



Science

3SAGH Assessment Statement 2021

Course is endorsable

Year : 13		Course : Agricultural and Horticultural Science				Mr D Matthews		Total Credits : 19			
This subject is for students interested in a career in Agriculture or Horticulture. Those wishing to study Agriculture & Horticulture at tertiary level should also study Chemistry, Biology and Calculus as well.											
WHAT WILL I LEARN?											
<ul style="list-style-type: none"> Current trends and innovations in the Agriculture & Horticulture Sectors. Analysis of a primary production environmental issue. Investigation of a primary production process. 											
No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91528	2	3	4	Num, L1 Lit	Agricultural and Horticultural Science 3.1 - Carry out an investigation into an aspect of a New Zealand primary product or its production	Assignment	1	10/05/2021		
2	91529	2	3	6	Num, L1 Lit, B Lit	Agricultural and Horticultural Science 3.2 - Research and report on the impact of factors on the profitability of a New Zealand primary product	Assignment	1	24/09/2021		
3	91531	2	3	4	L1 Lit, B Lit	Agricultural and Horticultural Science 3.4 - Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product	Exam	External	19/11/2021		
4	91532	2	3	5	L1 Lit, B Lit	Agricultural and Horticultural Science 3.5 - Analyse a New Zealand primary production environmental issue	Exam	External	19/11/2021		

Qualifications - You can see what qualifications the school offers and what qualification(s) this course leads towards on the school's website. Also you can see the courses, pathways, requirements for certificate endorsement, exclusion list of standards, and details on credit inclusion.

NZQA - For a range of information on the National Certificate of Educational Achievement, University Entrance, and Scholarship go to <http://www.nzqa.govt.nz/ncea/index.html>

Assessment Opportunities Offered - In addition to what is listed above, other authentic standard specific evidence may be used instead of a formal assessment event. See your teacher for details.

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Moderated Assessment Results are generally available 3 school weeks after the assessment due date.



Science

3SBIO Assessment Statement 2021

Course is endorsable

Year : 13	Course : Biology	Mrs A Baxter	Total Credits : 20
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At tertiary level this subject is closely connected to Chemistry. It is advised to consider biology in combination with chemistry.

WHAT WILL I LEARN?

- Biology language, structures, functions and processes.
- Research and biological report writing skills.
- How biological technology is challenging societies standards.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91604	2	3	3	L1 Lit, R Lit	Biology 3.4 - Demonstrate understanding of how an animal maintains a stable internal environment	Assignment	1	14/06/2020		
2	91601	2	3	4	Num, L1 Lit	Biology 3.1 - Carry out a practical investigation in a biological context, with guidance	Practical	1	26/03/2020		
3	91603	3	3	5	L1 Lit, B Lit	Biology 3.3 - Demonstrate understanding of the responses of plants and animals to their external environment	Exam	External	17/11/2020		
4	91605	2	3	4	L1 Lit, B Lit	Biology 3.5 - Demonstrate understanding of evolutionary processes leading to speciation	Exam	External	17/11/2020		
5	91606	2	3	4	L1 Lit, B Lit	Biology 3.6 - Demonstrate understanding of trends in human evolution	Exam	External	17/11/2020		

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3SCHE Assessment Statement 2021

Course is endorsable

Year : 13		Course : Chemistry			Ms N Singh			Total Credits : 25			
Chemistry is a link to other Science subjects such as Biology and Physics at tertiary level. An interest and passion for finding out how substances exist and react with one another and the application of it in the real world is needed.											
WHAT WILL I LEARN?											
· Plan and carry out an extended investigation, form links between oxidation-reduction reaction, understanding shapes and polarity and properties of molecules, calculations involving thermochemistry, understand structure, properties and reactivity of organic molecules, determining structure of molecules using spectroscopy data.											
No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91387	2	3	4	Num, L1 Lit, W Lit	Chemistry 3.1 - Carry out an investigation in chemistry involving quantitative analysis	Investigation	1	8/04/2021		
2	91388	2	3	3		Chemistry 3.2 - Demonstrate understanding of spectroscopic data in chemistry	Test	2	13/09/2021		
3	91393	2	3	3	L1 Lit	Chemistry 3.7 - Demonstrate understanding of oxidation-reduction processes	Test	2	26/10/2021		
4	91390	2	3	5	L1 Lit	Chemistry 3.4 - Demonstrate understanding of thermochemical principles and the properties of particles and substances	Exam	External	23/11/2021		
5	91391	2	3	5	L1 Lit	Chemistry 3.5 - Demonstrate understanding of the properties of organic compounds	Exam	External	23/11/2021		
6	91392	2	3	5	Num, L1 Lit	Chemistry 3.6 - Demonstrate understanding of equilibrium principles in aqueous systems	OPTIONAL	External	23/11/2021		

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Science

3SPHY Assessment Statement 2021

Course is endorsable

Year : 13	Course : Physics	Miss M Ashford	Total Credits : 22
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This subject would appeal to those students who have mathematical ability and are interested in finding out how things work.

WHAT WILL I LEARN?

- Physics formula, how these are applied.
- Explaining how "things work".
- How this can be applied to the real world.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91525	2	3	3	L1 Lit	Physics 3.5 - Demonstrate understanding of Modern Physics	Test	1	2/04/2021		
2	91522	2	3	3	L1 Lit	Physics 3.2 - Demonstrate understanding of the application of physics to a selected context	Optional	1	24/09/2021		
3	91523	2	3	4	L1 Lit	Physics 3.3 - Demonstrate understanding of wave systems	Exam	External	25/11/2021		
4	91524	2	3	6	L1 Lit	Physics 3.4 - Demonstrate understanding of mechanical systems	Exam	External	25/11/2021		
5	91526	2	3	6	L1 Lit	Physics 3.6 - Demonstrate understanding of electrical systems	Exam	External	25/11/2021		

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Science

3SSCE Assessment Statement 2021

Course is endorsable

Year : 13

Course : Earth Science

Mrs S Wild

Total Credits : 24

This subject is recommended for students intending to study geology, environmental science, marine studies, or any science based degree.

WHAT WILL I LEARN?

- Skills include being able to research and write scientific reports, investigate and complete a field study.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91410	2	3	4	Num, L1 Lit, B Lit	Earth and Space Science 3.1 - Carry out an independent practical Earth and Space Science investigation	Investigation	1	09/07/2021		
2	91411	2	3	4	L1 Lit, B Lit	Earth and Space Science 3.2 - Investigate a socio-scientific issue in an Earth and Space Science context	Assignment	2	19/03/2021		
3	91412	2	3	4	L1 Lit	Earth and Space Science 3.3 - Investigate the evidence related to dating geological event(s)	Assignment	1	09/07/2021		
4	91415	2	3	4	L1 Lit, R Lit	Earth and Space Science 3.6 - Investigate an aspect of astronomy	Assignment	2	16/04/2021		
5	91413	2	3	4	L1 Lit, B Lit	Earth and Space Science 3.4 - Demonstrate understanding of processes in the ocean system	Exam	External	9/11/2021		
6	91414	2	3	4	L1 Lit, B Lit	Earth and Space Science 3.5 - Demonstrate understanding of processes in the atmosphere system	Exam	External	9/11/2021		

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