

**SUBJECT:** KS3 Science

**YEAR:** 9

**HEAD OF DEPARTMENT:** Miss E James

**GROUPING POLICY:** Students banded into higher and foundation sets

**COURSE CONTENT for Year 9 science:**

**What will my child learn?**

By the start of year 9 students will have already completed the compulsory new national curriculum for KS3 science. Students will be taught a bespoke curriculum that has been designed to prepare students for the increased demand of KS4 courses. The emphasis will be linking key scientific ideas from the AQA GCSE curriculum so that students will not be tackling difficult concepts for the first time in years 10 and 11.

In addition to the taught content students will also be given the opportunity to develop their scientific investigation skills such as method writing, table drawing and graphing which will prepare them for GCSE science in years 10 and 11 and beyond. Links are made clear and explicit to Key Stage 4 content.

- Terms 1 - 3 Biology, Chemistry and Physics (In rotation, all students will have completed each 20 lesson unit by the end of term 3)
- Terms 4 – 6 Students will have started KS4 courses and will have also completed a live ISA which will contribute 25% towards the students overall GCSE if they are taking core science, and will be a useful practice if they are taking triple sciences.

**What will homework look like?**

Homework will be given by the class teacher in line with the homework timetable and it is intended to extend the students learning, demonstrate an understanding of scientific concepts and to ensure students are preparing well for assessments.

All students will be expected to complete all set homework to a high standard and hand them in on time.

**What enrichment opportunities are available?**

- Green machine afterschool club
- CREST award group
- Science in industry visits

**ASSESSMENT**

**How will my child's work be assessed?**

Student work will be assessed throughout the year and will include teacher marking, self-marking, peer assessment and automated online assessment. Students will also sit an end of key stage 3 exams in term 6 that will cover all aspects of science from years 7 – 9.

All assessment data will be used along with behaviour and learning profiles to determine an appropriate set for year 10.

### **ADDITIONAL INFORMATION**

#### **How can I support my child in this subject?**

AQA science books and revision guides are available to purchase through the school. BBC bitesize is also a useful resource but take care to ensure that you are following the correct course. It is AQA core that students will be preparing for in year 10.

#### **How can I support my child with exams?**

BBC bitesize is an excellent resource and can be very helpful when reviewing topics covered in lessons.