**Long Term 5 Year Plan Greatfields Science Department**

**KS3:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | HT1 | HT2 | HT3 | HT4 | HT5 | HT6 | Course/Resources |
| Year 7 | Particles and Changes (12 lessons) | Cells and Reproduction (15 lessons) | Forces and Space (15 Lessons) | Elements, Compounds and Periodic Table (12 lessons) | Diet and Disease (14 lessons) | Energy Transfers (10 Lessons) | Adapted Collins |
| Year 8 | Acids and Alkalis (15 lessons) | Respiration and the Circulatory System (15 lessons) | Electricity (15 lessons) | Earth and the Environment (12 Lessons) | Plants and Ecosystems (12 lessons) | Waves: Light and Sound (16 lessons) | Adapted Collins |

**KS4 Routes:**

**Triple AQA GCSE Science:**

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| --- | --- | --- | --- | --- | --- | --- |
|  | HT1 (7weeks) | HT2 (8weeks) | HT3 (6weeks) | HT4 (5weeks) | HT5 (5 weeks) | HT6 (7weeks) |
| Year 9  4 lessons per week | C1 Atomic Structure  B1 Cells  TA1 | B1 Cells continued  P1 Energy  TA2 | C2 Bonding and Structure  B2 Organisation | B2 Organisation  P2 Electricity  TA3 | P2 Electricity | C3 Quantitative Chemistry  B4 Bioenergetics  TA4 |
| Year 10  5 lessons per week | P3 Particle Model of Matter  C4 Chemical Changes  TA1 | B3 Infection and Response  P4 Atomic Structure  TA2 | C5 Energy Changes  C6 Rate and Exchange  P5 Forces | P5 Forces  Paper 1 Mock Exams | B5 Homeostasis and Response | C7 Organic Chemistry  C8 Chemical Analysis  P6 Waves  Paper 1 Mock Exams  Part Paper 2 Mock |
| Year 11  5 lessons per week | P6 Waves  B6 Inheritance | C9 Chemistry of the Atmosphere  P7 Magnetism  P8 Space  Paper 1 Mock  Paper 2 Mock | B7 Ecology  C10 Using Resources | C10 Using Resources  Revision | Revision  **Paper 1 Exams** | **Paper 2 Exams** |

**Double AQA GCSE Trilogy Science:**

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| --- | --- | --- | --- | --- | --- | --- |
|  | HT1 (7weeks) 28 lessons | HT2 (8weeks) 32 lessons | HT3 (6weeks) 24 lessons | HT4 (5weeks) 20 lessons | HT5 (5 weeks) 20 lessons | HT6 (7weeks) 28 lessons |
| Year 9  4 lessons per week | C1 Atomic Structure  B1 Cells  TA1 | B1 Cells continued  P1 Energy  TA2 | C2 Bonding and Structure  B2 Organisation | B2 Organisation  P2 Electricity  TA3 | P2 Electricity  C3 Quantitative Chem | B4 Bioenergetics  P3 Particle Model  TA4 |
| Year 10  4 lessons per week | C4 Chemical Changes  B3 Infection and Response  TA1 | P4 Atomic Structure  B5 Homeostasis and Response  TA2 | P5 Forces | C5 Energy Changes  B6 Inheritance  Paper 1 Mock Exams | B6 Inheritance  C6 Rate and Exchange | C7 Organic  C8 Chemical Analysis  Paper 1 Mock Exams  Part Paper 2 Mock |
| Year 11  4 lessons per week | P6 Waves  B7 Ecology  C9 Atmosphere | C10 Resources  P7 Magnetism  Paper 1 Mock  Paper 2 Mock | REVISION | REVISION | REVISION  **Paper 1 Exams** | **Paper 2 Exams** |

**Supported Curriculum Science – Foundation AQA GCSE Trilogy:**

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| --- | --- | --- | --- | --- | --- | --- |
|  | HT1 (7weeks) | HT2 (8weeks) | HT3 (6weeks) | HT4 (5weeks) | HT5 (5 weeks) | HT6 (7weeks) |
| Year 9  3 lessons per week | C1 Atomic Structure  B1 Cells  TA1 | P1 Energy  TA2 | C2 Bonding | B2 Organisation | P2 Electricity | C4 Chemical Changes  TA4 |
| Year 10  3 lessons per week | B3 Infection and Response  B4 Bioenergetics | P3 and P4 Atomic and Particle Physics | C5 and C6 Chemical Changes and Rates | B5 Homeostasis  B6 Inheritance  Paper 1 Mock | P5 Forces | C7 Organic and C8 Chem Analysis  Paper 1 Mock Exams  Part Paper 2 Mock |
| Year 11  3 lessons per week | P6 and P7 Waves and Mag | B7 Ecology  C9 Atmosphere  Paper 1 Mock  Paper 2 Mock | C10 Resources  REVISION | REVISION | **REVISION**  **Paper 1 Exams** | **Paper 2 Exams** |