**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:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | HT1 (7weeks)  | HT2 (8weeks)  | HT3 (6weeks)  | HT4 (5weeks)  | HT5 (5 weeks)  | HT6 (7weeks)  |
| Year 94 lessons per week | C1 Atomic StructureB1 CellsTA1 | B1 Cells continued P1 EnergyTA2 | C2 Bonding and StructureB2 Organisation | B2 OrganisationP2 ElectricityTA3 | P2 Electricity | C3 Quantitative ChemistryB4 BioenergeticsTA4 |
| Year 105 lessons per week | P3 Particle Model of MatterC4 Chemical ChangesTA1 | B3 Infection and ResponseP4 Atomic StructureTA2 | C5 Energy ChangesC6 Rate and ExchangeP5 Forces | P5 ForcesPaper 1 Mock Exams | B5 Homeostasis and Response | C7 Organic ChemistryC8 Chemical AnalysisP6 WavesPaper 1 Mock ExamsPart Paper 2 Mock |
| Year 115 lessons per week | P6 WavesB6 Inheritance | C9 Chemistry of the AtmosphereP7 MagnetismP8 SpacePaper 1 MockPaper 2 Mock | B7 EcologyC10 Using Resources | C10 Using ResourcesRevision  | Revision **Paper 1 Exams** | **Paper 2 Exams** |

**Double AQA GCSE Trilogy Science:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 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 94 lessons per week | C1 Atomic StructureB1 CellsTA1 | B1 Cells continued P1 EnergyTA2 | C2 Bonding and StructureB2 Organisation | B2 Organisation P2 ElectricityTA3 | P2 ElectricityC3 Quantitative Chem | B4 BioenergeticsP3 Particle ModelTA4 |
| Year 104 lessons per week | C4 Chemical ChangesB3 Infection and ResponseTA1 | P4 Atomic StructureB5 Homeostasis and ResponseTA2 | P5 Forces | C5 Energy ChangesB6 InheritancePaper 1 Mock Exams | B6 InheritanceC6 Rate and Exchange | C7 OrganicC8 Chemical AnalysisPaper 1 Mock ExamsPart Paper 2 Mock |
| Year 114 lessons per week | P6 WavesB7 EcologyC9 Atmosphere | C10 ResourcesP7 MagnetismPaper 1 MockPaper 2 Mock | REVISION | REVISION | REVISION**Paper 1 Exams** | **Paper 2 Exams** |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | HT1 (7weeks)  | HT2 (8weeks)  | HT3 (6weeks)  | HT4 (5weeks)  | HT5 (5 weeks)  | HT6 (7weeks)  |
| Year 93 lessons per week | C1 Atomic StructureB1 CellsTA1 | P1 EnergyTA2 | C2 Bonding | B2 Organisation | P2 Electricity | C4 Chemical Changes TA4 |
| Year 103 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 InheritancePaper 1 Mock | P5 Forces | C7 Organic and C8 Chem AnalysisPaper 1 Mock ExamsPart Paper 2 Mock |
| Year 113 lessons per week | P6 and P7 Waves and Mag | B7 EcologyC9 AtmospherePaper 1 MockPaper 2 Mock | C10 ResourcesREVISION | REVISION | **REVISION****Paper 1 Exams** | **Paper 2 Exams** |