

## Course information

### Year: 8 Subject: Science

<b>Subject</b>	Science	<b>Subject leader contact information</b>	Mr Garland bgarland@cottesloe.bucks.sch.uk
<b>Examination Board</b>	N/A	<b>Specification Code</b>	N/A

**Subject Content**

*Excitement and engagement to promote awe and wonder is the focus of our KS3 science curriculum. We want students to develop their love of science which they bring from KS2 and home and become the best scientists that they can be. Our curriculum is based around practical investigations, in Biology, Chemistry and Physics, and 'finding things out for yourself'.*

*This is achieved in year 8 through the study of 6 different topics across all three of the science disciplines*

*B3 – Body Systems*

*B4 – Inheritance and Reproduction*

*C3 – The Earth*

*C4 – Chemical Reactions*

*P3 – Forces and Energy*

*P4 – Waves*

**Additional Equipment Needed**

- Students will need a scientific calculator.
- We have recommended revision guides available in the school shop.
- Coloured pencils are useful for diagrams

**Assessment Details:**

*In year 8 students will take four AP (Assessment Point) exams that will be used to identify areas of knowledge that students will need to focus on. They are also used to inform current levels, professional predictions and grouping.*

**To be successful students will need to be able to:**

- Follow lab safety rules
- Follow written instructions in order to work independently on practical based activities
- Focus on developing written explanations linked to scientific understanding
- Form their own questions to develop an investigate
- Use scientific knowledge to inform planning for investigations
- Think carefully about the observations that they will need to make in order for an investigation to be valid
- Analyse and interpret observational and researched data
- Draw conclusions and link these to underpinning scientific concepts

**What can I do to support my child at home?****Specific advice for parents... what can they do to help us?**

- Take an interest in the science that students are studying
- Encourage students to complete the homework and meet deadlines
- We recommend the use of Seneca learning. Encourage students to engage with this regularly and to use it for targeted revision in the preparation for exams
- Take advantage of relevant science institutes to support interest in science. For example, Tring Museum, National History Museum, Science Museum, Woburn Safari Park, College Lake, Whipsnade Zoo etc
- Help students prepare thoroughly for assessments

**Recommended resources for the course:****Websites:**

[BBC Bitesize – Key Stage 3 Science](#)

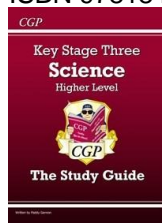
[Kerboodle](#) – students will be given an access code

[Seneca](#) – students to create a free account

**Books:**

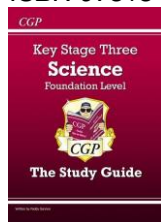
KS3 Science Study Guide – Higher

ISBN 9781841462301



KS3 Science Study Guide – Foundation

ISBN 9781841462400



**Teaching Staff Contact Details**

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