HIGHFIELDS SCHOOL



CURRICULUM OVERVIEW 2023-2024

SUBJECT: COSE BIOLOGY EXAMINATION BOARD: OCP

SUBJECT: GCSE BIOLOGY EXAMINATION BOARD: OCR		
AUTUMN TERM - YEAR 9	SPRING TERM - YEAR 9	SUMMER TERM - YEAR 9
Classes will take a differenti	ated route through the Year 9 curriculum with work targe	ted at Foundation and Higher level.
B1: Cell level systems B1.1 - Cell structures B1.2 - What happens in cells (and what cells need)? B1.3 - Respiration B1.4 - Photosynthesis Potential Practical Activities Microscopy Enzyme Investigations Fermentation Investigation Aerobic Exercise Investigations Photosynthesis Investigations	B1: Cell level systems Revision B2: Scaling up B2.1 - Supplying the cell Potential Practical Activities Photosynthesis Investigations Osmosis Investigations Specialised cells and mitosis microscopy	B2: Scaling up B2: Scaling up B3: Organism level systems B3: Coordination and control – the nervous system Potential Practical Activities Demonstration of heart structure Investigating of reaction times by ruler drop
B1.1 Cell structures B1.2 What happens in cells? B1.3 Respiration	 ASSESSMENT B1.4 Photosynthesis B1 module assessment B2.1 Supplying the cell 	 ASSESSMENT B2.2 Challenges of size B2 module assessment Year 9 end of year exam (B1 + B2)

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CURRICULUM OVERVIEW 2023-2024

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AUTUMN TERM - YEAR 10	SPRING TERM - YEAR 10	SUMMER TERM - YEAR 10
B3: Organism level systems B3.2 - Coordination and control - the endocrine system B3.3 - Maintaining internal environments B4: Community level systems B4.1 - Ecosystems Potential Practical Activities Investigation into heat loss from plasticine shapes Investigating leaf size and light intensity	B4: Community level systems B4.1 – Ecosystems Potential Practical Activities Investigating the rate of decay	B5: Genes, inheritance and selection B5.1 - Inheritance B5.2 - Natural selection and evolution B6.1 - Monitoring and maintaining the environment B6.2 - Feeding the human race Potential Practical Activities Investigating variation Model of Meiosis Investigation of ecological sampling methods
 ASSESSMENT B3.2 The endocrine system B3.3 Maintaining internal environments B3 module examination 	B4 module assessment	 ASSESSMENT B5.1 Inheritance B5.2 Natural selection and evolution End of school exams (B1 – B3)
AUTUMN TERM - YEAR 11	SPRING TERM - YEAR 11	SUMMER TERM - YEAR 11
B6: Global challenges B6.2 - Feeding the human race B6.3 - Monitoring and maintaining health Potential Practical Activities Investigation into growth bacterial cultures using aseptic techniques	B6: Global challenges B6: B6: A challenges B6:	Revision and intervention - Topics B1 to B6
B6.2 Feeding the human race Mock examination B1-B3	B6.3 Monitoring and maintaining health Mock examination B4-B6	ASSESSMENT Final GSCE Examinations • B1 to B3 and B7 • B4 to B6 and B7