**Westbourne House School**

**Revision – Summer Term**

**Y8 PHYSICS 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?** |
| Electricity | * Investigating current in series and parallel circuits * Investigating how different components affect current flow in series and parallel circuits * Control of circuits using SPDT switches * AND/OR circuits * Resistors, diodes, light dependent resistors and fuses * Electromagnets * Generating electricity |  |
| Forces | * Speed/ distance/ time calculations * Balanced and unbalanced forces * Springs (series and parallel) * Friction and air resistance * Moments/ balances, levers and turning forces * Moments calculations * Pressure, force, area * Calculating weight * Calculating density |  |
| Energy | * Energy transfers * Conservation of energy * Energy resources * Renewable and non-renewable energy resources |  |
| Sound | * Hearing * Sound waves |  |
| Light | * Reflection * Refraction * Dispersion * Transmission and absorption of light |  |
| Earth and beyond | * Relationship of Earth/ Sun/ Moon system * Knowledge of other parts of the solar system * Movement of the earth * Satellites |  |
| Experimental design | * Fair test – control variables * 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 |  |
| Energy transformations | * energy forms and energy transfers |  |

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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 Physics 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) ) |