

**Whitworth Community High School
Science Department**

Teacher in Charge/Faculty Leader: Mr. T. Kent

Year 7 Learning Overview

Organisation of the classes:

Pupils are placed in sets according to their ability and this is monitored and controlled through formal assessments throughout the year

Key Concepts

All lessons in Science are underpinned by the How Science Works (HSW) principal. Pupils are encouraged through various learning methods to discover the world around them and how it works.

What skills do I use in this subject?

- Observing
- Predicting
- Questioning
- Investigating and experimenting
- Recognising patterns
- Planning
- Estimating and measuring
- Analysing and Evaluating

What will you be learning?

Pupils follow 11 separate units broken into the 3 Science disciplines of Biology, Chemistry and Physics.

1. They learn content and meaning along with the association of key works in Science
2. Pupils will learn how to make Scientific enquiries and will learn to develop their Scientific skills
3. Learn to explore the how everything around them works

How will you be learning?

Through experiments and demonstrations
By research (internet / books)
Through whole class and small group discussion
By independent learning
Through quiet reflection
By expressing ideas in writing

How will your learning be assessed?

You will complete a formal assessment each half term
Kerboodle interactive tests
Formal half-year and full-year tests
Informally through teacher observations with feedback

Home Learning

Home Learning booklets will be provided each half term and will extend on the topics covered in class

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| <p>Equipment needed? Black & purple pen, pencil, ruler, calculator</p> | <p>How can your parents support your learning? Parents can help by discussing the topics you are doing and trying to link them to everyday situations. They are also encouraged to discuss research / assessments. Purchase recommended revision material.</p> |
| <p>SMSC Links – Focus on Aspirations Science can open up many career pathways as well as help provide solutions to problems humans may experience in the future. You could be the next Nobel Prize winner.</p> | <p>What extra-curricular activities or enrichment opportunities are available? School trips / Science Club / STEM activities / Science VLE</p> |