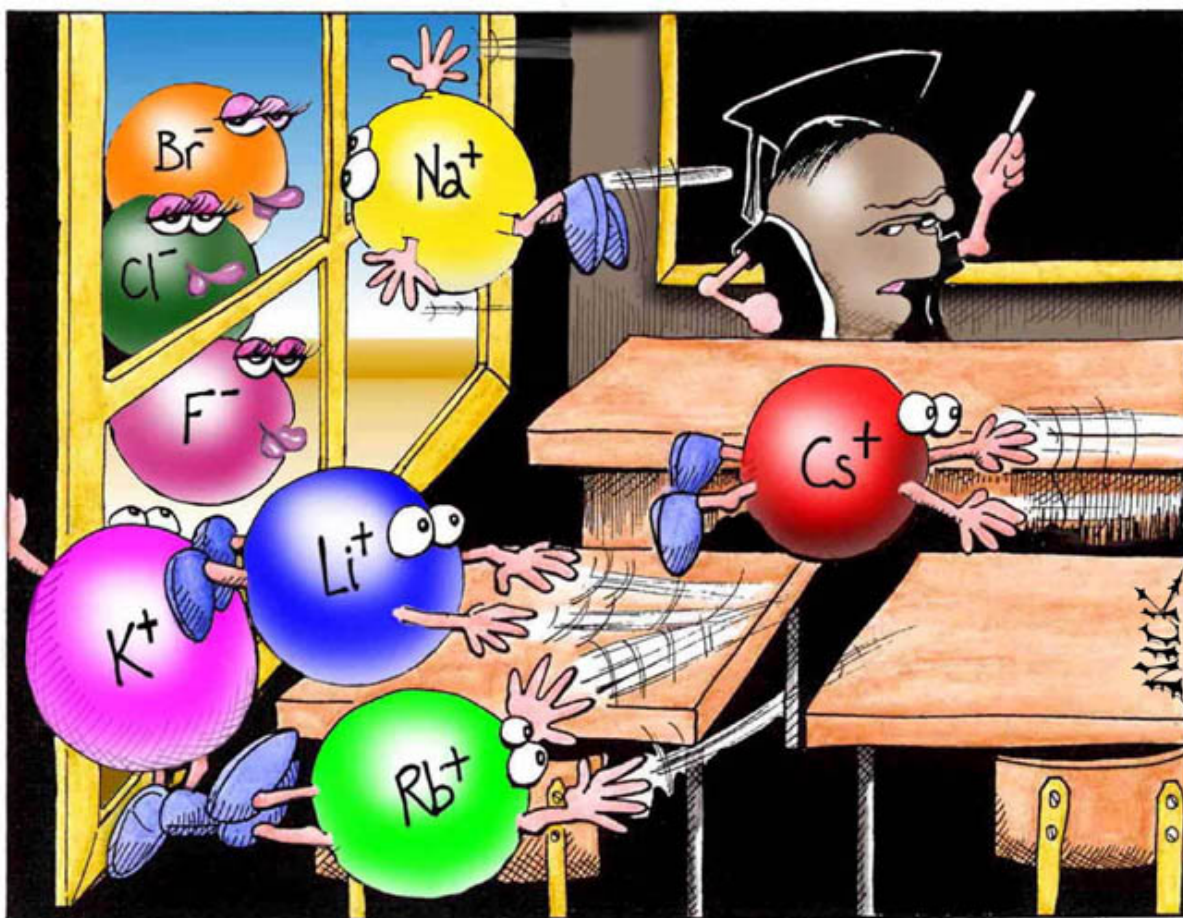


Chemistry 2020

Course Information

Year 13



“Perhaps one of you gentlemen would mind telling me just what it is outside the window that you find so attractive..?”

