**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
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| Classification | * Vertebrate groups – features and examples
* Invertebrate groups – arachnids/insect features
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| Keys | * How to use branched and paired keys to identify animals
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| Food chains/food webs | * Definitions (e.g. producer, consumer etc.)
* Effects of pollution/disease on food webs
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| Cells | * Structure/function of parts of typical animal and plant cells
* Special cells (e.g. red blood cell) - adaptations related to function
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| Microscopes | * Names and functions of parts of a microscope
* Slide preparation
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| Ecology  | * Ecology definitions e.g. producer
* Interpreting food chains/webs
* Vertebrate/ invertebrate groups, keys
* Adaptations (from Y5)
* Quadrat sampling
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| Electricity  | * Circuit symbols
* Series circuits
* Current
* Conductors and insulators
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| Forces  | * Balancing forces
* Gravity and weight
* Magnets
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| Light  | * Light sources and terminology
* Reflection
* Speed of light
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| Sound  | * How the speed of sound is different between states of matter
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| Earth and beyond | * Earth, Sun and Moon
* Moon facts
* The solar system
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| Measures  | * Fair testing versus reliability
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| Laboratory Apparatus  | * Identify equipment and describe their uses
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| Separating mixtures | * Filtration, evaporation, chromatography and distillation
* What is separated and how
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| Solutions and dissolving | * Solute, solvent, solution, saturated, soluble, insoluble
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| Acids and alkalis | * Properties of acids and alkalis
* Everyday uses
* Different indicators and the pH scale
* Neutralisation
* Acid rain
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| 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
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