



KS3 Curriculum Overview (Year 7 and 8)

Year 7

During Year 7 all students will follow the same pathway over the year and will complete a range of Biology, Chemistry and Physics topics. The Biology topics that will be studied include: Movement and cells, Environment and Genes. The Chemistry topics include: Metals, Chemical Reactions and The Earth. The Physics topics include: Forces, Electricity and Waves. Prior to starting these topics all students will complete a Safety and Scientific thinking topic in order to provide them with necessary skills required in KS3 Science.

Students will cover 9 topics in total, each topic is concluded with a test and this will be marked, graded and students will have a chance to reflect on their learning. Topic tests are designed to prepare students for the requirements of GCSE including questions ranging from basic recall to analytical and long answer questions.

In addition to these topics students will also complete a sequence of numeracy tasks with short tests associated to ensure that the required mathematical skills are developed alongside the scientific knowledge. Literacy is developed within the content as students are expected to express scientific ideas in written form and marking focuses on providing feedback and allowing improvement time for literacy skills.

Finally students will cover a first aid topic in the summer term, this provides students the basic skills to deal safely and confidently with a situation where first aid is required.





KS3 Curriculum Overview (Year 7 and 8)

Year 8

During Year 8 all students will follow the same pathway over the year and will complete a range of Biology, Chemistry and Physics topics. The Biology topics that will be studied include: Organisms, Environment and genes. The chemistry topics include: Matter and Reactions. The physics topics include: Forces, electromagnets and waves.

Students will cover 8 topics in total, each topic is concluded with a test and this will be marked, graded and students will have a chance to reflect on their learning. Topic tests are designed to prepare students for the requirements of GCSE including questions ranging from basic recall to analytical and long answer questions.

In addition to these topics students will also complete a sequence of numeracy tasks with short tests associated to ensure that the required mathematical skills are developed alongside the scientific knowledge. Literacy is developed within the content as students are expected to express scientific ideas in written form and marking focuses on providing feedback and allowing improvement time for literacy skills.

Finally students will complete a full scientific investigation of their choosing, students present the results of these projects to parents and the community at our "Year 8 projects Evening". The final pieces are judged by experts in local industry and the winning groups are awarded during a KS3 assembly.