

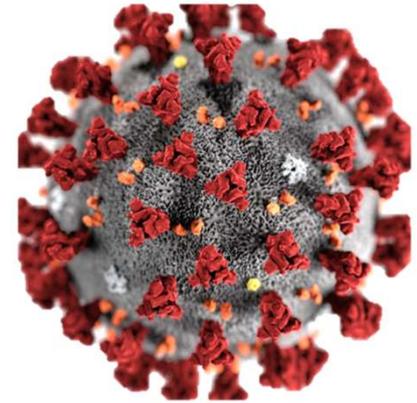


A Level

Biology



Why choose Biology?

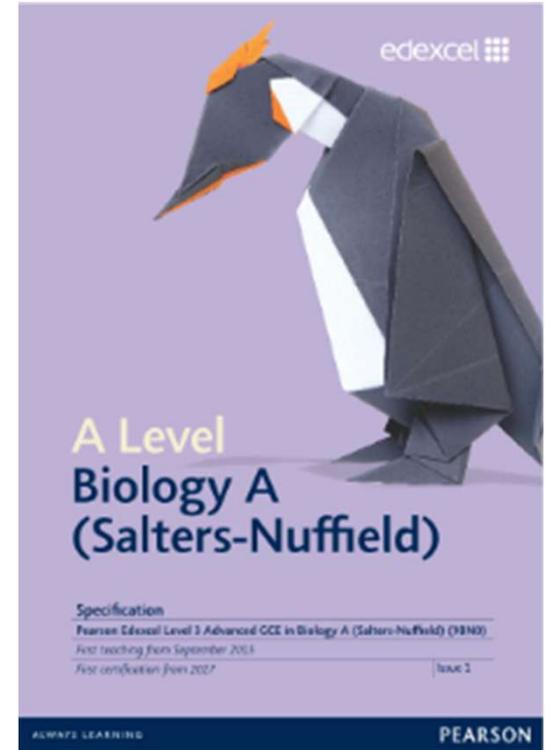


A-LEVEL BIOLOGY IS A BROAD AND FASCINATING SUBJECT, COVERING A RANGE OF TOPICS FROM THE BIOCHEMISTRY OF LIFE UP TO HOW ORGANISMS INTERACT IN THEIR HABITAT AND HOW THEY CAN BE CONSERVED.



Course Overview

- Edexcel A- Level Biology A:
 - Topic 1: Lifestyle, Health and Risk
 - Topic 2: Genes and Health
 - Topic 3: Voice of the Genome
 - Topic 4: Biodiversity and Natural Resources
 - Topic 5: On the Wild Side
 - Topic 6: Immunity, Infection and Forensics
 - Topic 7: Run for your Life
 - Topic 8: Grey Matter.



Possible careers

Research scientist Biologist Doctor Nurse Forensic scientist Ecologist
 Farmer Athlete Nutritionist Sports scientist Personal trainer
 Biochemical engineer Civil Engineer Paramedic CSI Police officer
 and many more!!

Higher education— Degree courses at universities.

Other post 18 options—Sponsored degrees, further education college courses?

Work - You might want to try and find a Traineeship, apprenticeship (such as an Intermediate Apprenticeship), a job with training or a part-time job.



**TOPIC 8:
GREY MATTER.**

Exams!

