

Queen Margaret College
Year 13 Chemistry Programme 2019
Level 8 of the New Zealand Curriculum

Standard Number	Achievement Standard Title	Credits	Internal / External	Proposed assessment date
AS91391, 3.5	Demonstrate understanding of the properties of organic compounds	5	External	End of year examinations
AS91388, 3.2	Demonstrate understanding of spectroscopic data in chemistry	3	Internal	Term 3, Week 2
AS91390, 3.5	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External	End of year examinations
AS91393, 3.7	Demonstrate understanding of oxidation-reduction processes	3	Internal	Term 1, Week 6
AS91392, 3.6	Demonstrate understanding of equilibrium principles in aqueous systems	5	External	End of year examinations

Course details

This course continues to build upon the theory and skills learned in Year 12 Chemistry. Included are three external achievement standards, which are assessed by national examinations at the end of the year. These topics are *Thermochemical Principles and Properties of Particles* and *Equilibrium Principles and Aqueous Chemistry*. Two internally assessed standards are also offered. Students will learn to process and analyse spectroscopic data. They will also compare and contrast two applications of oxidation-reduction processes. **Students with a passion for Chemistry are encouraged to extend their learning through Scholarship Chemistry.**

Course Information

- Students are issued with a ESA Study Guide which is to be returned at the end of the year
- Students will be using a sciPAD workbook. This covers the external achievement standards.
- The teacher for NCEA Level 3 Chemistry in 2018 is Vanessa Gray.

Homework expectations

Your daughter should be learning at home for a total of at least 15 hours per week, across all subjects.

To achieve at a high level in this subject, students are expected to complete some homework during the week. Homework might include:

- Completing any unfinished classwork.
- Completing workbook/worksheet exercises or practice examination questions.
- Going over classwork to identify any gaps in understanding which should be raised with the teacher in the following lesson.
- Pre-reading subject matter for upcoming lessons.