Chemistry Bridging Unit

20 points – Look at some of the infographics on www.compoundchem.com and find one that you are interested in. Summarise it onto something the size of a playing card.

20 points – Visit www.docbrown.info and complete some revision quizzes from GCSE chemistry paper 1 (print off your score as evidence)

20 points per topic – Read the information on www.chemguide.co.uk on basic atomic structure, basic kinetic theory, basic chemical energetics and chemical calculations, and answer the questions at the bottom of the page.

40 points per task – Download a copy of the **'Amount of Substance'** work book from the HSFC website and complete as many tasks as you will find useful.

40 points – Search YouTube for a description of how the structure of the atom was first agreed upon and make a timeline showing at least 4 scientists and their work.

40 points per section – Get hold of a copy of **'Head Start to A-Level Chemistry'** (these are about 1p second hand on Amazon) and answer the questions in it.

60 points – Listen to an episode of **'The Infinite Monkey Cage'** podcast / radio programme that has a connection to Chemistry and describe what you heard.

80 points – Listen to an episode of the **'In Our Time'** podcast on the BBC website that is relevant to Chemistry and write a summary of what you have learned. I would particularly recommend the ones on Kinetic Theory, The Proton, Enzymes, Chromatography, States of Matter, Free Radicals and Chemical Elements.

100 points – Read or listen to a section of Bill Bryson's **'A Short History of Nearly Everything'** that has a connection to chemistry and review it.

100 points – complete a past GCSE Chemistry paper (separate or combined). If you did all of the ones from your exam board, try looking for one from a different exam board (AQA, Edexcel, OCR). They should all be freely available on the relevant websites.

100 points – Read any of the following books and review them:

- Molecules at an Exhibition – John Emsley
- The Disappearing Spoon – Sam Kean