

# Chemistry

# Level 2

## Course Requirements:

Level 2 Chemistry is an option for students in the Health Academy AND any other student who has completed the level 1 Science course.

## Aims:

To develop an understanding of Chemistry in four fundamental areas: Organic Chemistry, Structure and Bonding, Chemical Reactivity and Quantitative Analysis.

## Course Content:

Level 2 Chemistry covers the theory and practical applications to develop the understanding of key concepts and phenomena relating to the synthesis and properties of organic compounds, Structure and Bonding, Chemical Reactivity and Oxidation and Reduction reactions. Practical skills in analytical chemistry and the identification of ions in solution are also covered.

## Where can this subject take you?

Level 2 Chemistry provides a solid foundation for level 3 Chemistry and further studies in many diverse fields from chemical engineering to food science

## Further Assessment Opportunity and Resubmission (Refer to student Handbook for more information)

A further assessment opportunity occurs after you have submitted work / sat a test for an assessment; you do a new assessment after further learning has taken place. For this course there will be one further assessment opportunity for each standard. A resubmission can be offered to you by the teacher if they believe you can correct errors or omissions in your work in a short period of time; it does not involve a new assessment. A resubmission must take place before the teacher gives any feedback on the work done. There can be only one resubmission.

## Appeals (Please refer to student Handbook for more information)

If you are unhappy with any of your results you should discuss this with your teacher. If you are still unhappy then an Appeals form should be completed; this is available from the HoF; forms need to be completed and returned to your HoF within 5 school days of receiving your grade. If you are still not happy you can then see the Principal's Nominee. At NO time, during this process, should you contact NZQA.

## Head of Faculty

Mr Chand      a.chand@jchs.school.nz

## Assessment Chart

Number	Title	Credits	US/AS	Internal/ External	Format	Literacy	Numeracy	Indicative date
91161	Quantitative analysis of a mixture	4	AS	Int	Experiment & calculation		Num	Term 2
91163	Demonstrate understanding of Chemistry in the development of current technology	3	AS	Int	Research	L1Lit		Term 1
91167	Demonstrate an understanding of oxidation reduction chemistry	3	AS	Int	Experiment & write up			Term 1
91164	Demonstrate an understanding of chemical reactivity	5	AS	Ext	Exam	L1Lit		Term 4
91165	Demonstrate an understanding of the properties of organic compounds	4	AS	Ext	Exam	L1Lit		Term 4
91166	Demonstrate an understanding of bonding, structure, and energy	4	AS	Ext	Exam	L1Lit		Term 4

### Entry into externals will be based on:

A common consensus early in term 2 in relation to a parent teacher student negotiation about the precise and intended path of study for the student.