KINGSCLIFF HIGH SCHOOL
Subject Selection Information

KINGSCLIFF HIGH SCHOOL

ACHIEVEMENT THROUGH ENDEAVOUR

Faculty: Science

Subject: Earth and Environmental Science

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Classification of the Course:

Board Developed Course

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Nature of the Course

The **Year 11** course investigates compositional layers of the Earth, the origins of minerals, tectonic movements and energy transformations and includes the study of human impact on the Earth's resources and its surface.

The **Year 12** course investigates how the processes of plate tectonics, the formation of water and the introduction of life interact with the atmosphere, hydrosphere, lithosphere and climate. Investigation of hazards, the mitigation of their effects and resource management are also considered, which leads to an understanding of the need to centralise the theme of sustainability for the long-term welfare of our planet and all forms of life dependent upon it.

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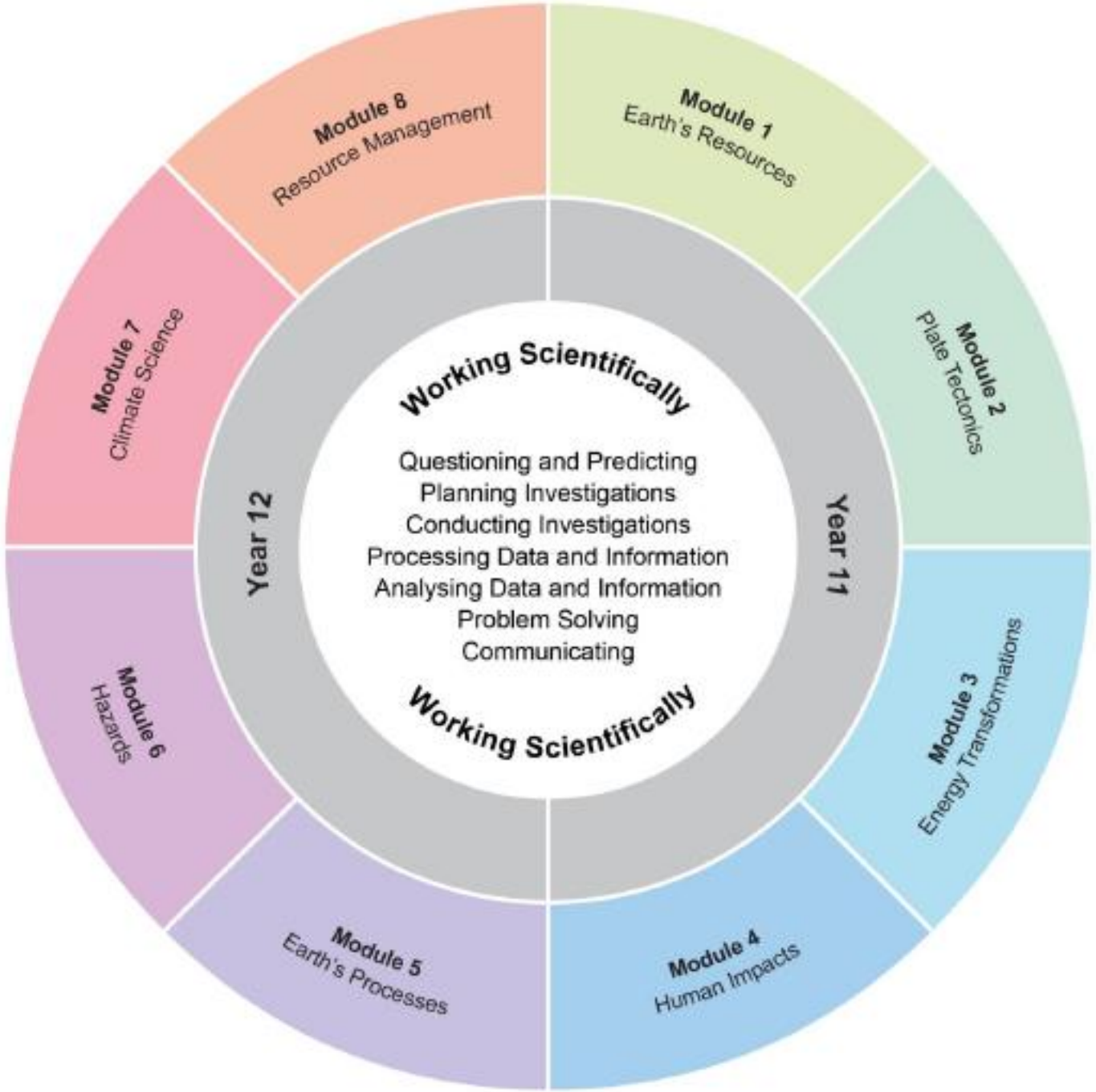
Nature of the Course



