KINGSCLIFF HIGH SCHOOL
Subject Selection Information

KINGSCLIFF HIGH SCHOOL

ACHIEVEMENT THROUGH ENDEAVOUR

Faculty: Science

Subject: Chemistry

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Classification of the Course:

Board Developed Course

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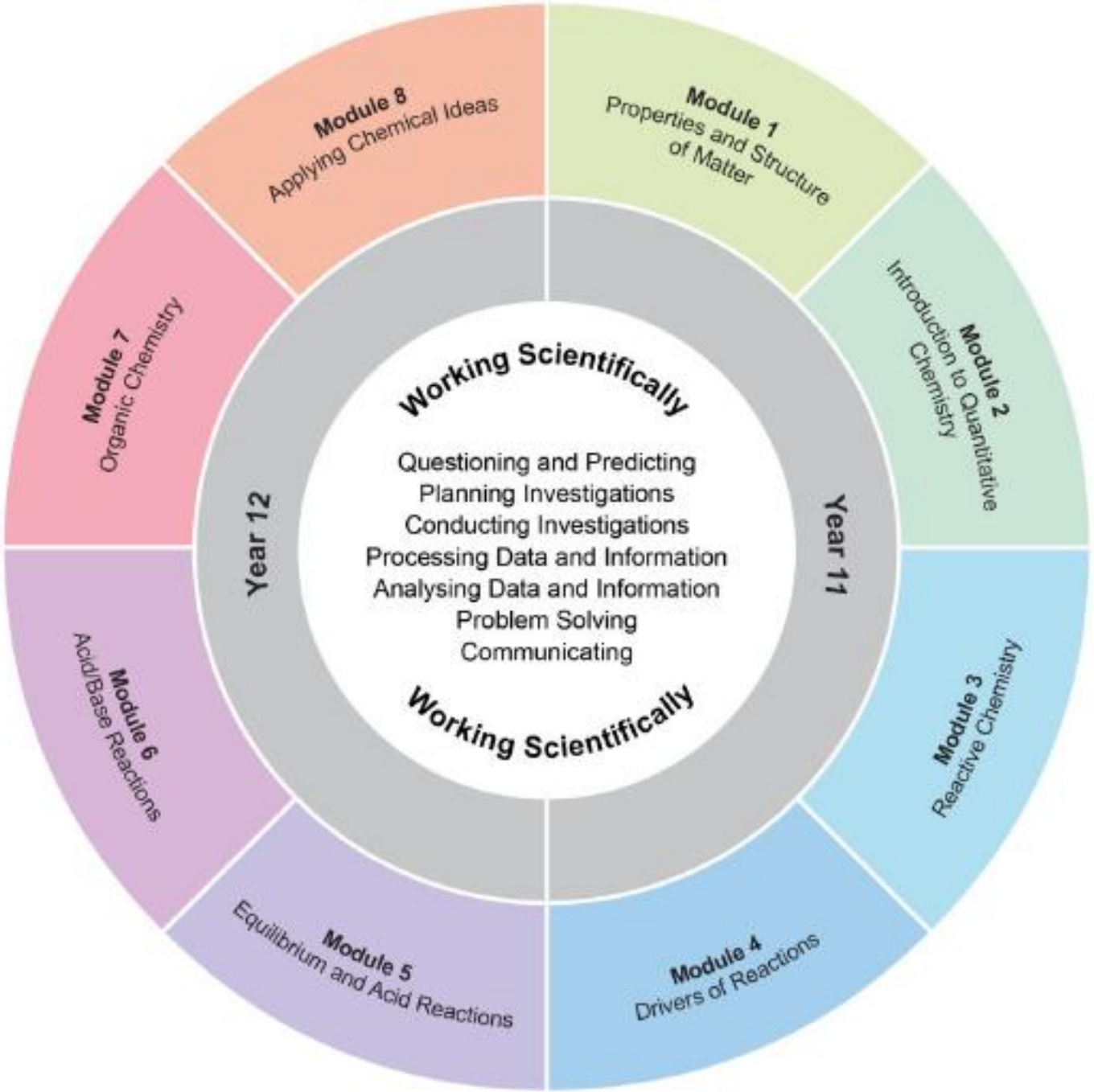
Nature of the Course

The **Year 11** course develops the knowledge, understanding and skills in relation to the properties and structures of matter, the types and drivers of chemical reactions and how we measure the quantities involved in these processes.

The **Year 12** course builds on the concepts introduced in Year 11 by examining particular classes of chemicals, processes and a variety of chemical reactions which incorporate organic compounds and acid/base equilibrium reactions. The course challenges students to apply this knowledge to the investigation of a range of methods used in identifying and measuring quantities of chemicals, which leads to an understanding of the structure, properties and trends of and between classes of chemicals.



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Nature of the Course

Nature of the Course

Year 11 Course Structure and Requirements

		Modules	Indicative hours	Depth studies
Year 11 course **(120 hours)**	**Working Scientifically Skills**	**Module 1** Properties and Structure of Matter	60	*15 hours in Modules 1–4
		Module 2 Introduction to Quantitative Chemistry		
		Module 3 Reactive Chemistry	60	
		Module 4 Drivers of Reactions		

*15 hours must be allocated to depth studies within the 120 indicative course hours.

