

Year 13 CHEMISTRY

NCEA Level 3

Course Outline 2021

This course is based on The New Zealand Curriculum, Level 8 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 3 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 3 Chemistry Study Guide**

Achievement Standard Number	Title	Credits	Assessment
Chem 3.2 - AS91388	Demonstrate understanding of spectroscopic data in chemistry	3	Internal
Chem 3.4 - AS91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External
Chem 3.5 - AS91391	Demonstrate understanding of the properties of organic compounds	5	External
Chem 3.6 - AS91392	Demonstrate understanding of equilibrium principles in aqueous systems	5	External
Chem 3.7 - AS91393	Demonstrate understanding of oxidation-reduction processes	3	Internal

There is an opportunity to obtain **21** credits in total.

The two internally assessed Level 3 Achievement Standards will be assessed at the following times:

- AS91387 (3.2) Spectroscopy: **Week 4 Term 3***
- AS91393 (3.7) Demonstrate understanding of oxidation-reduction: **Week 6 Term 1***

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

Information regarding NCEA Assessment in Chemistry can be found at www.nzqa.govt.nz/chemistry.

2021 Term Calendar

Year 13 Chemistry (topic lengths are a rough guide only)

W	Month	Date	Topic	Assessment/Notes
1	February	1-5	3.7 Redox	Thurs 4th February – Year 7 & 13 Friday 1 st February Full School
2	February	9-12		Waitangi Day Monday 8th
3	February	15-19		
4	February	22-26		
5	March	1-5		
6	March	9-12		3.7 INTERNAL
7	March	15-19	3.6 Aqueous	
8	March	22-26		
9	March/April	29-1		Good Friday 2 nd April
10	April	7-9		Easter Mon/Tue, 5 th /6 th
11	April	12-16		
	April	19-23		
	April	26-30		Anzac Day holiday 27 th April
1	May	3-7		
2	May	10-14		3.6 End of Unit Test
3	May	17-21	3.5 Organic	
4	May	24-28		
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		3.5 End of Unit Test
10	July	5-9	3.2 Spectroscopy	
	July	12-16		
	July	19-23		
1	July	26-30		
2	August	2-6		
3	August	9-13		
4	August	16-20		3.2 INTERNAL
5	August	23-27	3.4 Thermo Chemistry	
6	Aug/Sept	30-3		
7	September	6-11		
8	September	13-17		
9	September	20-24		
10	Sept/Oct	27-1		3.4 End of Unit Test
	October	4-8		
	October	11-15		
1	October	18-22		IEE
2	October	26-29		Labour Day 25 th Oct
3	November	1-5		
4	November	8-12		
5	November	15-19		
6	November	22-26		
7	Nov/Dec	29-3		