**Science Curriculum Topic Overview**

| Year Group | | Term 1 | Term 2 | Term 3 | Term 4 | Term 5 | Term 6 |
|---|---|---|---|---|---|---|---|
| **Year 7**<br>*CLF Curriculum* | | • Particle Model (Chemistry)<br>• Separation Techniques (Chemistry)<br>• Cells and organisation (Biology) | • Atoms, elements and the Periodic Table (Chemistry)<br>• Forces (Physics)<br>• Nutrition and Digestion (Biology) | • Energy Stores and Transfers (Physics) | • Microbes and Disease (Biology)<br>• Reproduction (Biology) | • Acids and Alkalis (Chemistry)<br>• Physical and Chemical Changes (Chemistry)<br>• Magnetism (Physics) | • Electrical circuits (Physics) |
| **Year 8**<br>Tewkesbury Academy Curriculum | | • Chemistry – Reactions 2 OR Biology – Body Systems 2<br>• Physics – Forces 2 | | • Biology – Body Systems 2<br>• Chemistry – Matter 2<br>• Biology – Interdependence and Inheritance | | • Chemistry – Matter 2<br>• Physics – Energy 2 | |
| **Year 9**<br>*CLF Curriculum*<br>*Edexcel GCSE* | | • States of matter and separating (Chemistry)<br>• Key concepts in Biology | • Atomic Structure and the Periodic Table (Chemistry)<br>• Cells and Control (Biology) | • Motion and Forces (Physics)<br>• Genetics (Biology) | | • Conservation of energy (Physics)<br>• Natural selection and genetic modification (Biology) | • Waves (Physics)<br>• Bonding (Chemistry) |
| **Year 10**<br>Tewkesbury Academy Curriculum<br>AQA GCSE | BIO | Organisation | | Bioenergetics | Homeostasis and response | | I, V and E – classification only |
| | CHEM | Bonding, structure and the properties of matter | Quantitative chemistry | Chemical changes | Energy changes | The rate and extent of Chemical Change | |
| | PHY | Electricity | | Atomic Structure | Particles 2 | Energy 2 | Waves |
| **Year 11**<br>Tewkesbury Academy Curriculum<br>AQA GCSE | BIO | Ecology | Inheritance, variation and evolution inc. Classification | | | | |
| | CHEM | Rates continued from Year 10 | Organic Chemistry | Chemical Analysis | | | |
| | PHYS | Forces | | Magnetism and Electromagnetism | | | |