



Kenilworth School & Sixth Form

Rouncil Lane, Kenilworth, CV8 1FN • Tel: 01926 859421 • Fax: 01926 513650

Web: www.ksn.org.uk • Email: Kenilworthsixthform@ksnadmin.ksn.org.uk

Head: Mr H. H. S. Abbott B.A.(Hons.), M.Ed, NLE

Senior Deputy Head/Head of Sixth Form: Mr N. Mummary

Aspiring to excellence

Kenilworth School & sixth form - Chemistry Department

Dear Parent/Guardian,

Having completed their AS examinations last summer students are now completing the 2nd year of their A-Level Chemistry studies.

The information supplied here is aimed to inform both yourselves and your son/daughter of the expectations and opportunities for the year ahead; in deed what we can offer your son/daughter to ensure they maximise their potential in this subject but also inspire them to achieve a grade that they are personally proud of and allows the doors of their future education to open widely.

1. Examination structure – Summer 2019:

The grade students achieve will be solely based on the following exams sat at the end of this year which covers topics 1-19:

Paper 1: 90 marks 1:45 hrs 30% weighting

Topics covered: **Topics 11-15** (plus some AS content).

Paper 2: 90 marks 1:45 hrs 30% weighting

Topics covered: **Topics 16-19** (plus some AS content).

Paper 3: 120 marks 2:30 hrs 40% weighting

Topics covered: **Topics 1-19** (plus **experimental methods** from all 16 core practicals).

A-Level Chemistry topics

YEAR 1:

TOPIC 1 – Atomic structure

TOPIC 2 – Bonding & Structure, Shapes and Intermolecular forces

TOPIC 3 – Redox

TOPIC 4 – Inorganic Chemistry

TOPIC 5 – Formulae, Equations and Moles

TOPIC 6 – Organic Chemistry

TOPIC 7 – Analytical Chemistry (Mass spectrometry & Infra-Red spectroscopy)

TOPIC 8 – Energetics

TOPIC 9 – Kinetics

TOPIC 10 – Equilibrium



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YEAR 2:

TOPIC 11 – Equilibrium II

TOPIC 12 – Acid-base Equilibrium

TOPIC 13 – Energetics II (Entropy)

TOPIC 14 – Redox II (Electrochemical cells)

TOPIC 15 – Transition Metal Chemistry

TOPIC 16 – Kinetics II

TOPIC 17 – Organic Chemistry II (Carbonyl Chemistry)

TOPIC 18 – Organic Chemistry III (Arenes and Organic Nitrogen Chemistry)

TOPIC 19 – Analytical Chemistry (Nuclear Magnetic Resonance)

2. Our Chemistry magazine and publication library:

We have a large selection of publications available for students to borrow including 'Education in Chemistry', 'New Scientist', 'The Mole' and 'Chemistry World'. We hope that students will take this opportunity to borrow these publications to stimulate their passion for Chemistry, deepen their subject knowledge, further their understanding and broaden their appreciation of the ever-evolving chemical world. Many of the articles will be linked to students' A-Level studies and will prepare them for university interviews whilst others can simply be read for enjoyment and interest.

Online magazines:

We also recommend downloading the following *Education in Chemistry* magazine which is now available as an App on iOS and Android free of charge.

App readers of each bimonthly addition will have access to themed supplements on emerging topics in chemical education.

Useful websites to support A-Level Chemistry studies:

- www.chemguide.co.uk
- www.rsc.org/campaigning-outreach
- www.knockhardy.org.uk/sci.htm

3. Revision sessions, examination practise and the past paper schedule.

We will not be running "revision sessions" this year as we find this to be of no benefit to individual students. Instead we therefore urge students to be proactive when seeking guidance. Only they will know if they do not understand a concept, a theory, an explanation or an exam question and having realised this, students must come and seek support, guidance and consolidation from any Chemistry teacher on that particular aspect.

In place of revision sessions, we will be running 'Exam paper sessions' instead. Students will be informed of the topic dates in due course and they will be expected to revise a particular topic each week and then come armed with the required knowledge to practise answering exam questions on this topic during the after school session. They will also have the opportunity to have any areas they find difficult clarified or ask any additional questions.



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In addition, we urge students to follow the past paper schedule rigorously. Last year's schedule is below as an example but this year's schedule will be available for students in due course. This schedule will ensure that students complete all the necessary exam papers periodically, during the months before the exams.

The past paper schedule (last year):

PAPER START DATE (Wk. commence)	PAPER CHECKED/ MARKED BY TEACHER (Wk. commence)	SET BY 3X WEEK TEACHER	QUESTIONS TO LEAVE	SET BY 2X WEEK TEACHER	QUESTIONS TO LEAVE
5 th March	12 th March	June 2013 (Unit 1)		June 2013 (Unit 2)	20, 25bv
12 th March	19 th March	June 2014 (Unit 1)	22dv	June 2014 (Unit 2)	1, 17, 21di, dii, diii, div
19 th March	26 th March	June 2015 (Unit 1)	17g,	June 2015 (Unit 2)	14, 20a,b,c,
26 th March	16 th April	June 2016 (Unit 1)	1	June 2016 (Unit 2)	2a,b,c,d,
3 rd April (Over Easter)	16 th April	June 2017 (Unit 1)		June 2017 (Unit 2)	
16 th April	23 rd April	June 2013 (Unit 4)		June 2013 (Unit 5)	23c,d
23 rd April	30 th April	June 2014 (Unit 4)		June 2014 (Unit 5)	15
30 th April	7 th May	June 2015 (Unit 4)	16	June 2015 (Unit 5)	17, 24biii, iv, v, vi
7 th May	14 th May	June 2016 (Unit 4)	2	June 2016 (Unit 5)	15, 21b
14 th May	21 st May	June 2017 (Unit 4)		June 2017 (Unit 5)	20

Thank you for your support and if you do have any questions or concerns please do not hesitate to contact myself or the class teacher.

Yours Faithfully,

Mr M. Jones
Head of Science and Head of Chemistry