
SCIENCE

Year 7 & 8

Topics studied:

Working scientifically:

- Experimental skills and investigations
- Analysis and evaluation
- Measurements

Biology:

- Cells and organisation
- The skeletal and muscular systems
- Nutrition and digestion
- Gas exchange systems
- Reproduction
- Health
- Photosynthesis
- Cellular respiration
- Relationships in an ecosystem
- Inheritance, chromosomes, DNA and genes

Chemistry:

- The particulate nature of matter
- Atoms, elements and compounds
- Pure and impure substances
- Chemical reactions
- Energetics
- The Periodic Table
- Materials
- Earth and atmosphere

Physics:

- Fuel uses and costs
- Energy changes and transfers
- Describing motion
- Forces including balanced forces
- Pressure in fluids
- Forces and motion
- Waves (observed, sounds, energy, light)
- Current and static electricity
- Magnetism
- Physical changes and particle models
- Energy in matter
- Space physics

Subject specific websites to support revision and independent learning:



BBC Bitesize – KS3 Science (<http://www.bbc.co.uk/education/subjects/zng4d2p>)
<http://www.docbrown.info/ks3science.htm>
<http://www.darvill.clara.net/myon.htm>
<http://www.s-cool.co.uk/>
<http://www.scibermonkey.org/>
https://www.cgpbooks.co.uk/Parent/interactive_ks3_science

Recommended reading:

CGP KS3 Science – Complete Study & Practice
Available from the CGP website and other retailers such as Amazon (ISBN 978 1 84146 385 8)

Additional Information: