Year 11 Mock Revision List

Biology Triple Higher

Ormiston Horizon Academy

How to revise Science:

1. Create a Comprehensive Revision Timetable. ...
2. Use Past Exam Papers and Mark Schemes. ...
3. Use Visual Learning Aids. ...
4. Engage in Active Learning Techniques. ...
5. Incorporate Online Resources. ...
6. Attend Science Revision Sessions and Workshops. ...
7. Focus on Understanding Key Concepts and Their Applications.
8. Use Tassomi
9. Use BBC Bitesize

Revision List:

Biology

- **Digestion –** organs involved, how enzymes work, lock and key model, food tests
- **Photosynthesis –** structure of a leaf, magnification and real length calculations, transport processes, photosynthesis required practical, word and chemical equation
- **Disease–** Pathogens, plant diseases, disease spreading prevention
- **Cancer –** mutations, risk factors, data interpretation, benign and malignant
- **Cells–** comparison of bacterial and animal cells, antibiotics, vaccination, blood
- **Cell Division –** meiosis, cell cycle, mitosis
- **Heart –** structure of the heart, heart problems and treatments

Chemistry

- **Group 7 Elements** – halogens, properties, reactivity, melting point graph analysis, trends
- **Chemical reactions** – covalent bonding, conservation of mass, exothermic and endothermic, types of chemical reactions
- **Structure and Bonding** – silicon dioxide, fullerenes, polymers and bond energies, alloys,
- **Elements and compounds** – balancing equations, calculation of RFM, reactivity series
- **Salts** – evidence of chemical reactions, graph analysis, separation techniques
- **Elements and compounds** – balancing equations, calculation of RFM, reactivity series
- **Electrolysis** – ions, uncertainty calculations, concentration calculation, investigation planning
- **Acids** – pH, concentration,

Physics

- **Electrical circuits** – circuit symbols, errors, mean calculations, power and resistance calculations
- **Energy** – GPE calculation, friction, elastic potential energy calculations, energy transfers
- **Radioactivity** – nuclear equations, alpha, beta, gamma properties, variables,
- **Pressure** – calculations, density changes