



Curriculum Plan Level 3 BTEC Science Year 13
2016

Autumn Term	Spring Term	Summer Term
<p><u>Unit 11 Physiology of Human Body Systems</u></p> <p>11.1 Organisation within the human body</p> <ul style="list-style-type: none"> Levels of organisation in the body <p>11.2 The circulatory system</p> <ul style="list-style-type: none"> Be able to relate the structure of the circulatory system to its function in a multi-cellular organism <p>11.3 The respiratory system</p> <ul style="list-style-type: none"> Be able to relate the structure of the respiratory system to its function 	<p><u>Unit 15 Microbiological techniques</u></p> <p>15.1 Akaryotes, prokaryotic and eukaryotic cells</p> <ul style="list-style-type: none"> Be able to identify the characteristic features and functions of akaryotes, prokaryotic and eukaryotic cells <p>15.2 Culturing microorganisms</p> <ul style="list-style-type: none"> Be able to use aseptic techniques to culture microorganisms 	<p><u>Unit 18 Genetics and Genetic Engineering</u></p> <p>18.1 Nucleic acid and protein synthesis</p> <ul style="list-style-type: none"> Understand the process of protein synthesis <p>18.2 Cell division in eukaryotic cells</p> <ul style="list-style-type: none"> Be able to investigate the process of cell division in eukaryotic cells
<p>HALF TERM</p>		

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<p>11.4 The digestive system</p> <ul style="list-style-type: none">• Be able to relate the structure of the digestive system to its function <p>11.5 The lymphatic system</p> <ul style="list-style-type: none">• Understand the immunological function of the lymphatic system	<p>15.3 Factors that influence the growth of microorganisms</p> <ul style="list-style-type: none">• Be able to determine the factors that influence the growth of microorganisms <p>15.4 Identifying microorganisms</p> <ul style="list-style-type: none">• Know how to identify microorganisms	<p>18.3 Mendelian genetics</p> <ul style="list-style-type: none">• Understand the principles of Mendelian genetics <p>18.4 DNA technology</p> <ul style="list-style-type: none">• Be able to apply basic techniques of DNA technology
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