






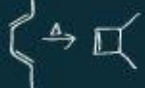


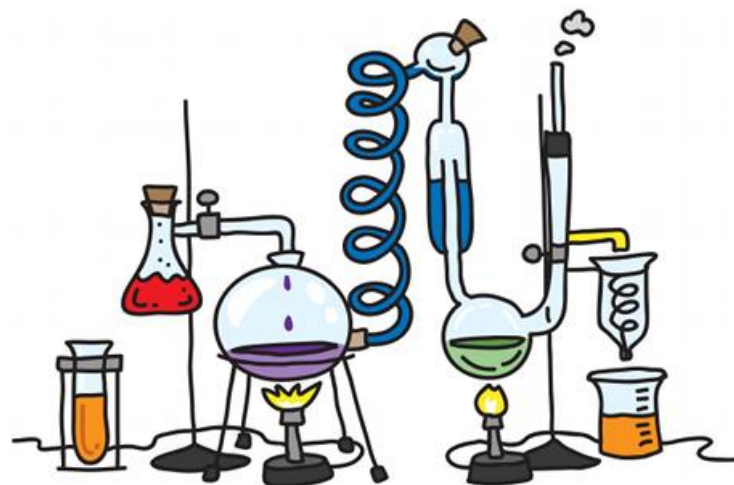


ABC of CHEMISTRY

Pearls Of Raw Nerdism

 Activation energy	 Benzene	 Covalent	 Double beta decay
 Equilibrium	 Fusion	 Gibbs free energy	 Half life
 Isotope	 Jones oxidation	 Ketone	 Lanthanides
 Molecule	 Nucleus	 Organic	 Ph
 Quark	 Reaction	 Spectral lines	 Triple bond
 UN Number	 Valency	 Woodward-Hoffmann rules	 X-Ray diffraction
	 Yttrium	 Zwitterion	



Induction Day 29th June 2018

EXAMS

- You are the 4th cohort doing the new course.
- The results of the year 12 exam will not count towards your A level grade.
- You will sit three exams on the whole two years of the course.
- Paper three will be your practical assessment and will ask you questions on the practicals recorded in your lab records books.

CHEMISTRY



SUITABILITY

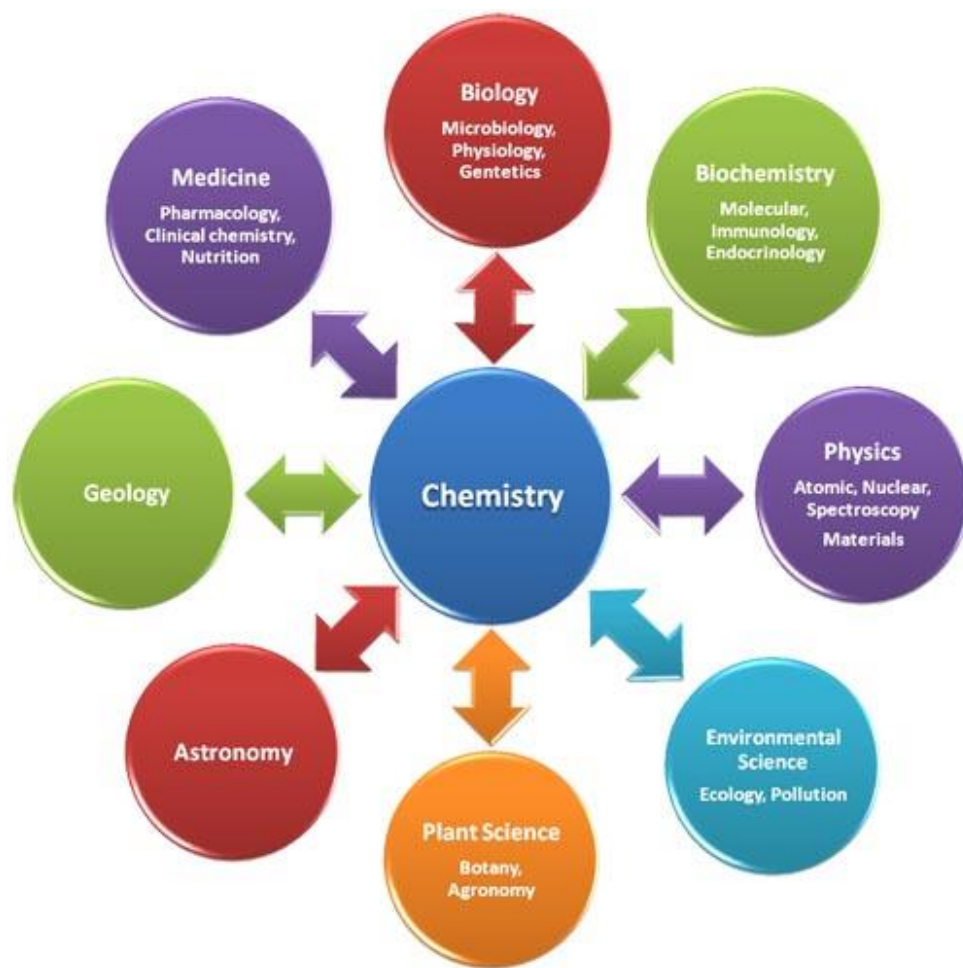
- APS 5.2
- Grade 6 in GCSE Sciences. If more than one Science at least two must be at a grade 6 (one must be Chemistry).
- Grade 6 in GCSE Maths (discussion with department if a grade 5 is achieved)
- Pass the entry exam.



