



Science KS3

Course Outline – Year 7

All students will be following the same pathway and over the year will complete a range of Biology, Chemistry and Physics topics. The Biology topics that will be studied include: Cells; Structures and Functions of body systems; and Reproduction. The Chemistry topics include: Particles & their behaviour; Elements, Atoms & compounds; Reactions; and Acids and Alkalis. The Physics topics include: Forces; Sound; Light; and Space.

At the end of each topic students will sit an end of topic test to summarise the content covered in these topics. These tests will be banded and feedback given. These tests will provide good practice for their GCSE Science exam, because they will have a similar structure to the GCSE papers with the inclusion of 6 mark questions.

Summary of Content

Unit B1 (Biology) is split into three topics, which cover the following areas:

Cells

Structures and functions of body systems:

Reproduction

Unit C1 (Chemistry) is split into three topics, which cover the following areas:

Particles & their behaviour;

Elements, Atoms & compounds;

Reactions

Acids and Alkalis.

Unit P1 (Physics) is split into four smaller topics. In these topics, you will;

Forces - Sound - Light; - Space.

Additional Resources

The science department provides each student with access to an online learning resource. Your username and password will be given to you in class. Make sure that you keep it secure.

The following websites are just a few examples of somewhere you may find helpful with some of the content, as well as interesting things to read and explore:

<https://www.doddlelearn.co.uk/app/login?>

<http://www.bbc.co.uk/learningzone/clips/topics/secondary.shtml#science>

<http://www.s-cool.co.uk/gcse>

<http://www.science-active.co.uk/>

https://www.o2learn.co.uk/o2_students.php

<http://www.bbc.co.uk/bitesize/ks3/>



Science KS3

Course Outline – Year 8

All students will be following the same pathway and over the year will complete a range of Biology, Chemistry and Physics topics. The Biology topics that will be studied include: Life Support & diet, Studying Disease, Drugs & Reproduction. The Chemistry topics include: The Periodic Table, Metals and Reactions, Geology, Pollution & Climate Change. The Physics topics include: Sound & Light and Energy Transfers.

At the end of each topic students will sit an end of topic test to summarise the content covered in these topics. These tests will be levelled and feedback given.

Lessons

At KS3, you will have 6 lessons per fortnight in year 7 and year 8 and have one or two members of staff teaching you.

Each unit has an end of topic test. The grades from these assessments will inform the grades that you receive on your report.

At the end of Year 7 students will complete an end of year assessment that will cover all content from that year. Students will complete this in the Summer term.

At the end of year 8 students will complete an end of key stage assessment that will cover all content from both year 7 and 8. Students will complete this in the Summer term.

Book Lists

KS3 Science Revision Guide – Available from Springwood High School via the School Shop

The following textbook is the Year 7 textbook.

Purchase of the textbook is optional.

Activate: 11-14 (Key Stage 3): Activate 1 Student Book

ISBN-10: 0198392567

ISBN-13: 978-0198392569