Year Planner 2020

CHEMISTRY

LEVEL THREE

Teacher: Bd, Sb

Week		Date			
TERM ONE					
1	A	27 January	-	31 January	Chemistry 3.5 (E) ORGANIC STRUCTURES Demonstrate understanding of the properties of organic compounds (AS 91391 5 credits) Waitangi Day Thursday 6 th
2	B	3 February	-	7 February	
3	A	10 February	-	14 February	
4	B	17 February	-	21 February	
5	A	24 February	-	28 February	Chemistry 3.2 (I) Demonstrate understanding of spectroscopic data in chemistry (AS 91388 3 credits)
6	B	2 March	-	6 March	
7	A	9 March	-	13 March	Chemistry 3.4 (E) Demonstrate understanding of thermochemical principles and the properties of particles and substances Friday 3 rd :12.30pm finish
8	B	16 March	-	20 March	
9	A	23 March	-	27 March	
10	B	30 March	-	3 April	
		6 April	-	10 April	Good Friday 10 th
		13 April	-	17 April	Easter Monday 13 th , Easter Tuesday 14 th
		20 April	-	24 April	Anzac Day Saturday 25 th
1	A	27 April	-	1 May	Anzac Day observed Monday 27th TERM TWO
2	B	4 May	-	8 May	Chemistry 3.4 (E) (AS 91390 5 credits) Derived grade test week 5
3	A	11 May	-	15 May	
4	B	18 May	-	22 May	Chemistry 3.7 (I) Demonstrate understanding of oxidation-reduction processes (AS 91393 3 credits) Queen's B/D Monday 1 st
5	A	25 May	-	29 May	
6	B	1 June	-	5 June	
7	A	8 June	-	12 June	
8	B	15 June	-	19 June	Chemistry 3.5 (E) ORGANIC REACTIONS Friday 3 rd :3.15pm finish
9	A	22 June	-	26 June	
10	B	29 June	-	3 July	
		6 July	-	10 July	
		13 July	-	17 July	
		20 July	-	24 July	TERM THREE
1	A	27 July	-	31 July	Chemistry 3.5 (E) Polymerisation Derived grade test week 5
2	B	3 August	-	7 August	
3	A	10 August	-	14 August	Senior exams 19th -21st
4	B	17 August	-	21 August	
5	A	24 August	-	28 August	
6	B	31 August	-	4 September	Chemistry 3.6 (E) Demonstrate understanding of equilibrium principles in aqueous systems (AS 91392 5 credits) OR Chemistry 3.1 (I) Carry out an investigation in chemistry involving quantitative analysis (AS91387 4 credits) Friday 25 th :12.30pm finish
7	A	7 September	-	11 September	
8	B	14 September	-	18 September	
9	A	21 September	-	25 September	
		28 September	-	2 October	
		5 October	-	9 October	
1	B	12 October	-	16 October	TERM FOUR
2	A	19 October	-	23 October	Derived grade test 3.6
3	B	26 October	-	30 October	
4	A	2 November	-	6 November	Labour Day Monday 26 th
5	B	9 November	-	13 November	Show Day Friday 13 th
6	A	16 November	-	20 November	
7	B	23 November	-	27 November	
8	A	30 November	-	4 December	Wednesday 2 nd :11.30am finish (Prizegiving evg)

NCEA LEVEL 3 (Year 13) Chemistry 2019

Course information for Students

Welcome to Chemistry in 2019! We hope you will enjoy and be challenged by the topics covered this year. This course aims to prepare you for future studies in Chemistry or meet the requirements for entry to other tertiary courses.

What will I do in Year 13 Chemistry?

Year 13 Chemistry builds on many of the concepts learnt in Year 12 Chemistry. You will continue to develop practical skills, linking observation with chemical species and explaining the observations.

What will I learn in Year 13 Chemistry?

The content focus of Year 13 Chemistry is

- 1) Comparing electrolysis and electrochemical cells.
- 2) Explaining Periodic trends and intermolecular forces.
- 3) Understanding how the functional groups of organic molecules determine their reactivity.
- 4) Using spectroscopic data to identify organic molecules
- 5) Applying equilibrium principles to solubility and acid and base behaviour.

Achievement Standards offered in 2019

Achievement Standard Number	Subject reference	Version number	Topic/Title	Mode of Assessment	Credits	Literacy/Numeracy
91393	3.7	2	Demonstrate understanding of oxidation-reduction processes	Internal	3	
91390	3.4	2	Demonstrate understanding of thermochemical principles and the properties of particles and substances	External	5	
91391	3.5	2	Demonstrate understanding of the properties of organic compounds	External	5	
91388	3.2	2	Demonstrate understanding of spectroscopic techniques	Internal	3	
91392	3.6	2	Demonstrate understanding of equilibrium principles in aqueous systems	External	5	
91387	3.1	2	Carry out an investigation in chemistry involving quantitative analysis	Internal	4	Writing

Achievement Standard 3.1 will be offered as an Internal Standard option to replace External Achievement Standard 3.6. A decision on which standards you wish to complete can be made in Term Three.

Assessment Procedures

Information regarding the school policy on assessment, authenticity and appeal procedures is found on www.rangilife.school.nz (Student links/Curriculum support/NCEA).

It is very important that you understand the policies and procedures about assessment and if you have any concerns then please ask your Chemistry teacher.

Internally Assessed Achievement Standards

Internally assessed standards will be checked and marked for consistent marking across classes.

When the result has been checked and you have agreed with the way in which the assessment was marked you will be asked to sign the assessment cover sheet.

All internally assessed work will be filed at school as it is likely that some of the internally assessed standards will need to be submitted to NZQA for moderation. Moderation is used to ensure that the school is assessing at the required standard.

A second assessment opportunity may be offered. This will depend on the nature of the task. The second opportunity will take place out of class time.

Student Obligations

Your obligations include:

- Ensure that you understand the assessment programme and policy
- Ensure you understand the requirements of each internal assessment being completed
- Check thoroughly the accuracy of the marking of internal assessments when it is returned
- Discuss any concerns with your Chemistry teacher

The Award of Year 12 and 13 subject prizes at the end of year Prize Giving.

Top subject awards are based on the whole year's academic performance in the subject. The subject co-ordinators use their professional judgment to select award winners based on the following criteria:

- The proportion of Excellence grades in **Achievement Standards**
- Completion of a standard at the first attempt, as well as the comparative quality and quantity of a student's class work in general.
- Completion of all compulsory standards offered in the course.
- Completion of all standards to a high level in the school examinations.
- Consistent effort made in homework throughout the year.
- Satisfactory class attendance throughout the year.