

Science sets W, X, Y, Z Curriculum Map: Year 10

AUTUMN TERM

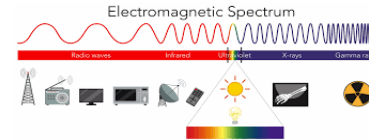
- Current, potential difference and resistance
- Series and parallel circuits
- Domestic supply and use of electricity



P2 Electricity



P6 Waves



- Transverse and longitudinal waves
- Electromagnetic waves
- Uses of electromagnetic waves
- Physics 1B ELC Test

B6 Inheritance



- Reproductive Systems
- Hormonal control of puberty
- Genetics of reproduction
- Inheritance
- Biology 1A ELC Test

C10 Using Resources



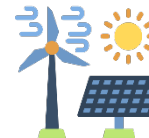
- Renewable and finite resources
- Sustainability
- Treatment of waste water
- Potable water

C4 Chemical Change



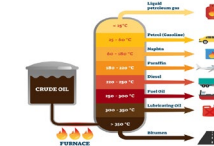
- Acids and Alkalis
- Extraction of metals
- Separating mixtures
- Chemistry 1B ELC Test

P1 Energy & P5 Forces recap



- Renewable and finite energy
- Forces
- Motion & stopping distances
- Physics 1A ELC Test

P7 Organic Chemistry



- Formation of crude oil
- Fractional distillation
- Alkanes and Alkenes
- Cracking

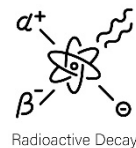
SUMMER TERM

P4 Atomic Structure



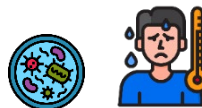
- Atoms and isotopes
- History of model of the atom
- Nuclear radiation

C2 Bonding structure and the properties of matter



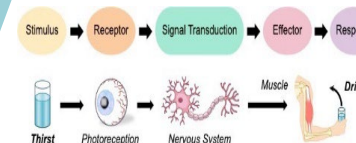
- Ionic, covalent and metallic bonding
- Allotropes of carbon
- Properties of matter
- Chemistry 1A ELC Test

B3 Infection and Response



- Communicable diseases
- Human defence systems
- Vaccinations
- Development of medicines
- Biology 1B ELC Test

B5 Homeostasis



- Homeostasis
- Control of blood glucose
- The human nervous System
- The endocrine system

Pupils follow topics from the AQA Trilogy GCSE scheme of work, adapted to ability levels. Each unit ends with a short test

The order of topics may change from the map to allow for sharing of lab space and resources.

Pupils also sit their Entry Level Science Certificate assessments in Year 10.