**TOPIC 7:
RUN FOR YOUR LIFE**

**TOPIC 4:
BIODIVERSITY AND NATURAL RESOURCES**

**TOPIC 5:
ON THE WILD SIDE**

YEAR
13

Kew
Royal Botanic Gardens

**TOPIC 6:
IMMUNITY, INFECTION AND FORENSICS.**

**TOPIC 3:
VOICE OF THE GENOME**

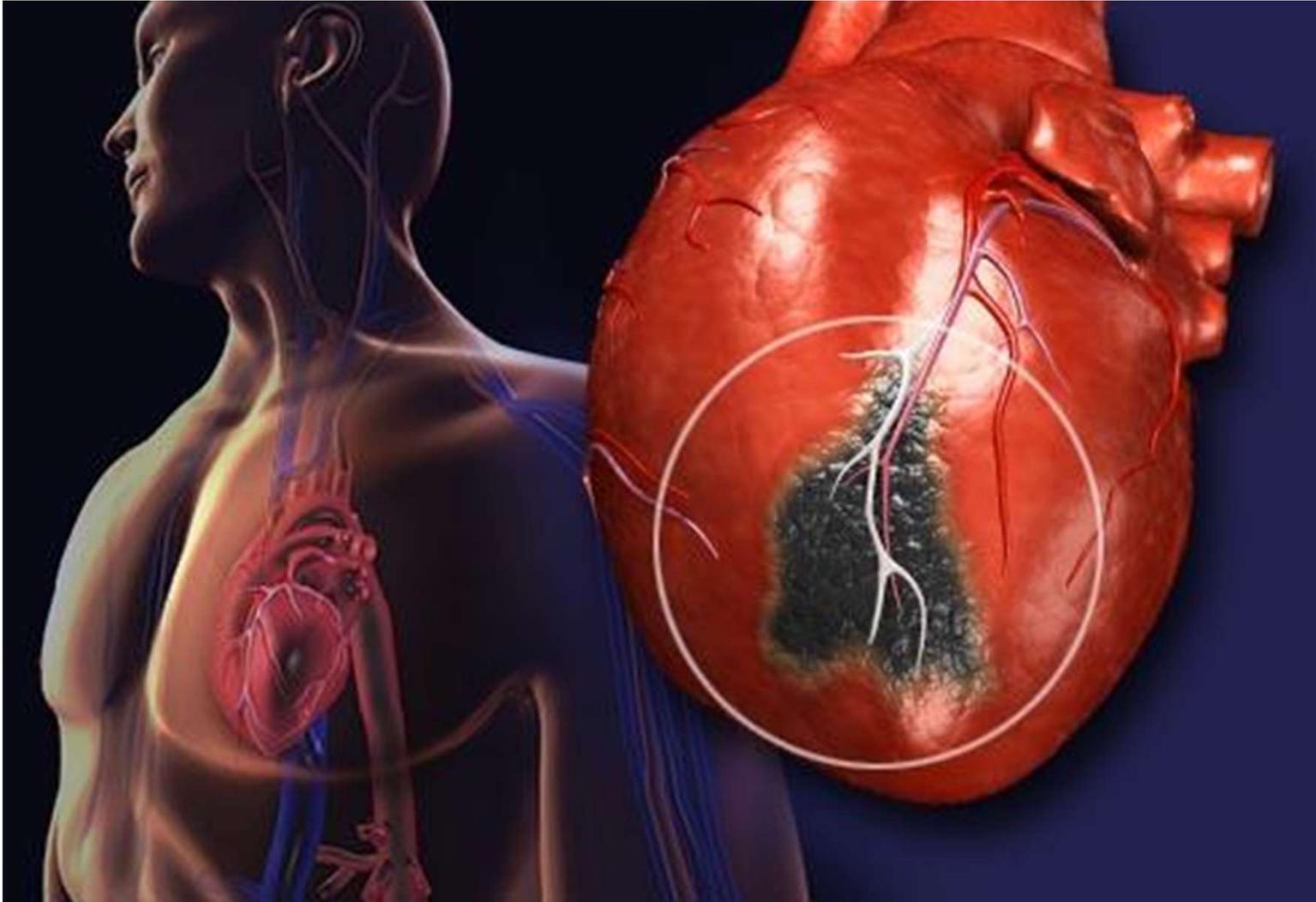
**TOPIC 2:
GENES AND HEALTH**

12

Exams!

