

ACADEMIC PROGRAMS

Semester I

Year 11 Chemistry

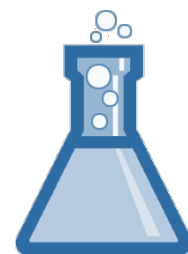
Disclaimer

Under QSA guidelines summative assessment depends on the fullest and latest information on a student's performance, based on a process of continuous assessment. This gives a stability to teacher judgments and shows how students progress. Thus formative assessment informs the end-of-course summative judgment.

And

Unless otherwise specified Year 11 Assessment is Formative and Year 12 Assessment is Summative.

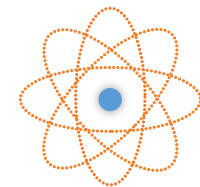
FAIRHOLME SCIENCE DEPARTMENT



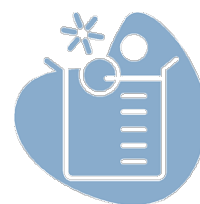
Course: Grade 11 Chemistry

Outline: SEMESTER 1, 2017

Introduction: In semester 1, a review of atomic structure and the periodic table is undertaken. Core chemical principles are addressed that are fundamental to the remainder of the course. A variety of reaction-types are discussed to develop key concepts and reaction theory. Stoichiometry calculations are required for quantitative analysis.

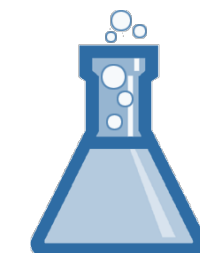


Furthermore, the microscopic properties of matter are used to explain the macroscopic properties of materials. Metals and plastics are examined to link their physical properties, (e.g. strength, flexibility, ease of manufacture) with their molecular structures.



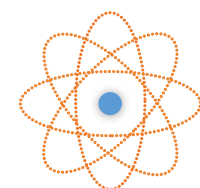
Term One – Core Chemistry

- Physical and Chemical Properties
- Atomic Structures
- Molecular Structures and Chemical Bonding
- Chemical Equations
- Particle and Collision Theory
- Reactions Types
- The Mole and Stoichiometry



Term Two – Material Made for a Purpose

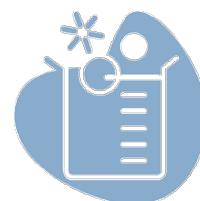
- Review of Intramolecular Bonding
- Intermolecular Forces of Attraction
- Organic Chemistry
- Polymers



Assessment Summary:

Term One: Core Chemistry

Week	Date	Assessment Task	Formative/Summative
8	Exam Block	90 Minute Examination	Formative



Term Two: Materials Made for a Purpose

Week	Date	Assessment Task	Formative/Summative
7	Exam Block	90 Minute Examination	Formative