

Curriculum Overview

Subject:
Year Group: 9



In year 9 students continue to follow the national curriculum but in greater depth than in year 7 and 8- The Big ideas continue to be developed, expanded and layered to provide a rich understanding. Advanced language is introduced in taking ideas introduced in 7 and 8 and developing these ideas further with reference to processes and phenomena signposted in 7 and 8. Practicals are more challenging and require a greater range of apparatus and skills. The recording, representation and analysis of data is developed to a much higher level and students continue to develop the mastery of the vocabulary needed to be successful when they begin Keystage 4 in Yr 10. Students continue to develop their Long Written work and Practical skills using LORIC.

TERM 1	TERM 2	TERM 3
KNOWLEDGE/SKILLS Conservation and Dissipation of Energy Non-Communicable Diseases Atomic Structure Energy Resources The Periodic Table Cell Structure and Transport	KNOWLEDGE/SKILLS Energy Transfer by Heating The Earth's Atmosphere Organising Animals and Plants Cell Division Open Ended Practical Investigation	KNOWLEDGE/SKILLS Adaptations, Interdependence and Competition Organising an Ecosystem The Earth's Resources Biodiversity and Ecosystems
KEY ASSESSMENTS Half term 1: Conservation and Dissipation of Energy Test, Cancer LWQ Half term 2: Periodic Table LWQ, Atomic structure and energy resources test	KEY ASSESSMENTS Half term 1: Energy transfer by heating / Cell division test, The Earths' Atmosphere LWQ Half term 2: The Heart LWQ, Organising Animals and Plants test	KEY ASSESSMENTS Half term 1: Adaptations, Interdependence and Competition test, Biodiversity and ecosystems LWQ Half term 2: Water safe to drink LWQ The Earths' Resources test

Extended reading suggestions and external resources:

KS3 Bitesize Science <https://www.bbc.co.uk/bitesize/subjects/zng4d2p>

Oak National Academy Lessons <https://classroom.thenational.academy/subjects-by-key-stage/key-stage-3/subjects/science>

Chase High Youtube Playlists <https://www.youtube.com/channel/UCSK4ImJfi5sPH4UBp7cZtyQ>

We actively encourage students to read and research about the wider Scientific world- Planet Earth and Perfect Planet both on BBC iPlayer are examples of where students can engage with Science from the safety and comfort of their own homes.