REALITY



- **A LEVEL CHEMISTRY IS TOUGH.** Every year we have students who find the transition difficult/impossible. Last year students failed year 12 because of failing year 12 Chemistry. They now have to start year 12 again with new option choices.
- **What ever the topic, activity, or task you are set you will have to give your FULL commitment**
- **If you decide to have the right attitude, CHEMISTRY will open doors for you. GATEWAY SUBJECT.**



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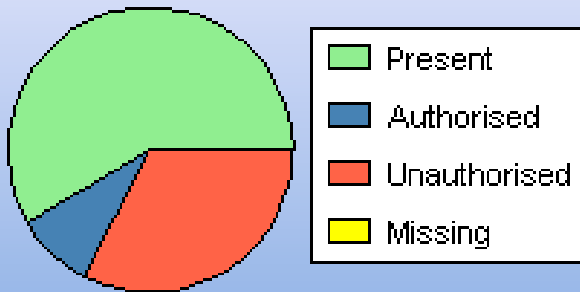


EXPECTATIONS

ATTENDANCE.

SIMPLE RULE

- If you do not attend all of your lessons you will fail.
- If your attendance drops below 80% you will also probably fail!!!
- If you are ill you must catch up.



Description	Sessi..	%
Present	195	58.6
Authorised Absence	29	8.7
Unauthorised Absence	108	32.4
Possible Attendances	333	
Including		
Approved Educational Activity	6	1.8
Late before reg closed	36	10.8
Late after reg closed	0	0.0
Unexplained Absence	108	32.4



EXPECTATIONS

**IF YOU MISS A
DEADLINE
YOU ARE “DEAD”!!**

**It benefits no one to be forever chasing bits of paper.
Expect one chance, and that’s it.**



EXPECTATIONS

RECORD KEEPING.



- You will need to keep your study notes and work in a folder in an organised manner.
- Every month or so you will be expected to hand the folder in for marking and evaluation.



EXPECTATIONS

RECORD KEEPING.



