



DONNYBROOK DISTRICT HIGH SCHOOL

An Independent Public School

PRINCIPAL – James Milne

Dear Parents/Carers,

Year 10 Term 2 – Chemical Sciences

This letter will provide you with a basic outline of what your child will be learning this term, as well as the key assessment tasks they will undertake. I encourage you all to familiarise yourselves with our schools assessment and homework policy as this will be adhered to closely during the year. This policy can be found on the school website.

This term your child will be studying Chemical Sciences, looking into the periodic table and various chemical reactions. Throughout the unit students will also be exposed to specific Science Inquiry Skills and will develop an understanding of Science as a Human Endeavour. Our program is aligned with the Western Australian Curriculum and this can be viewed online.

Science Understanding/Content Descriptor	Elaborations
The atomic structure and properties of elements are used to organise them in the Periodic Table (ACSSU186)	<ul style="list-style-type: none">recognising that elements in the same group of the periodic table have similar propertiesdescribing the structure of atoms in terms of electron shellsexplaining how the electronic structure of an atom determines its position in the periodic table and its propertiesinvestigating the chemical activity of metals
Different types of chemical reactions are used to produce a range of products and can occur at different rates (ACSSU187)	<ul style="list-style-type: none">investigating how chemistry can be used to produce a range of useful substances such as fuels, metals and pharmaceuticalspredicting the products of different types of simple chemical reactionsusing word or symbol equations to represent chemical reactionsinvestigating the effect of a range of factors, such as temperature and catalysts, on the rate of chemical reactions

Assessments - Throughout the term your child will undertake a range of assessment tasks. This will include in class exams, practical sessions and written assignments. Any assignment will be accompanied by an assignment criteria and rubric which will be handed out prior to the due date.

Assessments for Term 2

- Elements Quiz 1
- Alkaline Earths Practical
- Elements Quiz 2
- Semester 1 Exam – Chemical and Earth and Space Sciences
- Investigation Report – Rate of Reactions
- Topic Test 2 – The Periodic Table and Chemical Reactions

Students will also be required to complete homework and study topics covered within class sessions. This term students will have **ongoing study** and will need to recall the basic elements and symbols of the periodic table. They all have a copy of these elements.

If you have any queries or questions, please don't hesitate to contact me via email or telephone. If you would like to catch up for a meeting regarding your child's progress please contact me or the school and I am more than happy to meet with you.

Kind Regards,

James Duncan
Science Teacher

Wednesday, 10 May 2017

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