



Year 8 End of Year Exam

You will be sitting a 1hr exam paper covering a mixture of questions from modules covered in Year 8.

Biology:

Studying disease

- Types of microorganisms
- Vaccination to help fight disease
- Understand how conception, growth, development, behaviour and health can be affected by diet, drugs and disease.

Life and death

- Energy transfer through food webs
- How the resources in a habitat affect the numbers of organisms it can support
- Ways in which habitats can change

Keeping healthy

- Features of the digestive system
- How food is absorbed
- Food groups and their uses
- Understand the role of respiration
- Effects of a balanced and unbalanced diet.

Chemistry:

Separating mixtures

- Explain what happens during dissolving
- Describe how to get pure salt from a salt, sand and water mix.
- Explain the use of solvents
- State the process distillation
- State the process of chromatography



Physics:

Magnetism

- Magnetic attraction and repulsion, field patterns and electromagnetism
- How electricity is generated using a variety of energy resources

Space

- How the planets are arranged around the Sun and move in orbits
- Explain how the force of gravity keeps the planets in orbit
- Explain how gravity causes the effect of weight

Sound and Heat

- Energy transfer as heat or sound
- Describe how heat energy travels
- Explain how insulating material work
- Ways in which sound can be produced and how sounds vary according to amplitude and frequency
- How humans hear sounds
- Explain the negative effects of sound on human hearing

Revision Help:

BBC Bitesize: <http://www.bbc.co.uk/bitesize/ks3/science/>