



Chauncy School - KS4 Science

Biology GCSE, Chemistry GCSE and Physics GCSE



A level Sciences – Biology, Chemistry and Physics
(Need grade 6 and above and grade 6 in Maths)

BTEC Applied Science
(Need Grade 5 in Science)

Other post 16 options – Apprenticeships, other A level subjects, other BTEC subjects, other training, College?

May / June End of year exams!!
Including 4 Science papers
1 hour and 45mins each, 2 for Biology and 2 for Physics

2 mock papers taken during February mock period

1 mock papers during December

Revision period from mocks until exams start, with diagnosis and therapy from mock results and analysis

Permanent and induced magnets



P7 Magnetism and electromagnetism

Transverse and longitudinal waves

P6 Waves



The motor effect

Organisation of an ecosystem

Biodiversity and human interaction

Adaptations

Scalars and vectors

Forces and motion



Classification



Momentum



Variation and evolution



Interactions of forces



P5 Forces

Competition



B7 Ecology

Hormonal control in humans



B5 Homeostasis and response



Homeostasis

B4 Bioenergetics

Photosynthesis



Production of food



Communicable diseases



Response to exercise



Discovery and development of drugs



YEAR 11

GCSE Chemistry 2 x 1 hour 45min papers May and June

Series and parallel circuits

Life cycle assessments and recycling



C10 Using resources

Greenhouse gases



Evolution of the Earth's atmosphere



C9 Chemistry of the atmosphere

Atmospheric pollutants



Potable water



Domestic uses and safety



P2 Electricity

Current, potential difference and resistance



B3 Infection and response

Human defence systems and vaccination



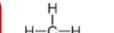
Purity and formulations

C8 Chemical analysis

Chromatography



C7 Organic Chemistry



Reversible reactions and dynamic equilibrium



1 Mole



Exothermic and endothermic reactions



C3 Quantitative Chemistry

Electrolysis

C4 Chemical Changes

Reactivity of metals

C6 The Rate and Extent of Chemical Change



Conservation of mass

Relative formula mass



C1 Atomic Structure and the Periodic Table

Relative atomic mass



Periodic table



Chemical bonds, ionic, covalent and metallic



Structure and bonding of carbon



Rate of reaction



C5 Energy Changes

Respiration



P4 Atomic Structure

B4 Bioenergetics

Year 10

Internal energy and energy transfers

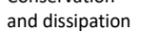


Changes of state



P3 Particle model of matter

Conservation and dissipation of energy



Energy changes in a system and stores



National and global energy resources



Model of the atom



C2 Bonding, Structure and the properties of matter

How bonding and structure are related to properties

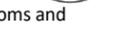
Reaction profiles and bond energies



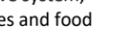
Atoms and nuclear radiation



Atoms and isotopes



Digestive system, enzymes and food tests



Principles of organisation



Exchange surfaces and SA:V



Cell division and stem cells



B1 Cell biology

P1 Energy

Specific heat capacity



B2 Organisation

Transport in cells
Diffusion, osmosis and active transport



Cell structure, specialisation and microscopy



YEAR 9



welcome

Chauncy School - KS4 Science

Trilogy Combined Science

A level Sciences – Biology, Chemistry and Physics
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(Need Grade 5 in Science)

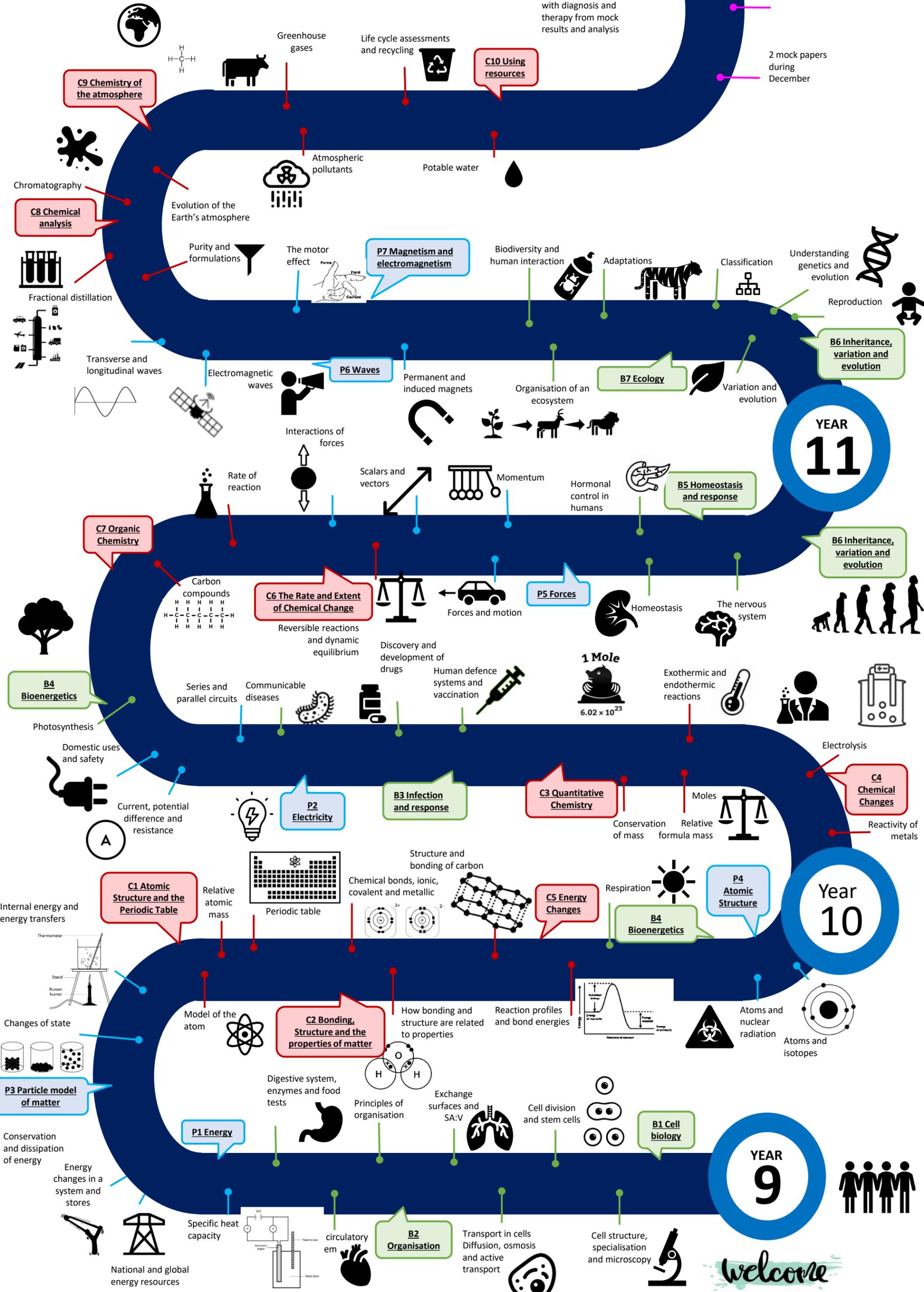
Other post 16 options – Apprenticeships, other A level subjects, other BTEC subjects, other training, College?

May / June End of year exams!!
Including 6 Science papers
1 hour and 15mins each

4 mock papers taken during February mock period

Revision period from mocks until exams start, with diagnosis and therapy from mock results and analysis

2 mock papers during December



YEAR 11

Year 10

YEAR 9

welcome