



Bishop Wordsworth's School

Exeter Street, Salisbury, Wiltshire SP1 2ED

Telephone: 01722 333851

Fax: 01722 325899

E-mail: admin@bws.wilts.sch.uk

Website: www.bws-school.org.uk

Head Master: Dr S D Smallwood BSc (Hons) PhD NPQH

19 October 2016

Dear Parents/Guardians

Year 12 Chemistry

A significant amount of hard work has already taken place since September and we are pleased to see that the vast majority of boys are showing increasing independence and organisation. Several practical activities have been conducted and already there have been developments in a range of important skills, not least that of undertaking a titration – these skills and others will form part of the Practical Endorsement qualification which sits alongside the A Level grade on the final exam certificate.

Two topics have now been studied and are coming to a conclusion 'Atoms, Bonding and Structures' and 'Moles, Equations and Calculations'. Tests will take place in each of the topics after half term and the boys will be made aware of the dates of these tests depending on their teacher and teaching group. The boys have booklets for each of these topics which detail the relevant specification points along with worksheets, activities and past paper questions that they have been undertaking. These tests will give the teachers and students an accurate indication of the progress being made. These assessments will provide some of the evidence used by teachers to inform decisions about further study in Year 13 and UCAS predicted grades.

Some boys may wish to use some of their time over half term to do some preparation for these tests. Boys have this week been given the suggested revision sheets below which outline what they can do to support their revision for these tests.

For boys who find the more mathematical aspects of the Chemistry course challenging then I can recommend the book 'Calculations in AS/A Level Chemistry by Jim Clark'. This book is an invaluable resource and can be picked up second hand from Amazon – it covers all the mathematical questions covered in the whole A Level course with worked examples along with further problems and solutions – to grasp this part of the course is often a matter of practise. In the past this book has been a highly valued Christmas present!

Boys have the option to study during their 'self-supported study periods' in the Science classroom and we are trying to encourage a greater use of this room by year 12 students. It is a quiet working area with science textbooks and other resources. To support the boys in making best use of their self-supported study time we are encouraging the boys to use a 'learning log' which will be outlined to the boys shortly by Mr Griffin-Raphael.



Bishop Wordsworth's School

Exeter Street, Salisbury, Wiltshire SP1 2ED

Telephone: 01722 333851

Fax: 01722 325899

E-mail: admin@bws.wilts.sch.uk

Website: www.bws-school.org.uk

Head Master: Dr S D Smallwood BSc (Hons) PhD NPQH

It was terrific to see so many boys attend the recent BAYS talk given by Dr Simon Gerrard on Environmental and medicinal chemistry – attendance at BAYS talks will provide the boys with valuable enrichment opportunities which will support any further education or job applications. Some boys have also already applied for Headstart courses next summer and these will be great experiences for them.

Kind regards

Dr Emma Baker
Director of Science

Yr 12 Chemistry

Preparing for the first End of topic Tests

You have now almost completed the first modules and there will be tests after half term. All of the tests that you will complete throughout the year are important in providing us with evidence to support our UCAS predicted grades or predicted grades to future employers.

The following is a list of what you could do to help yourself revise:

- Use the specification comments in the topic booklets. These comments have all the information on it to direct your revision - go through each point carefully and make sure that you are familiar with the content.
- Use the glossary at the end of the book to highlight the words and definitions which we have covered - learn any key definitions (remember, are you talking about an atom, ion, molecule, lattice - get these terms correct!)
- Use your textbook to consolidate your learning - you may not have read all the relevant pages so take some time to do this as part of your revision
-

The activities below are helpful in helping you to revise - you may wish to focus on areas that you feel you are weakest and need greater consolidation. The end of chapter questions are all past A Level questions and completion of these questions followed by self-marking in particular would be incredibly useful revision - if you can do those then you should do well in the tests.

Answers to summary questions are in the back of the book.

Answers to the end of chapter questions can be found at this link:

<https://global.oup.com/education/content/secondary/series/ocr-a-level-sciences/alevel-sciences-for-OCR-student-book-answers/?region=uk>

Topic - Atoms, Structures and Bonding Topic

Suggested Activity	Pages of textbook	Tick when done √
Read chapter 2	8-18	
Summary questions 2.1 , 2.2,2.3	11,14,18	
Practise end of chapter 2 questions	19	
Summary questions 3.1	25	
Read work on Ideal gas and summary questions 3.3	28-31	
Summary questions 4.3	51	
Read Chapter 5 (5.2 and 5.3 sections)	59-67	
Summary question 5.2, 5.3	62, 67	
Practise end of chapter 5 questions	68-69	
Read Chapter 6	70-83	
Summary questions 6.1-6.4	73,76,80,83	
Practise end of chapter 6 questions	84-85	

Topic - Moles, Equations and Calculations

Suggested Activity	Pages of textbook	Tick when done√
Read Chapter 3	20-37	
Summary questions 3.1, 3.4	21, 37	
Practise end of Chapter 3 questions	38-39	
Read Chapter 4	40-51	
Summary questions 4.1, 4.2	42,47	
Practise end of Chapter questions	52-53	