Rate & Extent of Chemical  |
|         |                          |                        |   | Physics: P1 Energy, P2 Electricity, P4 Atomic                              | Change; C7 Organic Chemistry; C8 Chemical  |
|         |                          |                        | Physics: Energy, Forces                 | Structure  | Analysis; C9 Chemistry of the Atmosphere;  |
|         |                          |                        | ,                                       |  | C10 Using Resources; Key Ideas   |
|         |                          |                        | Working Scientifically                  |  | and a second sec |
|         |                          |                        |   |  | Physics: P5 Forces; P6 Waves; P7   |
|         |                          |                        |   |  | Magnetism & Electromagnetism; P8 Space   |
|         |                          |                        |   |  | (Triple only); Key Ideas   |
|         |                          |                        |   |  | (There only), itey ideas   |
|         | l .                      |                        | 1                                       | l  |  |

| EPS 5        | Focus:                                 | Focus:                            | Focus:   |   |  |
|--------------|--|-----------------------------------|--|---|--|
| May          | End of Year Exam                       | End of Year Exam                  | Mixed assessment   |   |  |
| 2023         | End of Fear Exam                       | End of Fear Exam                  | Mixed assessment   |   |  |
| 2023         | Structure:                             | Structure:                        | Structure:   |   |  |
|              | 1 hour                                 | 1 hour                            | 3 x 1 hour papers (B/C/P)                                    |   |  |
|              | Multiple-choice                        | Multiple-choice                   | 3 x 1 flour papers (B/C/P)                                   |   |  |
|              |  |                                   | Knowledge and abilla accessed.                               |   |  |
|              | Short-answer questions                 | Short-answer questions            | Knowledge and skills assessed: Biology: Infection & Response |   |  |
|              | Longer-answer questions                | Longer-answer questions           |  |   |  |
|              | Karandadaa aa dalahii                  | Konsulador sud aldila             | Chemistry: Molecules and                                     |   |  |
|              | Knowledge and skills                   | Knowledge and skills              | trends/Reactions/Acids/Separation                            |   |  |
|              | assessed:<br>Earth & Universe          | assessed:                         | techniques   |   |  |
|              |  | Breathing                         | Physics: Energy, Forces, Matter                              |   |  |
|              | Particles & Periodic Table             | Forces                            |  |   |  |
|              | Forces                                 | Periodic Table                    |  |   |  |
|              | Reactions                              | Digestion                         |  |   |  |
|              | Reproduction                           | Light & Sound<br>Reactions        |  |   |  |
|              | Ecology                                | Matter                            |  |   |  |
|              | Matter                                 |                                   |  |   |  |
|              | Working Scientifically                 | Electricity & Magnetism           |  |   |  |
|              |  | Working Scientifically            |  |   |  |
| EPS 6        | Facus                                  | Facus                             |  | Facular                                       |  |
|              | Focus: End of topic combined test      | Focus: End of topic combined test |  | Focus: Mixed assessment                       |  |
| July<br>2023 | End of topic combined test             | End of topic combined test        |  | iviixed assessment                            |  |
| 2023         | Structure:                             | Standard                          |  | Structure:                                    |  |
|              | Structure:<br>2 x 30 mins              | Structure:<br>2 x 30 mins         |  | Full Paper 1 mock exam                        |  |
|              |  | Multiple-choice                   |  | 3 x 1 hour 15 minutes (Trilogy)               |  |
|              | Multiple-choice Short answer questions | Short answer questions            |  | 3 x 1 hour 15 minutes (Trilogy)               |  |
|              | Short answer questions                 | Short answer questions            |  | 3 X 1 Hour 45 Hilliutes (Triple)              |  |
|              | Knowledge and skills                   | Knowledge and skills              |  | Higher and Foundation Tiers                   |  |
|              | assessed:                              | assessed:                         |  | Trigiler and Foundation fiers                 |  |
|              | Genetics & Variation / Acids &         | Ecosystems / Genetics &           |  | Knowledge and skills assessed:                |  |
|              | Alkalis                                | Inheritance                       |  | Biology: B1 Cell Biology; B2 Organisation; B3 |  |
|              | Reactions 1 / Electricity              | Earth & its structure / Energy    |  | Infection & Response; B4 Bioenergetics        |  |
|              | Neadions 1 / Electricity               | Latin & its structure / Energy    |  | Introduction a Nesponse, by bioenergetics     |  |
|              |  |                                   |  | Chemistry: C1 Atomic Structure & Periodic     |  |
|              |  |                                   |  | Table; C2 Bonding, Structure & Properties of  |  |
|              |  |                                   |  | Matter; C3 Quantitative Chemistry; C4         |  |
|              |  |                                   |  | Chemical Changes; C5 Energy Changes           |  |
|              |  |                                   |  | Silango, oo Energy Chango                     |  |
|              |  |                                   |  | Physics: P1 Energy; P2 Electricity; P3        |  |
|              |  |                                   |  | Particle Model of Matter; P4 Atomic Structure |  |
|              |  |                                   |  | . a.a.a.aaan ar makar, r 17 karina araatara   |  |
|              | 1                                      | ſ.                                |  | I .   |  |