



Science

Purpose	Principles	Expectations
<ul style="list-style-type: none">• Preparation for High School• Knowledge and understanding of the world• Cause and effect• Teaches logic/systematic working• Creating solutions to solve problems• Links to Maths, English• Influences everyone• Science changes our perception of the world• Promoting curiosity – how things work• Science is everywhere	<ul style="list-style-type: none">• Working scientifically• Investigative learning• Evidence based• Theories• Applying what you have learnt to prove/disprove• Interpreting/reading/using data to problem solve• Researching and being critical of findings• Reasoning/discussing/debating• Persevering despite 'failures'• Risk taking• Courage in own convictions• Developing predictions and conclusions	<ul style="list-style-type: none">• Progression of skills and vocabulary• Making links/connections using prior knowledge gained through previous years and key stages• Planning/implementing/evaluating• Using scientific equipment• Development of scientific language• Recording using scientific measurements with increasing accuracy• Justifying opinions using evidence• Making mistakes and learning from them• Asking questions and applying knowledge to a variety of contexts• Growing understanding of how our world works• Enquiring mind