



Dear Parents and Guardians,

Welcome back to this month's curriculum guide for Science! This month, in addition to covering the topics listed students will be reinforcing what they have learnt in term 2 through revisiting the topics already covered and applying their knowledge to exam style questions, which is why the topics for this month are shorter. Please see below for more information on what students will be covering this month.

Curriculum Content

Grade 6:

Topics	Keywords
Exploring Sound, Describing sound, Hearing Sounds and understanding factors affecting hearing.	Vibrate. Frequency, wavelength, amplitude. Pinnar, Ear canal, ear drum, ossicles, cochlea, auditory nerve
Exploring the human skeleton, Understanding the role of skeletal joints, Investigating muscles	Bone, skeleton, calcium, marrow, ligament, muscle. Tendon. Contract, relax, force, newton, antagonistic muscles, biceps, triceps, quadriceps.
Exploring problems with the skeletal system. Recall some medical problems with the skeletal system. Describe treatments for some skeletal problems.	Skeletal system, fracture, osteoporosis, arthritis,

Grade 7:

Topics	Keywords
Describing electric circuits. Understanding energy in circuits. Explaining resistance. Describing series and parallel circuits.	Component, conductor, insulator, ammeter, ampere. Voltage, volt, voltmeter, potential difference, resistance. Series circuit, parallel circuit, branch.
Exploring types of drugs. Understanding the impact of smoking. Understanding the effects of alcohol. Exploring the effects of other drugs and addiction.	Class A, addiction, withdrawal, rehabilitation. Painkiller, stimulant, depressant, hallucinogen, prescription drug, recreational drug, side effect. Nicotine, tar, passive smoking, cancer.

Grade 8:

Topic	Keywords
The Law of conservation of mass, balancing equations, chemical equations, word and symbol equations.	Law of Conservation, Energy, Balanced, moles, compound, reactant, product.
Relative formula mass, decomposition	Carbonates, thermal, decomposition, mass, mass number, atomic number periodic table.

Grade 9:

All keywords in the grade 9 curriculum can be found in the specification document, which is also referenced at the end the newsletter. This month, they will be consolidating and revising previous topics in preparation for assessments, as well as learning about the following topics:

- Greenhouse gases
- Global warming
- Hydrogen Combustion
- Rates of Reaction

How Can You Help?

You can help your children by assisting them in learning the meanings and spellings of the keywords they learn in class, getting them to create posters and spider diagrams, and helping them to answer exam style questions, which can be found in the resources listed below. Please remind your child to revise keywords they have learnt in lesson every day at home to remain confident.

Here are some useful websites:

Grades 6 – 8 (KS3)

BBC KS3 Bitesize <http://www.bbc.co.uk/bitesize/ks3/science/>

Skool.co.uk <http://inteleducationresources.intel.co.uk/parents.aspx?id=321>

Grade 9 (KS4)

BBC KS4 Biteize <http://www.bbc.co.uk/education/levels/z98jmp3>

Specification and Past Paper Material:

<http://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-science-2011.coursematerials.html#filterQuery=Pearson-UK:Category%2FExam-materials>

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Thank you in advance for your support in the education of your child. Please do not hesitate to contact me for any further information.

Yours Faithfully,

Miss Deega