AQA – Video list

Entry Level

Biology

1. Cell biology
Eukaryotic and prokaryotic cells
Specialised Cells

2. Organisation
The Circulatory System
Health and risk factors

3. Infection and response
Preventing the spread of pathogens

4. Bioenergetics
Photosynthesis

5. Homeostasis and response
The nervous system
Hormones in human reproduction

6. Inheritance, variation and evolution
Genetic inheritance
Asexual vs sexual reproduction and meiosis
DNA and the genome
Natural Selection

7. Ecology
Adaptation
Human impact on the environment

Chemistry

1. Atomic structure
Atoms, elements, compounds and mixtures
Separating mixtures
The Periodic Table

2. Bonding
Ionic bonding
Solids, liquids and gases
Properties of ionic, covalent, metallic structures
Giant covalent structures

3. Quantitative Chemistry
Conservation of mass and balanced chemical equations

4. Chemical Changes
Extraction of metals
Reactions of acids
Making salts

5. Energy Changes
Exothermic and endothermic reactions

6. Rate and extent of chemical change
Factors affecting rates

7. Organic Chemistry
Crude oil and alkanes
Potable water

8. Chemical Analysis
Chromatography
Gas tests

9. Chemistry of the atmosphere
The Earth's atmosphere

10. Using Resources
Potable water
Life Cycle Assessment

Physics

1. Energy
Energy
National and global energy resources

2. Electricity
Circuit Symbols
Introduction to Electricity
Domestic uses and safety

3. Particle model of matter
Density
Solids, liquids and gases

4. Atomic structure
Radioactive decay

5. Forces
Contact and non-contact forces
Work done and energy transfer
Distance and Displacement, Speed and Velocity
Forces and braking (Double)

6. Waves
Transverse and longitudinal waves
Properties of waves
Electromagnetic waves 1
Electromagnetic waves 2

7. Magnetism and electromagnetism
Permanent and induced magnetism and fields
The motor effect

8. Space Physics
[None]