



## Westbourne House School Revision – Christmas Term



### Y8 CASE 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?
Biology: Respiration	<ul style="list-style-type: none"><li>• Photosynthesis and respiration</li></ul>	
Biology: Nutrition	<ul style="list-style-type: none"><li>• Food groups and uses e.g. proteins</li><li>• Balanced diets</li></ul>	
Biology: Environment	<ul style="list-style-type: none"><li>• Global warming</li><li>• Carbon emissions</li><li>• Sustainability</li></ul>	
Biology: Ecology	<ul style="list-style-type: none"><li>• Classification of vertebrates and invertebrates</li></ul>	
Biology: Cells	<ul style="list-style-type: none"><li>• Plant and animal cells</li></ul>	
Chemistry: Chemical reactions	<ul style="list-style-type: none"><li>• Metals and oxygen</li><li>• Displacement reactions</li><li>• REDOX reactions</li><li>• Rust</li></ul>	
Chemistry: Separating techniques	<ul style="list-style-type: none"><li>• Chromatography method</li><li>• Interpreting chromatograms</li></ul>	
Chemistry: Particles	<ul style="list-style-type: none"><li>• Changes of state</li><li>• Diffusion</li><li>• Expansion and contraction of substances</li></ul>	
Chemistry: elements, compounds and mixtures	<ul style="list-style-type: none"><li>• What is an atom, molecule, compound and mixture?</li><li>• Selected symbols</li><li>• Properties of metals and non-metals</li><li>• Chemical formulae</li></ul>	
Physics: Forces	<ul style="list-style-type: none"><li>• Balanced and unbalanced forces</li><li>• Air resistance</li><li>• Friction</li></ul>	
Physics - sound	<ul style="list-style-type: none"><li>• How sound is made and heard</li></ul>	

Physics – Energy transfers	<ul style="list-style-type: none"> <li>• Types of energy, wasted/ useful energy transfer</li> <li>• Renewable and non-renewable sources of energy</li> <li>• ethics</li> </ul>	
Physics – Electricity	<ul style="list-style-type: none"> <li>• How series and parallel circuits work</li> <li>• Ways of using less energy (LEDs, insulation in houses etc.)</li> </ul>	
Variables	<ul style="list-style-type: none"> <li>• Variables – independent and dependent, control variables</li> <li>• Plotting graphs – using sharp pencil</li> <li>• Draw a line or curve of best fit</li> <li>• Describing the graph – what it shows</li> <li>• Explain the graph – why is it that shape</li> </ul>	

Notes/ Tips
<ul style="list-style-type: none"> <li>• You are preparing for a CE paper</li> <li>• You will need to revise the syllabus outlined above using your ISEB Revision Guide and your Biology exercise books from Y6-8.</li> <li>• For further information or guidance about revision or the actual exam, please contact Victoria Bagshaw  <a href="mailto:vbagshaw@westbournehouse.org">vbagshaw@westbournehouse.org</a> </li> </ul>