

Subject	Year	Term
Science	10	1
Topic		
B2b Organisation (Disease & Enzymes)		
Content (Intent)		
<p>Prior Learning: KS3 national curriculum and 7B1 the basics of life; B2a – Heart and blood vessels.</p>		
<ul style="list-style-type: none"> • Non-communicable diseases • Cardiovascular disease • Treatments for heart conditions • Cancer • Enzyme function • How enzymes are affected by temperature & pH • The digestive system including digestive enzymes 		
Future Learning: KS4 national curriculum and topic B2a		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Demos: Digestive system structure and function.</p> <p>Practical work: Required practical 3 – enzymes & pH. Required practical 4 – food tests.</p> <p>Written: Notes and completed worksheets in exercise books. Questions answered for required practicals. Summary sheet & practice questions in final lesson.</p>	<p>- 2 x Standard Homework Tasks: Level given. Written feedback. Response expected.</p> <p>-1 x End of Topic Test: Level given. Verbal feedback to class and individuals.</p>	
How can parents help at home?		
<p>Look at B2b topic resources on the VLE and use the CGP KS4 Study Guide provided. Use appropriate YouTube channels [Cognito, PrimroseKitten, KhanAcademy, FuseSchool, AmoebaSisters, Freesciencelessons] Use BBC bitesize (GCSE combined science – trilogy) Take an interest! Be curious and ask your child about their learning.</p>		
Helpful further reading/discussion		
<p>Reading Horrible science series BBC– Incredible human journey How the body works. The facts simply explained</p>	<p>Vocabulary Lists <i>Heart, coronary arteries, atheroma, cancer, mitosis, enzyme, substrate, enzyme-substrate complex, activation energy, denatured, mouth, oesophagus, stomach, liver, gall bladder, pancreas, small intestine, large intestine, rectum, anus, carbohydrase, protease, lipase.</i></p>	<p>Careers Links Medicine (doctor/nurse/midwife) Physiotherapy Veterinary medicine Veterinary nursing Biologist Biochemist Biomedical scientist</p>