

**SUBJECT:** KS3 Science

**YEAR:** 8

**HEAD OF DEPARTMENT:** Miss E James

**GROUPING POLICY:** Students banded into ability sets in line with the maths department setting.

**COURSE CONTENT for Year 8 science:**

**What will my child learn?**

The year 8 programme of study is broken down into 6 individual modules each lasting between 12 and 19 lessons.

- Who do you think you are?
- What gives us energy?
- The earth and its materials.
- Studying the environment.
- Separating mixtures.
- How electricity works.

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.

**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

**ASSESSMENT**

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

Students work will be assessed throughout the year and will include teacher marking, self-marking, peer assessment and automated online assessment. In addition to this all students will be assessed after completing each of the 6 units of study. Half of these assessments will be in the form of an end of unit test which will be primarily content based and the remaining assessments will be focusing more on scientific skills such as method writing, graph drawing, analysis of experimental data and modelling. Students will also sit an end of year exam in term 6.

All assessment data will be used along with behaviour and learning profiles to determine an appropriate set for year 9.

**ADDITIONAL INFORMATION**

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

Details of this course (exploring science) can be found on Frog. Students and parents will have access to the online textbooks that form the underlying teaching structure in lessons.

**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.