

# Year 12 CHEMISTRY

## NCEA Level 2

### Course Outline 2021

This course is based on The New Zealand Curriculum, Level 7 Nature of Science and Material World achievement objectives. It aims to develop knowledge of chemistry and its contribution to society. This course ensures all the main principles and skill required are covered to enable a student to be assessed for NCEA Level 2 Chemistry and to provide a strong base for future study. It is structured around 5 units of work (2 internal and 3 external).

The textbook used this year is **SciPad**  
You will also use the **ESA Level 2 Chemistry Study Guide**

Achievement Standard Number	Title	Credits	Assessment
Chem 2.1 - AS91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	4	Internal
Chem 2.4 - AS91164	Demonstrate understanding of bonding, structure, properties and energy changes	5	External
Chem 2.5 - AS91165	Demonstrate understanding of the properties of selected organic compounds	4	External
Chem 2.6 - AS91166	Demonstrate understanding of chemical reactivity	4	External
Chem 2.7 - AS91167	Demonstrate understanding of oxidation-reduction	3	Internal

There is an opportunity to obtain **20** credits in total.

The 2 internally assessed Level 2 Achievement Standards will be assessed at the following times:

- AS91161 (2.1) Carry out quantitative analysis: **Week 3 Term 2\***
- AS91167 (2.7) Demonstrate understanding of oxidation-reduction: **Week 4 Term 3\***

[\*note these are indicative only, actual dates will be advised at least a week before]

The remaining Level 2 Achievement Standards will be externally assessed in November/December.

Information regarding NCEA Assessment in Chemistry can be found at [www.nzqa.govt.nz/chemistry](http://www.nzqa.govt.nz/chemistry).

## 2021 Term Calendar

Year 12 Chemistry (topic lengths are a rough guide only)

W	Month	Date	Topic	Assessment/Notes
1	February	1-5	Aqueous Chemistry Intro	Thurs 4th February – Year 7 & 13 Friday 1 <sup>st</sup> February Full School
2	February	9-12		Waitangi Day Monday 8th
3	February	15-19	2.6 Chem Reactivity	
4	February	22-26		
5	March	1-5		
6	March	9-12		
7	March	15-19		
8	March	22-26		2.6 End of Unit Test
9	March/April	29-1	2.1 Quantitative	Good Friday 2 <sup>nd</sup> April
10	April	7-9		Easter Mon/Tue, 5 <sup>th</sup> /6 <sup>th</sup>
11	April	12-16		
	April	19-23		
	April	26-30		Anzac Day holiday 27 <sup>th</sup> April
1	May	3-7		
2	May	10-14		
3	May	17-21		2.1 INTERNAL
4	May	24-28	2.4 Structure and Bonding	
5	May/June	31-4		
6	June	8-11		Queen's Birthday 7th June
7	June	14-18		
8	June	21-25		
9	July	28-2		
10	July	5-9		2.4 End of Unit Test
	July	12-16		
	July	19-23		
1	July	26-30	2.7 Redox	
2	August	2-6		
3	August	9-13		
4	August	16-20		2.7 INTERNAL
5	August	23-27	2.5 Organic	
6	Aug/Sept	30-3		
7	September	6-11		Tournament week
8	September	13-17		
9	September	20-24		
10	Sept/Oct	27-1		2.5 End of Unit Test
	October	4-8		
	October	11-15		
1	October	18-22		IEE
2	October	26-29		Labour Day 25 <sup>th</sup> Oct
3	November	1-5		
4	November	8-12		
5	November	15-19		Level 2 NCEA Chemistry External Exam 9.30am Friday 19th November
6	November	22-26		
7	Nov/Dec	29-3		