



ERASMUS DARWIN ACADEMY

Excellence for All

GCSE Triple Science

Aims

We aim to stimulate our students' curiosity and enjoyment of Science. Through the curriculum modules, the students are able to be familiar with a wide body of scientific knowledge, principles and vocabulary. This development of knowledge and skill will help them to understand and use scientific methods safely. We encourage students to work individually and as part of a team, in order to develop an awareness of the implications of Science for the individual, the community and the environment.

The Course

Students will be studying Biology, Chemistry and Physics as part of the GCSE Triple Science course, which will be worth **three GCSEs**. In addition to the content taught in the Combined Science course, students will study extra content in each subject that will further develop their knowledge and understanding. Students will complete practical work as part of their lessons not only to support the learning but to also develop the students' skills. Due to the increased demand of the course there may be entry requirements based upon student's attainment in years 7 and 8 and also their mathematical ability.

Assessment

All of the examinations for Triple Science will be taken at the end of Year 11. There are **six papers** in total: 2 for Biology, 2 for Chemistry and 2 for Physics, which will result in 3 separate GCSEs, one for each of the Sciences. Each paper is 1hr 45mins – 100 marks (50% of the GCSE for each Science). Practical work is no longer externally assessed in the form of coursework. Instead, knowledge of **Core Practicals** that are delivered during lessons are assessed as part of the final exam papers. Questions based on practical activities will make up at least 15% of the final exam papers. Two tiers of entry will be available, Foundation Tier covering grades 1-5 and Higher Tier covering grades 4-9.

Choose this course if..

You enjoy Science, in particular practical activities. There are 6 more **Core Practicals** that are completed that are not part of the Combined Science course. In order to achieve this, you will have 5 additional Science lessons a fortnight compared to Combined Science. You are keen to learn more about how the world, body and chemical reactions work. Especially the topics of the brain, spinal cord and the eye, inheritance of genetic diseases, Space and the Solar System and how to make alcohol in the lab (in theory!). Triple Science also prepares you for the A level Science course many of the additional topics taught in Triple Science directly feed into or cross over with A level content.

Post 16 Opportunities and Careers

The Academy currently runs A-level courses in Biology, Chemistry and Physics. Some colleges also provide other Science based courses which include a Level 3 BTEC in Applied Science.

Exam Board Information

Pearson Edexcel Level 1/Level 2 GCSE (9-1) in Biology (1BI0) Specification:

https://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/GCSE_Biology_Spec.pdf

Pearson Edexcel Level 1/Level 2 GCSE (9-1) in Chemistry (1CH0) Specification:

https://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/GCSE_Chemistry_Spec.pdf

Pearson Edexcel Level 1/Level 2 GCSE (9-1) in Physics (1PH0) Specification:

https://qualifications.pearson.com/content/dam/pdf/GCSE/Science/2016/Specification/GCSE_Physics_Spec.pdf

Contact

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