



LOWER SCHOOL GRADE DESCRIPTORS

SCIENCE – Year 7 & 8

YEAR 7	4	Pupils should have covered the content in the Primary National Curriculum including some basic understanding of biological, chemical and physical processes and conducting a fair scientific test.
	5	<ul style="list-style-type: none">• The ability to collect experimental evidence and present data in a scientific manner, including results tables and graphs (bar and line).• The ability to interpret data to draw conclusions and can comment on the validity and reliability of evidence.• The ability to recognise, name and choose appropriate apparatus for practical activities.• An understanding of cell biology including the structure and function of specialised plant and animal cells, organisation in multicellular, different types and adaptations of unicellular organisms.• An understanding of how plants and humans are adapted to reproduce.• An understanding of the human digestive, breathing system and circulatory system.• An understanding of the particle model, applying it to changes in states of matter.• An understanding of what chemical reactions are.• An ability to begin writing basic chemical formulae.• An understanding of forces in relation to movement and speed.• An understanding of how energy is transferred.• A basic understanding of waves and moments.
YEAR 8	6	<ul style="list-style-type: none">• An understanding of the roles of skeleton and muscles in the human body.• An understanding of life processes in plants and relationships in ecosystems.• An understanding of the particle model and evaluating it.• The ability to explain different physical processes.• An understanding of the electronic structure of an atom.• The ability to write chemical formulae.• An understanding of electrostatics and magnetism.• An understanding of circuits and explaining the effect of different factors.