**TOPIC 1:
LIFESTYLE, HEALTH AND RISK**

Topic 1: LIFESTYLE, HEALTH AND RISK

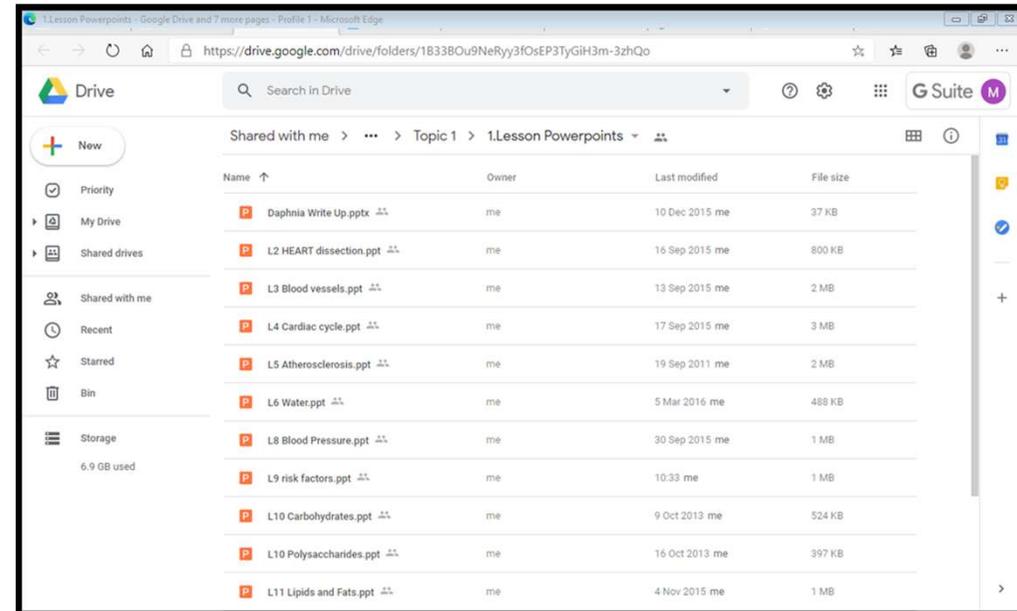
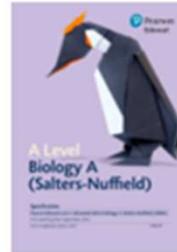




A Level Biology EDEXCEL SNAB 2015 Specification

Topic 1: Lifestyle, health & risk - Lesson Index

Lesson No	Title	Class notes	Study notes	Text pages	Complete questions to test knowledge
1	Heart structure			9	
2	Blood Vessels			10-11	
3	Cardiac Cycle			12-3	
4	Atherosclerosis			14-17	
5	Circulatory Systems			6-7	
6	Water			8	
7	Estimating risk (Maths)			18-21	
8	Blood Pressure			27-29	
9	Risk factors			22-26 & 43-47	
10	Carbohydrates			30-35	
11	Immobilised enzymes			33	
12	Lipids			36-37	
13	Cholesterol			37 & 42-43	
14	Energy budget (Maths)			38-39	
15	Obesity indicators (Maths)			40-41	
16	Studies			22-25	
17	How does Caffeine affect heart rate (Core Prac)			-	
18	Antioxidants (Core prac)			-	
19	Treatments			48-53	



