

Biology Key Stage Five Curriculum – Carre’s Grammar School

| Subject | | | | | | |
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| | Autumn 1 | Autumn 2 | Spring 3 | Spring 4 | Summer 5 | Summer 6 |
| Year 12 | Biological molecules and cells & transport, protein synthesis <ul style="list-style-type: none"> • Carbohydrates, lipids, proteins • Enzymes • RNA & DNA • Energy & ATP • Water & inorganic ions • Microscopy • Cell structure • Transport across cell membranes • Protein synthesis | | Enzymes, protein synthesis, immunity, exchange <ul style="list-style-type: none"> • Transport across membranes • Enzymes • Protein synthesis • Immunity • Enzymes and digestion • Respiratory system in mammals and fish | | Exchange, genetic diversity, mass transport <ul style="list-style-type: none"> • Respiratory system in mammals and fish • Mass transport in plants • Circulatory system • Biodiversity • Energy and ecosystems • photosynthesis • Investigating populations • genetics | |
| | Assessment End of topic tests | | Assessment Mock examination End of topic tests | | Assessment End of topic tests | |
| Year 13 | Bioenergetics, genetics and reproduction, control of gene expression, homeostasis, nervous coordination and muscles <ul style="list-style-type: none"> • photosynthesis • respiration • genetics – monohybrid and dihybrid crosses • Hardy Weinberg calculations • Gene expression • Homeostasis • Nervous coordination, • Muscles, • hormones | | Nervous coordination, hormones, Required practical & essay writing focus <ul style="list-style-type: none"> • Nervous coordination • Hormonal control • RP's • Synoptic skills • Essay writing skills | | Revision <ul style="list-style-type: none"> • Paper 1 • Paper 2 • Paper 3 | |
| | Assessment Mock examination End of topic tests | | Assessment Past papers | | Assessment GCSE examinations (May/June) | |