

**Year 7**

Subject: Science Subject Leader D Wilde

Curriculum and Assessment Progression Map

Holy Family

Catholic High School

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| **Key Learning Constructs to be developed over the academic year. – Core Knowledge** | **Scheme of Learning**  **Autumn Term** | **Scheme of Learning**  **Spring Term** | **Scheme of Learning**  **Summer Term** |
| BIOLOGY  Cells and Organisation  Reproduction  CHEMISTRY  The Particulate Nature of Matter  Atoms, Elements and Compounds  Chemical Reactions  PHYSICS  Energy Changes and Transfers  Changes in Systems  Forces  Space Physics | **Part 1**  **KEY SKILLS (Working Scientifically including lab skills)**  **Cells, Organs and Systems**  **Particle Model**  **Part 2**  **Particle Model**  **Energy** | **Part 3**  **Reproduction**  **Elements**  **Part 4**  **Elements**  **Forces** | **Part 5**  **Chemical Reactions**  **Space**  **Part 6**  **Space**  **Acids and Alkalis** |
| **Hinterland Knowledge** | Real examples of the APPLICATION of the content studied (eg how metals are extracted or case studies of ecosystems, historical events like the first IVF or the Hindenburg disaster) | Real examples of the APPLICATION of the content studied (eg how metals are extracted or case studies of ecosystems, historical events like the first IVF or the Hindenburg disaster) | Real examples of the APPLICATION of the content studied (eg how metals are extracted or historical events like the first IVF or the Hindenburg disaster) |
| **Assessment: -Formative Techniques**  **-Summative Pieces** | Use of whiteboards, hinge questions, recall tests and questions | | |
| End of topic tests | End of topic tests | End of topic tests and End of Year Assessment |
| **Key Vocabulary** | Key Scientific terminology appropriate to each topic studied | Key Scientific terminology appropriate to each topic studied | Key Scientific terminology appropriate to each topic studied |
| **Key Skills** | Working Scientifically - relevant mathematical techniques (percentages, mean, mode, median, graph plotting, simple equations and their rearrangement etc) | Working Scientifically - relevant mathematical techniques (percentages, mean, mode, median, graph plotting, simple equations and their rearrangement etc) | Working Scientifically - relevant mathematical techniques (percentages, mean, mode, median, graph plotting, simple equations and their rearrangement etc) |