Assessment

Exam 1 Natural environment and species survival

- Topics 1-6
- 100 marks

Exam 2 Energy, Exercise and Coordination

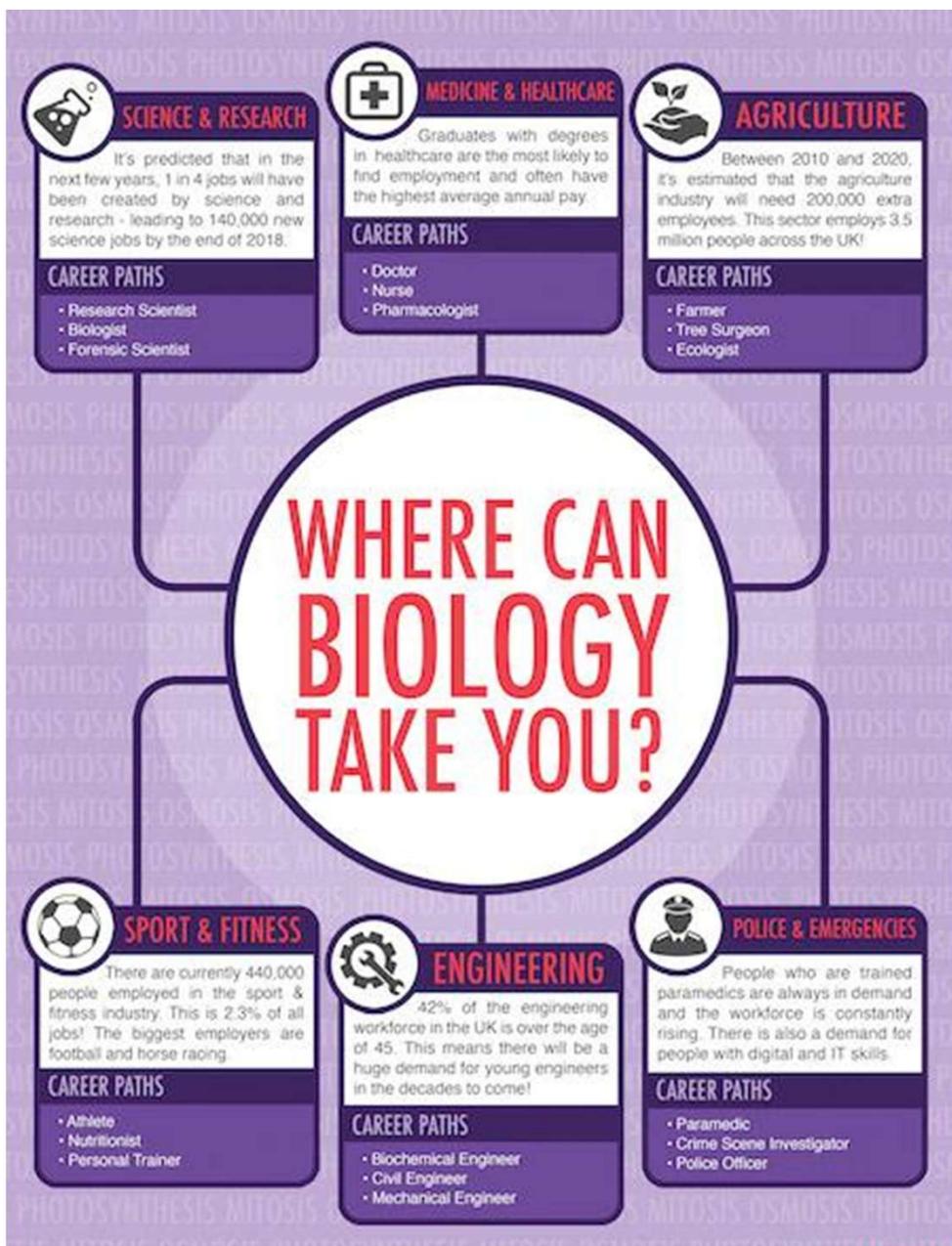
- Topic 1-4 and 7+8
- 100 marks

Exam 3 General and practical applications in Biology

- Topics 1-8
- 100 marks
- Pre-release article to underpin one section of the paper

All papers are worth 100 marks each and carry equal weighting for the overall grade

A minimum of 10% of the marks across all three papers will be awarded for mathematics



RPS Biology Leavers

Chemistry
Biochemistry
Medicine
Mathematics
Biology
Dentistry
Veterinary Medicine
Environmental Sciences
Midwifery
Engineering
Economics & Maths
Psychology
Geography

University of Oxford
University of Cambridge
University of Warwick
University College London (UCL)
Royal Veterinary College London
University of St Andrews
University of Sheffield
University of Liverpool
University of Glasgow
University of Nottingham
Queen's University Belfast

2025 A Level results



29% A*/A (5A*s)

58% A*-B

75% A*-C

Entry requirements

Minimum of GCSE grade 6 in Biology

or

Minimum of GCSE grade 6,6 in Combined Science

and Minimum of GCSE grade 6 in Maths

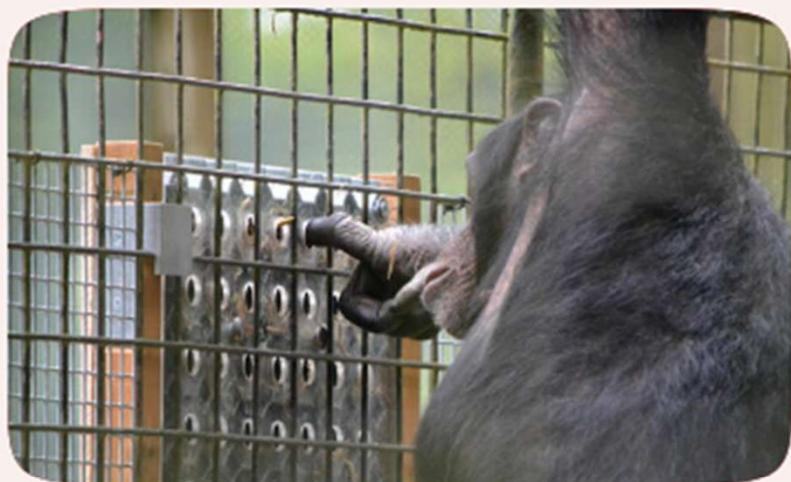
and Minimum of GCSE grade 5 in English Language



WHIPSNADE ZOO

a ZSL conservation zoo

Our workshops



ASSESSING ANIMAL INTELLIGENCE

KS5 Animal Behaviour – Chimpanzee Case Study

Discover how we use the science of learning behaviours to benefit animal welfare at the zoo and will carry out a behaviour study of a member of our chimp troop.



