

Subject: Science Double Award, Edexcel

Year Group: 10

Term One:

Throughout the course, students will undertake topics that will be examined at the end of Year 11 in three 2 hour examinations. These topics include:

- The nature and variety of living organisms
- Principles of chemistry
- Forces and motion
- Electricity

Students will also undertake experiments to improve experimental technique and planning during the year.

Term Two:

The course continues with the introduction of the following topics:

- Structures and functions in living organisms
- Chemistry of the elements
- Waves
- Energy resources and energy transfer

Students will practice their numeracy skills and continue to build on previous knowledge to allow them to independently produce table, graphs and use calculations to manipulate data from their own experiments and secondary sources.

Term Three:

The final term in year 10 will see these topics covered:

- Reproduction and inheritance
- Organic chemistry
- Solids, liquids and gases

Literacy skills will be undertaken throughout the year to ensure that longer, more detailed answers can be undertaken in the future examination with confidence.

There may be occasions when teachers may not follow the exact order of topics listed to ensure that students have the required depth of knowledge in each subject.



Subject: Science Double Award, Edexcel

Year Group: 11

Term One:

During the second year of this course students will undertake the following topics:

- Ecology and the environment
- Physical chemistry
- Magnetism and electromagnetism

Students will continue with their experimental work and develop their investigation skills still further, looking at their own work as well as secondary sources.

Term Two:

During this term students will complete their studies with the following topics

- Use of biological resources
- Chemistry in industry
- Radioactivity and particles

There may be occasions when teachers may not follow the exact order of topics listed to ensure that students have the required depth of knowledge in each subject.

Extensive revision will be undertaken throughout the year.

Term Three:

Revision at home will continue and the following will also be offered:

- Masterclasses
- Drop in 1-1 sessions
- Revision in lessons
- Individual action plans
- Group work

