RAYNES PARK HIGH SCHOOL

Science

KS3 Curriculum Information

Students study a broad range of exciting topics throughout year 7, 8 and 9. These are separate Biology, Chemistry and Physics units and are designed build upon each other as the course progresses. Lessons are engaging and practical-based.
In year 7, students study topics such as Particles, Forces, Acids and Alkalis, Energy, Classification and Electricity. In year 8, students study topics such as Respiration, Heating and Cooling, Light and Sound, Forensics, Nutrition and Magnets. In year 9, the programme of study includes Plants and photosynthesis, Patterns of Reactivity, Fit and Healthy and Inheritance and Genetics. Students will begin their GCSE course in Year 9.

Students are set in groups based upon their KS2 results. They are assessed through learning tasks and written tests throughout the year.

KS4 Curriculum Information

There are two GCSE routes – Separate Sciences (three GCSEs) and Combined Science (two GCSEs). Both courses study Biology, Chemistry and Physics, but the separate Sciences go into more depth in each subject. Both routes are examined at the end of Year 11, and no longer have a coursework element. Practical skills are now assessed in the exams, and students are required to undertake a number of core investigations throughout their GCSE studies.
The Separate Science will have three exams in each subject. Their final grades will be a combination of the results of the three papers, and students will receive a Biology GCSE, Chemistry GCSE and a Physics GCSE. In Combined Science, students will have two exams for each subject. Their final grades will be a combination of the results of all six exams.

Extra-Curricular Opportunities

We offer a STEM club for KS3 and KS4.

In KS3 students are encouraged to carry out practical experiments and investigations. In KS4, students are encouraged to continue their practical studies and can take part in activities such as The Crest Award. Students also take part in discussions and reflection.

Most of all we aim for all students to have fun and enjoy Science

Ways Families can Help Support

Look at the following: the AQA website for more information on GCSE: http://www.sciencelab.org.uk/resourcezone.php The BBC bitesize website http://www.bbc.co.uk/schools/gcsebitesize/chemistry/
For careers information: http://vega.org.uk/.

Any Other Information

Popular University courses that require Science are: Architecture, Nursing, Engineering, Biological Sciences, Laboratory Technician, Biomedical Sciences, Neurology, Veterinary Science, Medicine and Dentistry.