



Edgbarrow School
Year 10
Science - GCSE Separate Sciences



Curriculum Intent

Our students will experience the nature of scientific processes through scientific enquiry and develop an understanding of the world we live in.

○ What am I studying this year and how and when will I be assessed?

Knowledge & Skills	Term	Assessment	Homework
BIOLOGY: Movement of substances; Organisation; Non-communicable diseases; Photosynthesis (Chapters B1b, B4, B7, B8) CHEMISTRY: Structure and bonding; Chemical calculations; Chemical changes; Energy changes (Chapters C3, C4, C5, C7) PHYSICS: Energy transfer by heating; Electric circuits; Molecules and matter; Forces in balance; Motion (Chapters P2, P4, P6, P8, P9)	Autumn	End of chapter test at the end of each topic.	Minimum of one piece per fortnight per teacher of each class. Approx. 30 – 40 minutes per task
BIOLOGY: Cell division; The human nervous system; Variation & evolution; Reproduction (Chapters B2, B10, B14, B13) CHEMISTRY: Electrolysis; Crude oil and fuels; The Earth's atmosphere (Chapters C6, C9, C13) PHYSICS: Wave properties; Electromagnetism; Space (Chapters P12, P15, P16)	Spring	Internal Biology, Chemistry and Physics Assessments	
BIOLOGY: Hormonal co-ordination; Homeostasis in action; Genetics & evolution (Chapters B11, B12, B15) CHEMISTRY: Rates and equilibrium; Chemical analysis (Chapters C8, C12) PHYSICS: Energy resources; Electricity in the home (Chapters P3, P5)	Summer	Internal Biology, Chemistry and Physics Assessments	

Internal exams:

Late Jan/early Feb 2024

3 x written papers with content on topics covered to date (including GCSE topics covered in Y9)

Internal exams:

Mid June 2024

3 x written papers with content on topics covered to date (including GCSE topics covered in Y9)

You can use your exercise books, Kerboodle, revision guides & BBC Bitesize to revise.

<https://www.kerboodle.com/app> (institution code: dl3) AQA GCSE Sciences Combined Trilogy textbooks

Marking for Literacy

(Longer answers and written work will be marked for at least one of the below. Your teachers will tell you which.)

Sp – Spelling mistake of key term

// - Needed new paragraph

C – Capital letter missing

P – Punctuation needed

Expr – Expression

Students will demonstrate pride in their work by:

- Presenting information clearly and neatly to aid learning
- Using a title and date for all work including homework
- Underlining all dates and titles using a ruler
- Writing in blue or black pen
- Completing drawings and diagrams in pencil
- Glue in sheets flat and in order
- Annotating work and making corrections in coloured pens
- Crossing out mistakes neatly with a line
- Highlighting key words and concepts