

Raedwald Trust: Key Stage 3 Programme of Study for Science

- **Overview:**

The programmes of study are divided into the three separate sciences. They are based on the National programmes of study 2013 for science and where appropriate for Maths, the AQA Syllabus for KS3 Science 2016 and the AQA Entry Level Certificate for Science Specifications 2016.

- **KS3 Programme of Study for Working Scientifically, Biology, Chemistry and Physics**

The KS3 Programme of Study for Science provides all the knowledge, skills and understanding necessary for a student to have the opportunity to access: -

- AQA Entry Level Certificate in Science (Entry level 1-3)
- GCSE Biology
- GCSE Chemistry
- GCSE Physics

- **KS3 Programme of Study for Maths Skills for Science**

The elements of Maths that are necessary to for a student to be able to access the scientific knowledge, skills and understanding are highlighted in a programme of study entitled Maths for Science which is separate to the Raedwald Trust Maths programme of study. Whilst this programme is written separately, all the elements form part of the Maths programme of study and the learning will be supported by the Maths Curriculum.

- **Vocabulary for KS3 Working scientifically, Biology, Chemistry and Physics**

The vocabulary included in the list of Key words for Biology, Chemistry and Physics cover all the vocabulary for the KS3 programmes of study for Biology Chemistry and Physics.

- **Vocabulary for AQA Entry Level Certificate – Science**

A list of the vocabulary included in the AQA Entry Level Certificate in Science is also included as part of the Programme of Study for KS3 Science. This vocabulary is available to address concepts that may be accessible to those students who will progress beyond the KS3 vocabulary . It forms a transitional extension to the entry level syllabus and GCSE's. A more detailed account of the Programme of study for AQA Entry Level Certificate in Science and GCSE Biology, Chemistry and Physics can be found in the materials forming the Programmes of Study for KS4 Science.

- **List of practicals for KS3 Programmes of Study for Science**

This list of practicals serves as a list of suggested practicals. It would be expected that over the course of KS3 that students would conduct a minimum of 12 practicals (4 in each of the separate sciences). The primary focus of the choice of practicals would be to choose a practical that will be of most inspiration, motivation and interest to the student whilst ensuring the development of the student's skills to work and think scientifically in each of the sciences. The examples are drawn from the Collins Lab book for KS3 science and the AQA KS3 Science Lab book.