**Westbourne House School**

**Revision – Summer Term**

**Y7 CHEMISTRY CE REVISION CHECKLIST**

**The Exam(s) will consist of:**

* For 7CE and 7S: 3 separate Science papers, Biology, Chemistry, Physics
  + duration: 40 minutes per paper
* For 7S: One Science paper composed of 3 sections, Biology, Chemistry, Physics
  + duration: 60 minutes to be done in lesson time

(aim to spend approx. 20 minutes on each section)

**Equipment you will need for the exam:**

* Fountain pen and spare cartridges
* Ruler (15cm and 30cm)
* Pencil
* Eraser and pencil sharpener
* Calculator

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| **TOPIC** | **WHAT TO REVISE** | **DONE?** |
| Elements, compounds and mixtures | * What is an atom, molecule, compound and a mixture * Selected symbols * Properties of metals and non-metals * Methods of separation |  |
| Burning fossil fuels | * Products of combustion * The Greenhouse Effect * Acid rain * Tests for oxygen, carbon dioxide and water |  |
| Thermal decomposition | * Reactions involving heat and: * Hydrated copper sulphate * Copper carbonate * Potassium permanganate * Limestone |  |
| Rusting | * Causes and prevention |  |
| Reactivity of Metals | * With water and acids (including the test for hydrogen) * The Reactivity Series * Displacement reactions |  |
| Extraction of metals | * The REDOX reaction including the Blast furnace and Thermit reaction * Ores, alloys and native metals * Uses if metals |  |
| Fractional Distillation | * Uses of fractional distillation * Distillation of crude oil |  |
| Experimental design | * Writing a method * Fair test * Dependent and independent variables * Graphing   + always in pencil   + plot the points accurately   + draw the line of best fit freehand i.e. not with a ruler |  |

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| Notes/ Tips |
| * You are preparing for a CE /CASE paper * You will need to revise the syllabus outlined above using your ISEB Revision Guide and your Chemistry exercise books from Y6-8. * For further information or guidance about revision or the actual exam, please contact Head of Science, Victoria Bagshaw ( [vbagshaw@westbournehouse.org](mailto:vbagshaw@westbournehouse.org) ) |