

Year 2 Medium Term Plan – Autumn

| Dates | AQA Combined Science Trilogy | Required Practical | Assessment |
|---|---|--------------------|------------|
| Biology B8 – Photosynthesis | | | |
| | B8.1 Photosynthesis | | |
| | B8.2 The Rate of Photosynthesis | YES | |
| | B8.3 How Plants use Glucose | | |
| | B8.4 Making the most of Photosynthesis | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Biology B9 - Respiration | | | |
| | B9.1 Aerobic Respiration | | |
| | B9.2 The Response to Exercise | | |
| | B9.3 Anaerobic Respiration | | |
| | B9.4 Metabolism and the Liver | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Chemistry C8 – Rates and Equilibrium | | | |
| | C8.1 Rate of Reaction | | |
| | C8.2 Collision Theory and Surface Area | | |
| | C8.3 The effect of Temperature | | |
| | C8.4 The effect of Concentration and Pressure | YES | |
| | C8.5 The effect of Catalysts | | |
| | MID-UNIT ASSESSMENT | | YES |
| | C8.6 Reversible Reactions | | |
| | C8.7 Energy and Reversible Reactions | | |
| | C8.8 Dynamic Equilibrium | | |
| | C8.9 Altering Conditions | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Physics P9 – Motion | | | |
| | P9.1 Speed and Distance-Time Graphs | | |
| | P9.2 Velocity and Acceleration | | |
| | P9.3 More about Velocity-Time Graphs | | |
| | P9.4 Analysing Motion Graphs | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Physics P10 – Force and Motion | | | |
| | P10.1 Forces and Acceleration | YES | |
| | P10.2 Weight and Terminal Velocity | | |
| | P10.3 Forces and Braking | | |
| | P10.4 Momentum | | |
| | P10.5 Forces and Electricity | YES | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Biology B10 – The Human Nervous System | | | |
| | B10.1 Principles of Homeostasis | | |

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| | B10.2 The Structure and Function of the Nervous System | YES | |
| | B10.3 Reflex Actions | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Biology B11 – Hormonal Co-ordination | | | |
| | B11.1 Principles of Hormonal Control | | |
| | B11.2 The control of Blood Glucose levels | | |
| | B11.3 Treating Diabetes | | |
| | B11.4 The role of Negative Feedback | | |
| | B11.5 Human Reproduction | | |
| | B11.6 Hormones and the Menstrual Cycle | | |
| | B11.7 The artificial control of Fertility | | |
| | B11.8 Infertility Treatments | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Chemistry C9 – Crude Oil and Fuels | | | |
| | C9.1 Hydrocarbons | | |
| | C9.2 Fractional Distillation of Oil | | |
| | C9.3 Burning Hydrocarbon Fuels | | |
| | C9.4 Cracking Hydrocarbons | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Chemistry C10 – Chemical Analysis | | | |
| | C10.1 Pure Substances and Mixtures | | |
| | C10.2 Analysing Chromatograms | YES | |
| | C10.3 Testing for Gases | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Physics P11 – Wave Properties | | | |
| | P11.1 The Nature of Waves | | |
| | P11.2 The Properties of Waves | | |
| | P11.3 Reflection and Refraction | | |
| | P11.4 More about Waves | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |
| Physics P12 – Electromagnetic Waves | | | |
| | P12.1 The Electromagnetic Spectrum | | |
| | P12.2 Light, Infrared, Microwaves and Radiowaves | | |
| | P12.3 Communications | | |
| | P12.4 Ultraviolet waves, X-Rays and Gamma Rays | | |
| | P12.5 X-Rays in Medicine | | |
| | REVISION AND SUMMARY | | |
| | END OF UNIT TEST | | YES |