Band	Year 7	Year 8	Year 9
Higher	Have an **exceptional** knowledge of: - cells and movement within organisms - interdependence between living things and plant reproduction - types of variation and human reproduction - elements and the periodic table - different types of chemical reactions and chemical energy - the Earth's climate and resources, including human activities and their impact - forces through speed and gravity - exploring electricity through potential difference, resistance and current - explore energy costs and transfer identifying sound and light waves	Have an **exceptional** knowledge of: - breathing and digestion within organisms - respiration and photosynthesis within living things - evolution and inheritance of characteristics including the importance of preserving biodiversity - the particle model and how to separate mixtures - what acids and alkalis are; - how to distinguish metals and non-metals; - composition of the Earth and the Universe; - contact forces and pressure; - magnetism and electromagnets; - energy and work; - heating and cooling; - wave effects and wave properties	Have an exceptional knowledge and understanding of all areas of science assessed in Year 7 and 8, including how to apply it to other situations.
	Working scientifically: Have an **exceptional** ability to: Follow written instructions Select appropriate equipment and identify variables and how to control any control variables Complete a risk assessment and stay safe in science investigations Collect appropriate results and display them in a table with units Process results and draw appropriate graphs Complete a conclusion for an investigation and explain how to improve validity and reliability of any results		
Intermediate	Have a **sound** knowledge of - cells and movement within organisms - interdependence between living things and plant reproduction - types of variation and human reproduction - elements and the periodic table - different types of chemical reactions and chemical energy - the Earth's climate and resources, including human activities and their impact - forces through speed and gravity - exploring electricity through potential difference, resistance and current - explore energy costs and transfer identifying sound and light waves	Have a **sound** knowledge of - breathing and digestion within organisms - respiration and photosynthesis within living things - evolution and inheritance of characteristics including the importance of preserving biodiversity - the particle model and how to separate mixtures - what acids and alkalis are; - how to distinguish metals and non-metals; - composition of the Earth and the Universe; - contact forces and pressure; - magnetism and electromagnets; - energy and work; - heating and cooling; - wave effects and wave properties	Have a **sound** knowledge and understanding of all areas of science assessed in Year 7 and 8, including how to apply it to other situations.
	Working Scientifically: Have a **sound** ability to: Follow written instructions Select appropriate equipment and identify variables and how to control any control variables Complete a risk assessment and stay safe in science investigations Collect appropriate results and display them in a table with units Process results and draw appropriate graphs Complete a conclusion for an investigation and explain how to improve the validity and reliability of any results		

Foundation	Have a **basic** knowledge of - cells and movement within organisms - interdependence between living things and plant reproduction - types of variation and human reproduction - elements and the periodic table - different types of chemical reactions and chemical energy - the Earth's climate and resources, including human activities and their impact - forces through speed and gravity - exploring electricity through potential difference, resistance and current - explore energy costs and transfer identifying sound and light waves	Have a **basic** knowledge of - breathing and digestion within organisms - respiration and photosynthesis within living things - evolution and inheritance of characteristics including the importance of preserving biodiversity - the particle model and how to separate mixtures - what acids and alkalis are; - how to distinguish metals and non-metals; - composition of the Earth and the Universe; - contact forces and pressure; - magnetism and electromagnets; - energy and work; - heating and cooling; - wave effects and wave properties	Have a **basic** knowledge and understanding of all areas of science assessed in Year 7 and 8, including how to apply it to other situations.
	Working scientifically: Have a **basic** ability to: Follow written instructions with support Select appropriate equipment and identify variables with support Complete a risk assessment and stay safe in science investigations with support Collect appropriate results and display them in a table with units with support Process results and draw appropriate graphs with support Complete a conclusion for an investigation and explain how to improve validity and reliability of any results with support		