

# Tutoring Plan

Date: 3<sup>rd</sup> October 2012



## London Science Tutors

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### Personal Details

**NAME** William Cowper-Langley  
**ADDRESS** 75 Maidentree Lane, Hampstead, NW3 3JH  
**SCHOOL** Highgate School, Highgate, London  
**SUBJECTS** A Level Maths, Biology and Chemistry  
**FURTHER EDUCATION PLANS** Aiming to study Medicine at Bristol University, starting Autumn 2013

### Exam Schedule

**JANUARY 2013** Resitting one AS Chemistry Paper (*Atoms, Bonds and Groups*)  
**JUNE 2013** All A2 Papers

### Tutoring Details

**SUBJECT** A2 Chemistry  
**SYLLABUS** OCR A  
**TUTOR** Deep Lidder (deep@londonsciencetutors.com)  
**TUTORING AIM** To go from (Predicted) Grade B to Grade A in Chemistry to ensure University offer is met.  
**TUTORING ARRANGEMENT** 2 Hours Weekly – Wednesday Evenings 5:00-7:00 - at William's home in Hampstead.  
**PERSONAL CONCERNS** School teacher is moving through syllabus quite rapidly and William is uncomfortable with some of the fundamental concepts and ideas – especially with regards to measuring rates and progress of reactions.  
**HOMEWORK REQUIREMENTS** William is keen to receive weekly homework in order to consolidate concepts from the tutoring sessions.  
**ADDITIONAL NOTES**

- William is predicted a B for A Level Chemistry, however both he and his parents are confident that he can get an A.
- William needs a Grade A in Chemistry to go on to study Medicine.
- He prefers a conceptual/visual approach rather than a mathematical approach.
- William is more comfortable with the '*Rings, Polymers and Analysis*' module, and would like to spend tutoring time consolidating concepts from the '*Equilibria, Energetics and Elements*' module.

### Winter Tutoring Schedule

**Overview** Review of A2 Material, before moving on to preparation and practice for AS Paper in January.

SESSION	TOPIC	DETAIL	HOMEWORK
10-Oct-12	A2 Module 2	<i>Rates, Equilibrium and pH</i> – How Fast? & How Far?	Jun 2012 Q5. Jan 2012 Q3,4
17-Oct-12	A2 Module 2	<i>Rates, Equilibrium and pH</i> – Acids, Bases and Buffers	Jun 2012 Q2,7. Jan 2012 Q1
24-Oct-12	A2 Module 2	<i>Energy</i> – Lattice Enthalpy	Jun 2012 Q3,1. Jan 2012 Q7
31-Oct-12	A2 Module 2	<i>Energy</i> – Enthalpy and Entropy	Jun 2012 Q6. Jan 2012 Q2,8
7-Nov-12	A2 Module 2	<i>Energy</i> – Electrode Potentials and Fuel Cells	Jun 2012 Q4. Jan 2012 Q5,6
14-Nov-12	A2 Module 2	<i>Transition Elements</i>	Jun 2012 Past Paper (Timed)
21-Nov-12	AS Module 1	Jun 2012 Past Paper and <i>Atoms and Reactions</i> - Review	Jan 2012 Past Paper (Timed)
28-Nov-12	AS Module 1	Jan 2012 Past Paper and <i>Electrons, Bonding and Structure</i> - Review	Jun 2011 Past Paper (Timed)
5-Dec-12	AS Module 1	Jun 2011 Past Paper and <i>The Periodic Table</i> - Review	Jan 2011 Past Paper (Timed)
12-Dec-12	AS Module 1	Jan 2011 Past Paper Review and module consolidation	Jun 2010 Past Paper (Timed)
19-Dec-12	AS Module 1	Jun 2010 Past Paper Review and module consolidation	Jan 2010 Past Paper (Timed)