



EARTH AND SPACE SCIENCE

3ESS

What is this course about?

This is a science course covering both practical and theoretical concepts of Earth and Space systems. It includes topics in ocean, atmosphere and astronomy. This is suited to students wishing to study courses such as Environmental Science, Marine Biology, Climate Science and Geography.

What sorts of things will I do?

Earth and space science explores the interconnections between the land, ocean, atmosphere, and life of our planet. These include the cycles of water, carbon, rock, and other materials that continuously shape, influence, and sustain the Earth and its inhabitants. ESS also explores the cyclical interactions between the Earth system and the Sun and Moon.

What standards can I enter?

NCEA Level	Standard Number	Name of Standard	Version number	Credits	Assessment	Approximate assessment date
3	91415	Investigate an aspect of astronomy	2	4	Internal R	Term 1
3	91410	Carry out an independent practical Earth and Space Science investigation	2	4	Internal R	Term 2
3	91411	Investigate a socio-scientific issue in an Earth and Space Science context	2	4	Internal R	Term 2-3
Internal Pathway						
3	91412	Investigate the evidence related to dating geological event(s)	2	4	Internal	Term 3-4
External Pathway						
3	91413 91414	Demonstrate understanding of processes in the ocean system AND Demonstrate understanding of processes in the atmosphere system	2	4 each	External B	NZQA Exam Timetable TBC

Key for assessment column:

N - L1 and UE numeracy; **L** - L1 literacy; **R** - UE reading literacy; **W** - UE writing literacy; **B** - UE reading or writing literacy.

Vocational Pathways



Vocational Credits: 24 | Other Credits: 0 | Total: 24

R = Recommended SR = Sector Related

Frequently asked questions

Are there any further assessment opportunities (reassessments) for standards assessment in this course?

In 2020 it is unlikely there will be further assessment opportunities. Students are encouraged to discuss appropriate submission dates with their teacher so they are able to take responsibility for their learning and turn in work when they are ready. Students should be aware that taking longer than the recommended time to complete the assessment may result in reduced credits from the course.

What stationery, do I need?

The usual basic stationery and:

- we highly recommend bringing your own internet and capable device in order to use google apps in class and at home, and to use Education Perfect.
- to supplement your record of learning on google apps please purchase a 2B8 hardcover lecture book
- pencils and a ruler for diagrams and graphing
- scissors and glue will be useful

What about homework and workbooks?

We extensively use google classroom, google apps, other online sites and therefore please ensure students bring an appropriate device to access these applications. You have the option to buy in workbooks to help you prepare for external assessments.

Can I get University Entrance in this subject?

- Yes. This is a university approved subject.

Subject requirements for assessment authenticity

For assessments in this course which are progressed over time, students will be required to use the material provided via the Google classroom. Students will be made aware of assessment conditions via the Google classroom. Teachers will regularly check student work and monitor revision history on documents and require work to include references and/or bibliographies (where applicable).

For assessments in this course which take place in formal test or exam conditions, students are required to leave all bags and personal items at a designated point. They must not talk or communicate to anyone except for the teacher.

Teachers will use the schools breach of authenticity procedures if in any doubt. [NOTE: Inauthentic work is often a result of unclear assessment conditions, copying from another person or public source, too much guidance from a teacher, parent or tutor or sharing work with other students].