

HIGHER BIOLOGY SCHEME OF WORK

TERM 1 (Aug 13th – Nov 14th 2020)

Weeks	Course Outline
Week 1 (August 13 -15)	Revision of National 5 Biology ; Cell Biology, Multicellular Organisms, adaptation and sustainability.
Week 2 (Aug 17 -22)	Introduction to unit 1 : DNA AND GENOMES . Structure and Organisation of DNA
Week 3 (Aug 24 - 29)	Replication of DNA
Week 4 (Aug 31 – Sep 5)	Replication of DNA
Week 5 (Sep 7 – Sep 12)	Gene Expression
Week 6 (Sep 14 – 19)	Differentiation in Multicellular
Week 7 (Sep 21 – 26)	Differentiation in Multicellular Organisms
Week 8 (Sep 28 – Oct 3)	Structure of the Genome
Week 9 (Oct 5 - 10)	Mutations

Week 10 (Oct 12 – 17)	MID-TERM HOLIDAY
Week 11 (Oct 19 – 24)	ASSESSMENT OF HALF TERM WORK Solution to the assessment and Revision of past questions. Evolution
Week 12 (Oct 26 – 31)	Evolution
Week 13 (Nov 2 – 7)	Evolution
Week 14 (Nov 9 - 14)	Genomic Sequencing
Nov 14 - 15	END OF TERM 1

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TERM 2 (Nov 16th 2020 – Feb 27th 2021)

Week 1 (Nov 16 – 21)	INTRODUCTION TO UNIT 2 : METABOLISM FOR SURVIVAL Introduction to Metabolic Pathways
Week 2 (Nov 23 – 28)	Control of Metabolic Pathways
Week 3 (Nov 30 – Dec 5)	Control of Metabolic pathways
Week 4 (Dec 7 – 12)	Cellular Respiration
Week 5 (Dec 14 -19)	Assessment of Topics taught. Revision of past papers on the topics
Week 6 (Dec 21 – 23)	Metabolic Rate
Week 6 - 7 (Dec 24 – Jan 5)	WINTER BREAK
Week 8 (Jan 6 – 9)	Metabolic rate
Week 9 (Jan 11 – 16)	Metabolism in Conformers and regulators
Week 10 (Jan 18 – 23)	Maintaining metabolism
Week 11 (Jan 25 – 30)	Environmental control of metabolism
Week 12 (Feb 1 – 5)	Environmental control of metabolism
Feb (6 – 9)	MID-TERM HOLIDAY

Week 13 (Feb 10 -13)	ASSESSMENT OF HALF TERM WORK Solution to the assessment Revision of half term work
Week 14 (Feb 15 -20)	Genetic control of metabolism
Week 15 (Feb 22 – 27)	Ethical Considerations
	END OF TERM 2

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TERM 3 (March 1st – June 26th 2021)

Week 1 (March 1- 6)	Revision of past questions unit 1 and 2
Week 2 (March 8 - 13)	INTRODUCTION TO UNIT 3 : SUSTAINABILITY AND INTERDEPENDENCE
Week 3 (March 15 - 20)	Food Supply
Week 4 (March 22 - 27)	Plant Growth and productivity
Week 5 (March 29 – April 1st)	Plant Growth and Productivity
Week 5 - 7 (April 2– 17)	APRIL HOLIDAY
Week 8 (April 19 - 24)	Plant and Animal Breeding
Week 9 (April 26 – May 1)	Crop Protection
Week 10 (May 3 - 8)	MAY DAY, RAMADHAN/EID HOLIDAY
Week 11 (May 10 - 15)	RAMADHAN/EID HOLIDAY
Week 12 (May 17 – 22)	Animal Welfare

Week 13 (May 24 -29)	Symbiosis
May 28 th – May 31 st , 2021	MID-TERM HOLIDAY
Week 14 (May 31 – June 5)	Assessment and revision of past questions
Week 15 (June 7 – 12)	Social Behaviour
Week 16 (June 14 – 19)	Mass Extinction and regaining biodiversity Measuring Biodiversity
Week 17 (June 21 – 26)	Threats to Biodiversity Revision of Unit 1-3 Topics
	END OF TERM 3