



Holy Family  
Catholic High School  
**Year 7**

# Curriculum and Assessment Progression Map

Subject: Science

Subject Leader D Wilde

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
<p><b>BIOLOGY</b> Cells and Organisation Skeletal and Muscular Systems Relationships in an Ecosystem Variation and Evolution</p> <p><b>CHEMISTRY</b> The Particulate Nature of Matter Atoms, Elements and Compounds Pure and Impure Substances Earth and Atmosphere</p> <p><b>PHYSICS</b> Energy Changes and Transfers Changes in Systems Forces Space Physics</p>	<p><b>Part 1</b> <b>KEY SKILLS (Working Scientifically including lab skills)</b> <b>MATTER (Particle model and separating techniques)</b> <b>ENERGY (TYPES, Transfer, Work, Heating and Cooling)</b></p> <p><b>Part 2</b> <b>ORGANISMS (Movement and Cells)</b> <b>GENES(Variation, Human Reproduction, Evolution)</b> <b>FORCES (The Nature of Forces, Speed, and Acceleration, Gravity)</b></p>	<p><b>Part 3</b> CHEMICAL REACTIONS (Acids, Alkalis, Metals, and Non-Metals) ECOSYSTEMS (Plant and Bacterial Reproduction)</p> <p><b>Part 4</b> <b>Earth Structure (Rocks and the Limestone Cycle)</b></p>	<p><b>Part 5</b> <b>ECOSYSTEMS (Interdependence) SPACE</b></p> <p><b>Part 6</b> <b>REVISION FOR END OF YEAR ASSESSMENT CAREERS IN STEM FIELDWORK/VISITS</b></p>
<b>Hinterland Knowledge</b>	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 case studies of ecosystems, historical events like the first IVF or the Hindenburg disaster)
<b>Assessment: -Formative Techniques</b>	Use of whiteboards, hinge questions, recall tests and questions		
<b>-Summative Pieces</b>	End of topic tests	End of topic tests	End of topic tests and End of Year Assessment
<b>Key Vocabulary</b>	Key Scientific terminology appropriate to each topic studied	Key Scientific terminology appropriate to each topic studied	Key Scientific terminology appropriate to each topic studied

<b>Key Skills</b>	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)