**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

|  |  |  |
| --- | --- | --- |
| **TOPIC** | **WHAT TO REVISE** | **DONE?** |
| Solids, Liquids and Gases | * Arrangement of particles * Behaviour of particles * Changes of state * Expansion |  |
| 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 |  |
| Solubility | * Solute, solution, solvent, soluble, insoluble, dissolving, saturated |  |
| 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 |  |
| Reactions of metals | * Rusting * Metals and oxygen * Metals and water * REDOX reactions * Displacement reactions and the reactivity series * Metal extraction |  |
| Acids and Alkalis | * Indicators * The pH scale * Neutralisation * Acids and carbonates |  |
| Thermal Decomposition | * Hydrated copper sulphate * Copper carbonate * Potassium permanganate * Limestone |  |
| 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 |  |

|  |
| --- |
| 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](mailto:vbagshaw@westbournehouse.org) ) |