

Aims and Rationale

Students will learn about the foundational aspects of science in Y7, which builds on their knowledge of science from KS2. In Y7 this includes study of living cells, the particle model of matter, and the fundamentals of forces and electricity. For each of their Biology, Chemistry and Physics topics, they will also develop a range of experimental skills by undertaking a collection of practical activities throughout the year, which complement the theoretical content. Pupils will also have a checklist for each topic below in their exercise books. The assigned descriptor is a balanced viewpoint of both content understood and practical skills demonstrated.

Curriculum Content		
Biology Cells Reproduction Food & Digestion Microbes 	 Chemistry Acids & Bases Particle Model Mixtures & Separating 	 Physics Forces Electricity Space

How we assess at Key Stage 3

At Hitchin Girls' School our curriculum is our progress model. Students benefit from a broad, diverse and challenging curriculum which increases in difficulty and challenge as students progress through the school. The expectation is that all students meet our curriculum at their relevant age range and as such meet the minimum of the secure descriptors below. Those working at an advancing level are working above, while those excelling are consistently working at a level far above their age range.



Year 7 Science - Curriculum Overview and KS3 Progress Descriptors 2023/24