

**Year 7**

Subject: Science Subject Leader D Wilde

Curriculum and Assessment Progression Map

Holy Family

Catholic High School

|  |  |  |  |
| --- | --- | --- | --- |
| **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 OrganisationReproductionCHEMISTRYThe Particulate Nature of MatterAtoms, Elements and CompoundsChemical ReactionsPHYSICSEnergy Changes and TransfersChanges in SystemsForcesSpace 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) |