***Sutton Grammar School Transition to A-Level Chemistry***

Dear future year 12 chemist,

We are looking forward to you joining us in September for A Level Chemistry at SGS.

Please find below a range of preparatory resource for you to work through over the next few months.

If you have any questions please do not hesitate to get in contact.

Kind regards

Mr P Wood

paulwood@suttongrammar.school

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

***Materials for next year***

Please ensure that you own a laboratory coat with your name on it and that this ready for September

The course textbook is Oxford A Level Chemistry for OCR and can be purchased either as two single books year 1 and 2 or as a combined version which is cheaper. The link to the latter is below.

<https://www.amazon.co.uk/Level-Chemistry-OCR-Student-Book/dp/0198351976/ref=sr_1_1?crid=2VE7QBZQK4JM4&dchild=1&keywords=a+level+chemistry+for+ocr&qid=1591197293&s=books&sprefix=a+level+chemsitry+for+%2Cstripbooks%2C140&sr=1-1>

*If your child is eligible for pupil premium funding and you would like to discuss how the funding can be used to contribute towards payment of this item please email Mrs Lapsley.*

*KerryLapsley@suttongrammar.school*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

***Useful resources***

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

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

<https://www.ocr.org.uk/qualifications/as-and-a-level/chemistry-a-h032-h432-from-2015/>

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Quantitative chemistry is one of the first topics we will meet in September. To get going we would like you start working through the moles study booklet. You will need to read the sections carefully, follow the worked examples, answer the questions and then check your answers. There are many examples in each section; you should answer 100% of the questions in sections 1, 2 and 3 and then **only** the first 40% of the questions in each of the other sections.

<https://chemstuff.files.wordpress.com/2012/01/moles-formulae-equations-questions.pdf>

1. Read the OCR practical skills handbook. This contains all of the information required to pass the practical endorsement.

<https://www.ocr.org.uk/Images/208932-chemistry-practical-skills-handbook.pdf>

Using Appendix 4 create a summary mind map of all of the key information. You need to know about how to assess uncertainties of different pieces of equipment, know all of the “useful terms” and have learnt all of the rest of the information in that appendix.