



Science - Biology

Key Stage 4 - Year 10 – Combined Science

Term One	Term Two	Term Three
Respiration & Photosynthesis	Communicable Disease	Developing Drug & Non-Communicable Disease
<ul style="list-style-type: none"> Heart and Blood Vessels Review Heart and CHD Review Treating the Heart Gas Exchange Review Aerobic Respiration Anaerobic Respiration and Exercise Metabolism and Anaerobic Respiration in Plants Investigating Respiration Linking Respiration to the Heart 	<ul style="list-style-type: none"> Transpiration Factors Affecting Transpiration Potometers Types of Pathogens Primary Defence to Disease White Blood Cell Response 	<ul style="list-style-type: none"> Vaccines Treating Disease with Medications Discovery of New Drugs Developing New Drugs Cancer Risk Factors Non-Communicable Disease
Organisation in Plants		Homeostasis
<ul style="list-style-type: none"> Structure of the Leaf Photosynthesis Factors Affecting Photosynthesis Speeding Up Photosynthesis Uses of Glucose Organisation in Plants 		<ul style="list-style-type: none"> Principles of Homeostasis Nervous Response Reflex Response Synapses Introduction to the Endocrine System Glucoregulation Diabetes Treating Diabetes

Science - Biology



KING EDWARD VI
SCHOOL LICHFIELD

Key Stage 4 - Year 11 – Combined Science

Term One	Term Two	Term Three
Homeostasis	Evolution, Selective Breeding and Genetic Engineering	Cycles in Biology & The Earth's Resources
<ul style="list-style-type: none"> • Hormones in Puberty • Menstrual Cycle • Contraceptives • Fertility Treatments 	<ul style="list-style-type: none"> • Evolution • Selective Breeding • Genetic Engineering • Uses of GM • Fossils as Evidence for Evolution • Extinction • Antibiotic Resistance • Classification 	<ul style="list-style-type: none"> • Carbon and Water Cycle Biodiversity • Global Warming and Deforestation • Land Uses & Waste Management
Reproduction & Inheritance	Ecosystems	Exams
<ul style="list-style-type: none"> • Asexual and Sexual Reproduction • Meiosis • DNA and the Genome • Genetic Inheritance (sex) • Genetic Inheritance (disease) • Genetic Screening 	<ul style="list-style-type: none"> • Animal and Plant Adaptations • Levels of Organisation in Ecosystems • Factors Affecting Ecosystems 	<ul style="list-style-type: none"> • Revision and exams