**Westbourne House School**

**Revision – Summer Term**

**Y8 CHEMISTRY CE REVISION CHECKLIST**

**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?** |
| Solids, Liquids and Gases | * Arrangement of particles
* Behaviour of particles
* Changes of state
* Expansion
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| Elements, Compounds and Mixtures  | * What is an atom, molecule, compound and mixtures
* Selected symbols for elements and compound
* Properties of metals and non metals
* Methods of separation – filtration, crystallisation, simple and fractional distillation, chromatography
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| Solubility  | * Solute, solution, solvent, soluble, insoluble, dissolving, saturated
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| Burning fossil fuels  | * Products of combustion
* The 3 fossil fuels – coal, oil and gas
* The Greenhouse Effect
* Acid Rain
* Tests for oxygen, carbon dioxide and water
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| Reactions of metals  | * Rusting
* Metals and oxygen
* Metals and water
* REDOX reactions
* Displacement reactions and the reactivity series
* Metal extraction
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| Acids and Alkalis | * Indicators
* The pH scale
* Neutralisation
* Acids and carbonates
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| Thermal Decomposition | * Hydrated copper sulphate
* Copper carbonate
* Potassium permanganate
* Limestone
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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 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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