Edexcel – Video list

Triple Award

Triple Award includes all of the Entry Level and Double Award videos and, in addition, the topics below...

ENTRY LEVEL → DOUBLE AWARD →

Biology

1. Key Concepts in biology
[No additional videos]

2. Cells and control
The brain
The eye

3. Genetics
Protein synthesis
Mendel
Sex linkage and multiple alleles

4. Natural Selection and genetic modification
Theories of evolution: Darwin and Wallace
Tissue culture
GMO's and feeding the world

5. Health, disease and the development of medicines
Plant defences and diagnosis
The lifecycle of a virus
Culturing microorganisms
Monoclonal antibodies

6. Plant Structures and their functions
Plant adaptations
Plant hormones
Controlling water: the excretory system

7. Animal coordination, control and homeostasis
[No additional videos]

8. Exchange and transport in animals
[No additional videos]

9. Ecosystems and material cycles
Pyramids of biomass and biomass transfer
Decay
Food security
Monitoring pollution and biodiversity

Chemistry

1. Key concepts in chemistry
[No additional videos]

2. States of matter and mixtures
[No additional videos]

3. Chemical changes
[No additional videos]

4. Extracting metals and equilibria
[No additional videos]

5. Separate chemistry 1
The Haber process
Titrations
Chemical cells and fuel cells
Corrosion and rusting
Making Fertilisers
Yield and atom economy
Concentration in mol/dm3
Gas volumes
Alloys and the properties of metals
Transition metals
Nanoparticles
Addition Polymerisation
Biological Polymers
Condensation Polymerisation
Using materials
Tests for positive ions
Tests for negative ions
Instrumental analysis
Alkenes
Alcohols
Carboxylic acids

6. Groups in the periodic table
[No additional videos]

7. Rates of reaction and energy changes
[No additional videos]

8. Fuels and Earth science
[No additional videos]

Physics

1. Key concepts of physics
[No additional videos]

2. Motion and forces
Forces and braking

3. Conservation of energy
[No additional videos]

4. Waves
Properties of waves
Waves meeting boundaries
Sound waves
Uses of sound waves

5. Light and the electromagnetic spectrum
Reflection and Total Internal Reflection
Lenses
Visible light
Thermal radiation

6. Radioactivity
Irradiation and radioactive contamination
Uses of ionising radiation
Nuclear fission and fusion

7. Astronomy
The solar system
The life cycle of a star
Orbital motion
Red-shift and the origin of the Universe

8. Energy - forces doing work
[No additional videos]

9. Forces and their effects
Moments, levers and gears

10. Electricity and circuits
[No additional videos]

11. Static electricity
Static electricity
Electric fields

12. Magnetism and the motor effect
The motor effect

13. Electromagnetic induction
Electromagnetic induction
Transformers
Transformers and power transmission

14. Particle model
Pressure in gases

15. Forces and matter
Pressure and pressure differences in fluids