

The year 8 pupils are encouraged to learn new practical techniques and develop their investigational skills as they continue to develop their scientific knowledge.

SCHEME OF WORK

The current year 8 science units of work are developed from the Activate schemes of work. The schemes of work include excellent class resources, practical exercises, homework tasks, on-line assessments (with feedback), progress quizzes, revision quizzes, practical projects and an on-line textbook which all pupils can access using their Kerboodle log in.

Many of the units offer pupils experiences outside of their everyday lives, and demonstrate many of the career choices in the science disciplines.

ASSESSMENTS

End of unit knowledge tests are completed after each unit, and termly formal assessments are set, covering work from the topics covered that term, as well as previous topics covered in KS3.

At the end of the school year, students will also sit an end of Key Stage 3 exam (the GL assessment) which will cover all the Year 7 and 8 topics.

TEACHING UNITS

1. Biology
 - a) Health and lifestyle
 - b) Ecosystem processes
 - c) Adaptation and inheritance

2. Chemistry
 - a) Reactions
 - b) Acids and alkalis
 - c) The Periodic Table
 - d) Separation techniques
 - e) Metals and acids

3. Physics
 - a) Light and Sound
 - b) Electricity and Magnetism
 - c) Energy
 - d) Motion and pressure

OTHER INFORMATION

- Resources from the scheme of work (e.g. homework tasks, on-line assessments with feedback, progress quizzes, revision quizzes, practical projects and an on-line textbook) are accessible via the Kerboodle website. Each pupil will have a log-in to access these resources.
- If a pupil is absent from school for an extended period of time these can be used to support work provided by the class teacher.
- Homework will be set every week by the class teacher, the day set and day due will vary according to the pupil's timetable.
- All pupils will require a blue/black pen, pencil, ruler, rubber and calculator for their science lessons.

For any queries or further information contact Mrs Chipps, Head of Science on jchipps@samuelward.co.uk.