



Department:	Biology	
Year 9 Course Summary:		
<p>B1 – Cells and Organisation</p> <ul style="list-style-type: none"> • Microscopes • 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 	<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>B5 – Communicable disease</p> <ul style="list-style-type: none"> • Pathogens • Applied Microbiology • Preventing infection • Viral diseases • Bacterial diseases • Fungi and protist diseases • Human defence systems • Plant diseases <p>B6 – Preventing and treating disease</p> <ul style="list-style-type: none"> • Vaccination • Antibiotics • Painkillers • Discovering drugs • Developing drugs • Monoclonal antibodies
IST Assessments:		
Michaelmas	Lent	Summer
<p>B1 – Cells and Organisation</p> <p>B2 – Cell division</p> <p>Required Practical 1 and 2</p>	<p>B3 – Organisation and the digestive system</p> <p>B4 – Organising animals and plants</p> <p>Required Practical 3 and 4</p>	<p>B5 – Communicable disease</p> <p>B6 – Preventing and treating disease</p> <p>Required Practical 5</p>