

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

**Half Term 1**

- Biology - Cells, Chemistry - Atomic Structure 1 and Physics - Energy

**Half Term 2**

- Biology – Organisation 2, Chemistry – Atomic Structure 2 and Bonding, Physics – Atomic Structure 1

**Half Term 3**

- Biology – Organisation 2, Chemistry – Bonding 2, Physics – Atomic Structure 2

**Half Term 4**

- Biology – Ecology, Chemistry – Atmosphere, Physics – Particles 1

**Half Term 5**

- Biology – Ecology 2, Chemistry - Atmosphere 2, Physics – Particles 2

**Half Term 6**

- Review of the Year to include end of year assessment and feedback

**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**

- Atoms do not weigh anything
- Energy is a thing, object or something that is tangible
- Cold Can be transferred
- Cells are flat or very thin
- Plants are dependent upon humans

**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