

Chemistry

Level: Stage 2

Course length: Full year

Credit value: 20 Credits

Advice to students

SACE Stage 2 Chemistry is organised so that the three strands of: science inquiry skills, science as a human endeavour and science understanding, are integrated throughout the subject. Many of the concepts studied in Stage 2 Chemistry build on concepts introduced in Stage 1 Chemistry.

In this subject, students are expected to:

1. apply science inquiry skills to design and conduct chemistry investigations using appropriate procedures and safe, ethical working practices
2. obtain, record, represent, analyse and interpret the results of chemistry investigations
3. evaluate procedures and results, and analyse evidence to formulate and justify conclusions
4. develop and apply knowledge and understanding of chemical concepts in new and familiar contexts
5. explore and understand science as a human endeavour
6. communicate knowledge and understanding of chemical concepts using appropriate terms, conventions and representations.

Course overview

This course consists of four topics:

1. Monitoring the environment
2. Managing chemical processes
3. Organic and Biological Chemistry
4. Managing resources

Assessment

Students demonstrate evidence of their learning through the following assessment types:

School-based assessment

- | | |
|---------------------------------|-----|
| • Investigations Folio | 30% |
| • Skills and Applications tasks | 40% |

External assessment

- | | |
|---------------|-----|
| • Examination | 30% |
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Pathways

Provides background knowledge and skills necessary for further study or direct employment in chemistry and other sciences and technologies.

Further information

Students are strongly advised to purchase the SASTA Chemistry Study Guide (usually available early Term 2).

They are also encouraged to purchase an Essential Workbook for Stage 2 Chemistry.