**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
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| Burning fossil fuels | * Products of combustion
* The Greenhouse Effect
* Acid rain
* Tests for oxygen, carbon dioxide and water
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| Thermal decomposition | * Reactions involving heat and:
* Hydrated copper sulphate
* Copper carbonate
* Potassium permanganate
* Limestone
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| Rusting  | * Causes and prevention
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| Reactivity of Metals | * With water and acids (including the test for hydrogen)
* The Reactivity Series
* Displacement reactions
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| Extraction of metals  | * The REDOX reaction including the Blast furnace and Thermit reaction
* Ores, alloys and native metals
* Uses if metals
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| Fractional Distillation | * Uses of fractional distillation
* Distillation of crude oil
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| 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 )
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