

Plan Of Learning For The Year (Unit/Topic/Project Context)

Half Term 1

- Biology – Homeostasis part 1, Chemistry – Quantitative Chemistry 1, Physics - Forces

Half Term 2

- Biology – Homeostasis 2, Chemistry – Quantitative Chemistry 2, Physics Forces 2

Half Term 3

- Biology – Inheritance, Chemistry – Organic Chemistry, Physics - Space

Half Term 4

- Biology – Evolution, Chemistry – Resources 1, Physics - Space

Half Term 5

- Biology – Evolution 2, Chemistry – Resources 2, Physics Waves part 2

Half Term 6

- Preparation for the terminal GCSE Examinations

Feedback, Retrieval & Assessment

- Regular self and peer assessment
- Regular Formative Assessment
- Termly Teacher Assessment (FFA)
- Termly Formal Assessment (FA)
- Whole Class Feedback

Super curriculum opportunities / extra-curricular activities

- Use of Seneca to Support Learning both as homework and independent study

Cultural Capital, SMSC, Careers and Futures

- Career Link in Each Unit, linking to the Gatsby Benchmark
- Opportunities for Practical work that both links and applies to industry
- Transferable skills via practicals such as problem solving, group work and working to a deadline.

Common misconceptions

- The terms Energy and Force are interchangeable
- Stars and constellations appear in the same place every night
- When things dissolve, they disappear
- Gasses are not matter because they are invisible
- Sexual reproduction involves 2 parents
- Humans evolved from monkeys

Connecting New Knowledge

- Regular revisiting of core vocabulary and key concepts, building key knowledge for GCSE
- Provision of Knowledge Organisers for each topic given at the start
- Provision of Curriculum map

Challenge for all

- Regular use of scaffolds and structured practice
- Clearly defined success criteria and use of clear feedback model to show next steps to improve
- Stretch activates built in to each lesson