**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
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| 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
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| Energy  | * Energy transfers
* Conservation of energy
* Energy resources
* Renewable and non-renewable energy resources
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| Sound | * Hearing
* Sound waves
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| Light  | * Reflection
* Refraction
* Dispersion
* Transmission and absorption of light
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| Earth and beyond | * Relationship of Earth/ Sun/ Moon system
* Knowledge of other parts of the solar system
* Movement of the earth
* Satellites
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| 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
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| 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 )
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