

June 2018

Dear Parent/ Carer

I am writing to you to inform you about your child's End of Year 8 test that is going to take place in their Science lesson during the week commencing the 2nd July.

The test will take place in lesson (the final date will be confirmed by your child's teacher).

The topics being covered on the test, are from all of the topics covered this year.

The corresponding revision guide page titles are listed below;

Biology:

Lungs and gas exchange – Gas exchange, Breathing, Exercise, Asthma and smoking.

Respiration – Aerobic respiration, Anaerobic respiration.

Muscles and Bones – The Skeleton, the Muscular system.

Inheritance and evolution – DNA and Inheritance, Variation.

Drugs and health – Drugs.

Chemistry:

Periodic table – Atoms and elements (including atomic structure) (Y7), the periodic table, Compounds, Naming compounds, Balancing Equations.

Extracting metals – Reactivity series and Metal Extraction, Displacement reactions.

Reactions of Acids – Acids and Alkalis (Y7), PH chart (Y7), Neutralisation reactions (Y7), Reactivity series and Metal Extraction, Reaction of Metals with Acids, Reactions of Oxides with Acids, Displacement Reactions.

Describing Reactions – Chemical Reactions, Examples of Chemical Reactions, More on Chemical Reactions, Exothermic and Endothermic, Catalysts, Balancing Equations.

Earth and the atmosphere – The earth's structure, the atmosphere and the climate.

Physics:

Domestic and Static Electricity – Electrical circuits (Y7), Measuring current and Potential difference (Y7), Series circuits(Y7), Parallel circuits(Y7), Static electricity, The cost of electricity, Comparing power ratings and energy values.

Waves and sound – Water Waves, Sound, Hearing, Energy and waves.

Light – Light Waves, Reflection, Refraction, How We See, Colour.

Application of Forces – Moments, Force Diagrams, Pressure.

Heat transfer – Energy transfer by heating.

Students should be given their exercise books in order to revise for the test.

Resources for the blocks can also be found on the MLE:

Students > Science > Year 8

BBC Bite Size is another useful resource (<http://www.bbc.co.uk/education/subjects/zng4d2p>).

Doddle can also be used for revision:

<https://www.doddlelearn.co.uk/app/login>

- **Institution:** select High Storrs School
- **Username:** 1st name followed by 2nd name with capitals and 17. (include any hyphens)
- **Password:** highstorrs (unless students have changed it)

Passwords can be reissued by staff if students forget them!

If you have any questions with regard to this assessment please do not hesitate to contact me.

Kind regards

Yours sincerely

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A copy of this letter can be found on the MLE:

Students > science > Year 8 > Letters