

**Westbourne House School**

**Revision – Summer Term 2021**

**Y6 REVISION CHECKLIST**

**The Exam(s) will consist of:**

* One Science paper: combination of Biology, Chemistry and Physics questions
  + duration: 60 minutes

**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 / PAPER** | **WHAT TO REVISE** | **DONE?** |
| Healthy Eating | * Food groups – examples and uses (proteins etc.) * Malnutrition – causes and effects (too much fat etc.) * Testing foods for starch |  |
| Classification | * Vertebrate groups – features and examples * Invertebrate groups – arachnids/insect features |  |
| Keys | * How to use branched and paired keys to identify animals |  |
| Food chains/  food webs | * Definitions (e.g. producer, consumer etc.) * Effects of pollution/disease on food webs |  |
| Cells | * Structure/function of parts of typical animal and plant cells * Special cells (e.g. red blood cell) - adaptations related to function |  |
| Microscopes | * Names and functions of parts of a microscope * Slide preparation |  |
| Ecology | * Ecology definitions e.g. producer * Interpreting food chains/webs * Vertebrate/ invertebrate groups, keys * Adaptations (from Y5) * Quadrat sampling |  |
| Electricity | * Circuit symbols * Series circuits * Current * Conductors and insulators |  |
| Forces | * Balancing forces * Gravity and weight * Magnets |  |
| Light | * Light sources and terminology * Reflection * Speed of light |  |
| Sound | * How the speed of sound is different between states of matter |  |
| Earth and beyond | * Earth, Sun and Moon * Moon facts * The solar system |  |
| Measures | * Fair testing versus reliability |  |
| Laboratory Apparatus | * Identify equipment and describe their uses |  |
| Separating mixtures | * Filtration, evaporation, chromatography and distillation * What is separated and how |  |
| Solutions and dissolving | * Solute, solvent, solution, saturated, soluble, insoluble |  |
| Acids and alkalis | * Properties of acids and alkalis * Everyday uses * Different indicators and the pH scale * Neutralisation * Acid rain |  |
| Elements compounds and mixtures | * Definitions of atom, molecule, element, and compound * Common elements in the periodic table * Where metals and non-metals are and their properties * Heating elements in air (oxidation) |  |
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| **NOTES/TIPS:** | | |
| * You need to revise everything from your green year 6 Biology exercise books. The topics to spend a little extra time on are listed above. Use your KS3 revision guides to help. * For any further information or guidance about revision or the actual exam, please contact Head of Science – Mrs Victoria Bagshaw [vbagshaw@westbournehouse.org](mailto:vbagshaw@westbournehouse.org) | | |