Curriculum Links for A Question of Taste Workshop

AQA GCE Biology

AS level

Unit 2 BIOL2 - The variety of living organisms	
3.2.1	Living organisms vary and this variation is influenced by genetic and environmental factors • Causes of variation
3.2.2	DNA is an information-carrying molecule. Its sequence of bases determines the structure of proteins, including enzymes. • Structure of DNA • Genes and polypeptides
3.2.3	Similarities & differences in DNA result in genetic diversity • Genetic diversity
3.2.5	During the cells cycle, genetic information is copied and passed to genetically identical daughter cells • Replication of DNA
3.2.9	Originally, classification systems were based on observable features but more recent approaches draw on a wider range of evidence to clarify relationships between organisms • Genetic comparisons • DNA • Proteins

A2 Level

Unit 4 BIOL4 - Populations and environment	
3.4.8	Genetic variation within a species and genetic isolation leads to the accumulation of different genetic information in populations and the potential formation of new species • Inheritance • Selection
Unit 5 BIOL5 - Control in cells and organisms	
3.5.6	The sequence of bases in DNA determines the structure of proteins, including enzymes • Gene mutation
3.5.8	Gene cloning technologies allow study and alteration of gene function in order to better understand function and to design new industrial and medical processes • Gene cloning and transfer • Medical diagnosis • Genetic fingerprinting

AQA GCE Human Biology

AS level

Unit 2 HB102- Humans - their origins & adaptations	
3.2.1	The information of Life • Nucleic acids - the keys to life • Semi conservative replication of DNA
3.2.3	Where we fit in the world and how we came to be here • What's in a name • Theories of Lamarck and Darwin
3.2.4	Adaptations to a way of Life • Humans have evolved adaptations that increase survival

A2 Level

Unit 4 HBIO4 - Bodies & Cells in and out of control	
3.4.2	Growing up, growing old and passing on your genes • Genetic counselling and Mendelian inheritance • Where variation comes from
3.4.3	The management structure of cells • DNA and protein synthesis
3.4.4	New genes for old • Recombinant DNA
Unit 5 HBIO5 - The air we breathe, the water we drink, the food we eat	
3.5.1	Human impacts on evolution • Evolution

OCR GCE Biology

AS Level

Unit F212 - Molecules, biodiversity, food and health	
Module 1	Biological Molecules • 2.1.2 Nucleic acids
Module 3	Biodiversity and evolution • 2.3.3 Evolution

A2 Level

Unit F215 - Control, genomes and environment	
Module 1	Cellular control and variation • 5.1.1 Cellular control • 5.1.2 Meiosis and variation
Module 2	Biotechnology and gene technologies • 5.2.3 Genomes and gene technologies

OCR GCE Human Biology

AS Level

Unit F222 - Growth, development and disease	
Module 1	The developing cell • 2.1.1 Mitosis as part of the cell cycle

A2 Level

Unit F225 - Genetics, control and ageing	
Module 1	Genetics in the 21st century • 5.1.1 Inheritance of human genetic disease • 5.1.2 Genetic techniques

Edexcel GCE Biology

AS Level

Unit 1 - Lifestyle, transport, genes & health	
1.4	Topic 2: Genes and health
Unit 2 - Development, plants and the environment	
2.1	Topic 3: The voice of the genome
Unit 3 - Practical biology and research skills	
9.2	Part 2: visit Students write a report on a visit to a site of biological interest

A2 Level

Unit 4 - The natural environment and species survival	
3.4	Topic 6: Infection, immunity and forensics

WJEC GCE Biology

AS Level

Unit BY1 - Basic biochemistry and cell structure	
1.6	Nucleic acids
Unit BY2 - Biodiversity and physiology of body systems	
2.1	All organisms are related through their evolutionary history

A Level

Unit BY5 - Environment, genetics & evolution	
5.1	The genetic code and cell function
5.4	Inheritance
5.5	Variation & evolution
5.6	Applications of reproduction & genetics

WJEC GCE Human Biology

AS Level

Unit BY1 - Basic biochemistry and cell structure	
1.6	Nucleic acids
Unit HB2 - Biodiversity and physiology of body systems	
2.1	All organisms are related through their evolutionary history

A Level

Unit BY5 - Environment, genetics & evolution	
5.1	The genetic code and cell function
5.4	Inheritance
5.5	Variation & evolution
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Higher Biology

Unit 1: Cell Biology	
d) Synthesis and release of proteins	(ii) DNA: structure
Unit 2: Genetics and Adaptation	
b) Selection and speciation	1 Natural selection

Advanced Higher Biology

Unit: Cell and Molecular Biology	
b) Structure and function of cell components	(iv) Nucleic Acids , Structure of DNA
d) Applications of DNA technology	(i) The human genome project (iii) Forensic uses

Higher Human Biology

Unit 1: Cell Function & Inheritance	
b) Protein synthesis	2 (i) DNA structure
f) Inheritance	1 Chromosomes as vehicles of inheritance 2 Monohybrid inheritance 3 Mutations & chromosome abnormalities