EXPLORE HOW ZOOS HAVE CHANGED OVER THE LAST TWO CENTURIES

KS5 Role of the Modern Zoo



Using Whipsnade as a case study, students will discover how zoos are working to protect wildlife all around the world and bring species back from the brink of extinction.



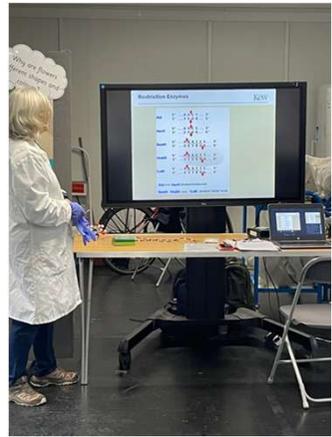


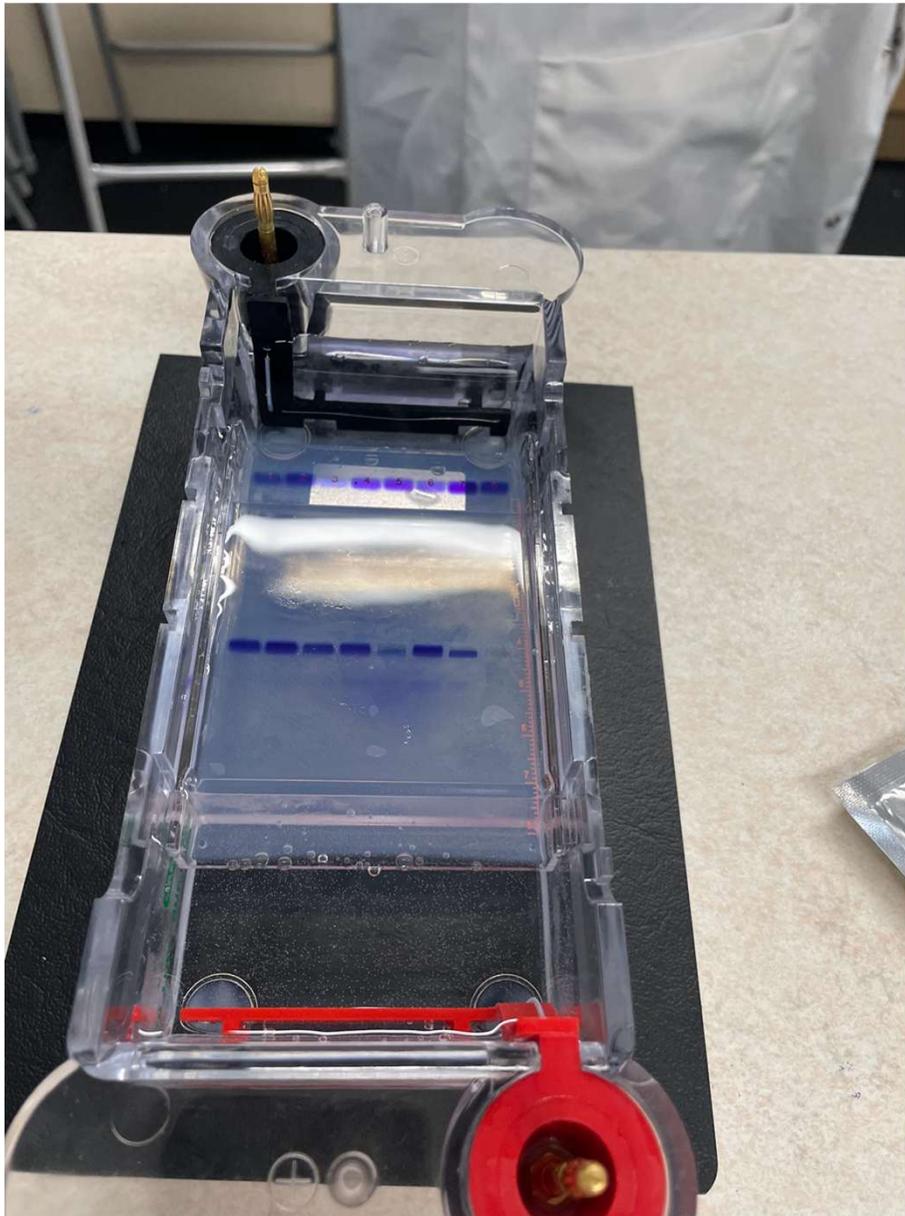
















Biology



For more information please contact

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