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Nature of the Course

Year 12 Course Structure and Requirements

		Modules	Indicative hours	Depth studies
Year 12 course **(120 hours)**	**Working Scientifically Skills**	**Module 5** Equilibrium and Acid Reactions	60	*15 hours in Modules 5–8
		Module 6 Acid/Base Reactions		
		Module 7 Organic Chemistry	60	
		Module 8 Applying Chemical Ideas		

*15 hours must be allocated to depth studies within the 120 indicative course hours.

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HSC Exam: Yes

Length of Exam: 3 hours

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Internal Assessment Structure

The Year 11 Chemistry assessment program is:

- Working Scientifically (practical) task
- Depth Study
- Yearly Examination

The Year 12 Chemistry assessment program is :

- Working Scientifically (practical) task
- Depth Study
- Half-Yearly Examination
- Yearly Examination

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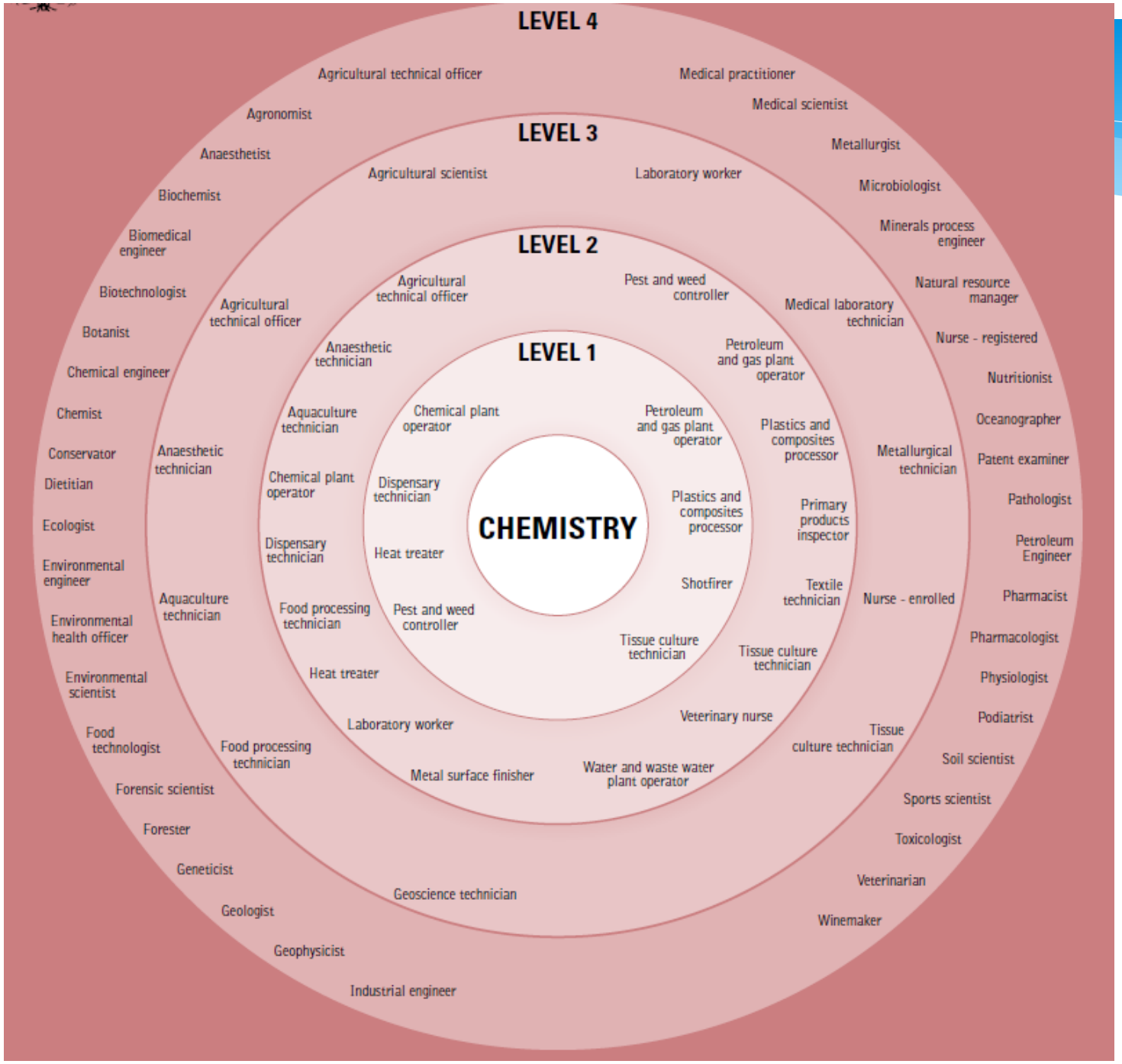
Skills Required for this subject and/or any Prerequisites:

- Students are to have achieved a sound knowledge and understanding of scientific content gained in K-10 science. A general capability in the working scientifically skills is also preferred.
- Students should have an interest in the sciences, especially with chemical processes and principles.
- A general understanding of scientific literacy will also assist students in the course.



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Career Opportunities

If you would like to know more

If you would like to know more about Stage 6 Chemistry:

- Talk to your Science teacher or Mrs O'Keeffe, Head Teacher Science