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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** Earth's Resources	60	*15 hours in Modules 1–4
		Module 2 Plate Tectonics		
		Module 3 Energy Transformations	60	
		Module 4 Human Impacts		

*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** Earth's Processes	60	*15 hours in Modules 5–8
		Module 6 Hazards		
		Module 7 Climate Science	60	
		Module 8 Resource Management		

*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 Earth and Environmental Science assessment program is:

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

The Year 12 Earth and Environmental Science assessment program is :

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

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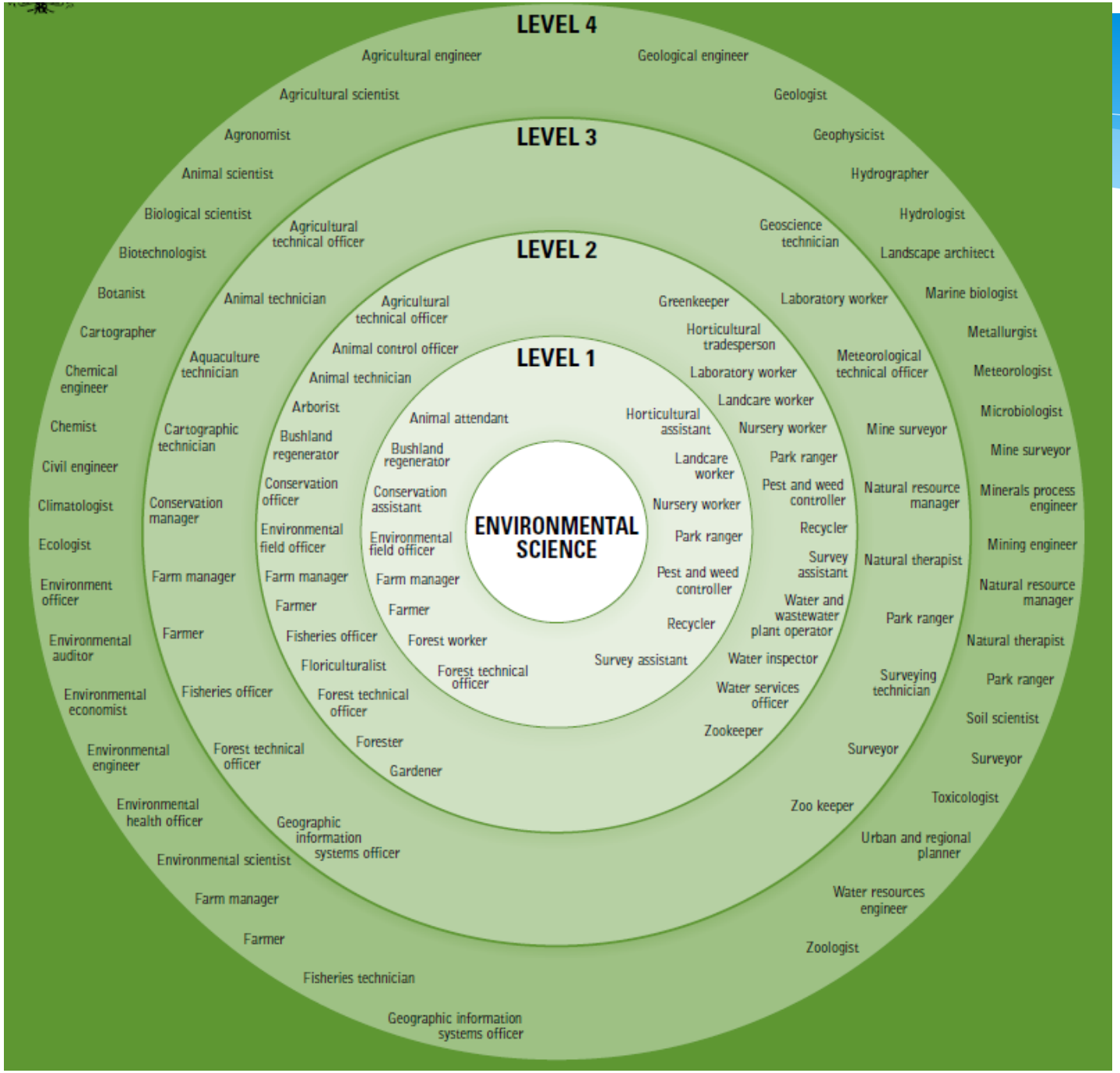
Skills Required for this subject and/or any Prerequisites:

- 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 systems, processes and principles associated with the study of the Earth, its environments and its interactions.
- 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 Earth and Environmental Science:

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