



Network School KS4 Long Term Curriculum Plan

Subject: Co-ordinated Science 2016/2017 YEAR 11				
Year Group	Term 1 (Aug – Oct)	Term 2 (Oct – Dec)	Term 3 (Jan – Mar)	Term 4 (Mar – Jun)
Biology	B7. Co-ordination and response 7.1 Nervous control in humans 7.2 Hormones 7.3 Tropic responses 7.4 Homeostasis B8. Reproduction 8.1 Asexual and sexual reproduction 8.2 Sexual reproduction in plants 8.3 Sexual reproduction in humans	B9. Inheritance 9.1 Chromosomes and genes 9.2 Cell division 9.3 Monohybrid Inheritance 9.4 Variation and Selection B10. Energy flow in ecosystems	B.11 Human influences on the environment	Exam preparation
Chemistry	C9. The Periodic Table 9.1 Periodic Trends 9.2 Group Properties 9.3 Transition Elements 9.4 Noble Gases C10. Metals 10.1 Properties of Metals 10.2 Reactivity Series	10.3 Extraction of Metals 10.4 Uses of Metals C11. Air and Water C12. Sulfur C13. Carbonates	C14. Organic Chemistry 14.1 Fuels 14.2 Introduction to Organic Compounds 14.3 Hydrocarbons 14.4 Alcohols 14.5 Macromolecules 14.6 Synthetic polymers 14.7 Natural macromolecules	Exam preparation
Physics	P6. Transfer of thermal energy 6.1 Conduction 6.2 Convection 6.3 Radiation 6.4 Consequences of energy transfer P8. Light 8.1 Reflection of light 8.2 Refraction of light	P9. Electromagnetic Spectrum P10. Sound P11. Magnetism P12. Electricity 12.1 Electrical Quantities 12.2 Electric Charge 12.3 Current, electromotive and potential difference	P14. Electromagnetic induction 14.2 a.c. Generator 14.3 Transformer 14.4 The magnetic effect of a current 14.5 Force on a current-carrying conductor 14.6 d.c. motor P15 Radioactivity	Exam preparation



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	8.3 Thin converging lens 8.4 Dispersion of light	12.4 Resistance 12.5 Electrical Energy 12.6 Dangers of electricity P13. Electric circuits 13.1 Circuit Diagrams 13.2 Series and Parallel circuits 13.3 Action and use of circuit components	15.1 Detection of radioactivity 15.2 Characteristic of the tree kinds of emission 15.3 Radioactive decay 15.4 Half-life 15.5 Safety Precautions 15.6 The Nuclear Atom 15.7 Isotopes	
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