



Department:	Biology	
Year 9 Course Summary:		
<p>B1 – Cell structure and transport</p> <ul style="list-style-type: none"> • Microscopes • Eukaryotic and prokaryotic cells • Animal and plant cell structure • Specialised cell structure • Diffusion • Osmosis • Active Transport <p>B2 – Cell division</p> <ul style="list-style-type: none"> • Growth and differentiation • Cell cycle • Stem cells • Stem cell dilemmas 	<p>B3 – Organisation and the digestive system</p> <ul style="list-style-type: none"> • Tissues and organs • Human digestive system • Components of food • Enzymes • Factors affecting enzymes • Role of bile <p>B4 – Organising animals and plants</p> <ul style="list-style-type: none"> • Blood • Blood vessels • Heart structure • Breathing and gas exchange • Tissues and organs in plants • Xylem and Phloem • Transpiration 	<p>B16 – Adaptations, interdependence and competition</p> <ul style="list-style-type: none"> • Communities • Interdependence • Distribution and abundance • Competition in animals • Competition in plants • Adaptations in animals • Adaptations in plants <p>B5 – Communicable disease</p> <ul style="list-style-type: none"> • Health and disease • Pathogens • Applied Microbiology • Preventing infection • Viral diseases • Bacterial diseases • Fungi and protist diseases • Human defence systems • Plant diseases and defences
IST Assessments:		
Michaelmas	Lent	Summer
<p>B1 – Cells and Organisation</p> <p>B2 – Cell division</p> <p>Required Practical 1</p> <p>Required Practical 3</p>	<p>B3 – Organisation and the digestive system</p> <p>B4 – Organising animals and plants</p> <p>Required Practical 4</p> <p>Required Practical 5</p>	<p>B16 – Adaptations, interdependence and competition</p> <p>Required Practical 9</p> <p>Required Practical 2</p>