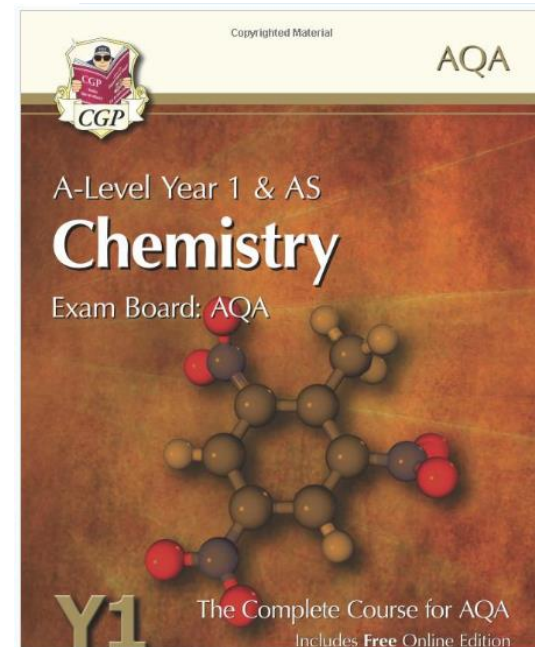
- You will also need to buy a hardback lab log to write your experiments in.
- You have to complete and write up a minimum of 12 experiments over the two years.
- If your lab book is assessed as up to standard you will also be accredited with the experimental award on your final certificate.



EXPECTATIONS

TEXTBOOKS

We strongly advise you to purchase the recommended book(s).



https://www.amazon.co.uk/New--Level-Chemistry-AQA-Student/dp/1782943218/ref=sr_1_3?s=books&ie=UTF8&qid=1467284369&sr=1-3&keywords=aqa+chemistry+as+year+1



SAFETY EXPECTATIONS



**HAIR TO
BE TIED
BACK.**



BANNED.
Shorts, tops that do
not cover shoulders,
and open toed
shoes.



HAND-OUT

AQAChemistrySpecificationSummary.pdf - Adobe Acrobat Reader DC

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Home Tools AQAChemistrySpec... x Sign In

1 / 1 108%

AQA A-Level Chemistry

7404/7405

	AS		A2		
	Paper 1	Paper 2	Paper 1	Paper 2	Paper 3
Weighting (%)	50	50	35	35	30
3.1 Physical chemistry					
3.1.1 Atomic structure					
3.1.2 Amount of substance					
3.1.3 Bonding					
3.1.4 Energetics					
3.1.5 Kinetics					
3.1.6 Chemical equilibria, Le Chatelier's principle and Kc					
3.1.7 Oxidation, reduction and redox equations					
3.1.8 Thermodynamics					
3.1.9 Rate equations					
3.1.10 Equilibrium constant Kp for homogeneous systems					
3.1.11 Electrode potentials and electrochemical cells					
3.1.12 Acids and bases					

10:27
21/06/2017

Chemistry induction test

First lesson in September. We have not finalised the test but we would expect you to know the following as a minimum:

- Naming compounds and writing chemical formulae, balancing equations
- Proton, Electron & Neutron numbers for any given element
- Electron configuration (shell filling shorthand)
- Metallic, ionic & covalent bonding
- Isotopes
- Acids/Bases
- Reacting masses- moles, yields,

Prep sessions:

'Head Start to A-Level Chemistry' - GCP

'Essential Maths Skills for A-Level Chemistry' - GCP

Recommended textbooks:

'A-Level Year 1 & AS Chemistry', Exam Board AQA- CGP

'A-Level Year 2 Chemistry', Exam Board AQA- CGP

Students can use the following link to access the (new) specification, required practical handbook and past papers.

<http://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405>

List of good A-Level Chemistry websites: (with the caveat that I cannot check every web page that appears on these websites)

<http://www.chemguide.co.uk>

<http://www.s-cool.co.uk/a-level/chemistry>

<http://www.a-levelchemistry.co.uk>

<http://www.physicsandmathstutor.com/chemistry-revision/a-level-aqa/>

http://www.rsc.org/learn-chemistry/wiki/A-Level_Chemistry_Revision

<http://www.docbrown.info/page13/page13.htm>



Best of luck for your exam results and enjoy your summer.