



Science

L3AAE Assessment Statement 2018

Course is endorsable

Year : 13

Course : Level 3 Anatomy and Evolution

Mrs V Pillay

Total Credits : 18

In this course, learners will be engaged in critical thinking and analysis of scientific issues in authentic biology contexts. This course will develop understanding of validity of information to support theoretical ideas, processes of human evolution and socio-scientific issues. Contexts for learning could include independent secondary research, fieldwork and extended practical investigations. Possible pathways that this course leads to are medicine, health, dentistry, engineering at either diploma or degree level. This course requires a workbook (approx. \$25) and a scientific calculator.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91601	2	3	4	Num, L1 Lit	Biology 3.1 - Carry out a practical investigation in a biological context, with guidance	Practical	1	14/04/2018		
2	91602	2	3	3	L1 Lit, B Lit	Biology 3.2 - Integrate biological knowledge to develop an informed response to a socio-scientific issue	Assignment	1	1/08/2018		
3	91604	2	3	3	L1 Lit, R Lit	Biology 3.4 - Demonstrate understanding of how an animal maintains a stable internal environment	Practical	1	20/06/2018		
4	91605	2	3	4	L1 Lit, B Lit	Biology 3.5 - Demonstrate understanding of evolutionary processes leading to speciation	Exam	External	16/11/2018		
5	91606	2	3	4	L1 Lit, B Lit	Biology 3.6 - Demonstrate understanding of trends in human evolution	Exam	External	16/11/2018		

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Science

L3ESE Assessment Statement 2018

Course is endorsable

Year : 13

Course : Level 3 Earth, Space and Environment

Mrs V Pillay

Total Credits : 22

In this course, learners will be engaged in researching, recognizing and taking action on some of the current environmental issues and geological events that challenge New Zealanders today. This course will develop understanding of climate patterns and changes, volcanic activity and seismic events. Contexts for learning could include the Auckland volcanic field, the Kaikoura earthquake of 2016 and social action movements to highlight environmental causes. Possible pathways that this course leads to are careers in environmental science or further study in Earth and Space Science. This course requires a fee of \$40 to visit Rangitoto and a general interest in Science and the environment.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	90828	3	3	6	L1 Lit, R Lit	Education for Sustainability 3.1 - Evaluate a personal action that contributes towards a sustainable future	Assignment	1	28/02/2018		
2	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	Practical	1	1/05/2018		
3	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	1	20/10/2018		
4	91412	2	3	4	L1 Lit	Earth and Space Science 3.3 - Investigate the evidence related to dating geological event(s)	Assignment	1	1/07/2018		
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	27/11/2018		

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Science

L3PHYU Assessment Statement 2018

Course is endorsable

Year : 13

Course : Level 3 Physics Unlimited

Mrs V Pillay

Total Credits : 22

In this course, learners will be engaged in problem solving, critical thinking and analysis of complex situations in authentic physics contexts. This course will develop understanding of electrical, mechanical systems and modern/nuclear principles and the physics principles that apply. Contexts for learning could include amusement parks, crash testing of vehicles and practical investigations. An optional external standard Wave systems will be available. Possible pathways that this course leads to are electrical, mechanical and civil engineering at either diploma or degree level. This course requires a workbook (approx. \$15) and a scientific calculator.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91521	2	3	4	L1 Lit	Physics 3.1 - Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	Practical	1	14/08/18		
2	91522	2	3	3	L1 Lit	Physics 3.2 - Demonstrate understanding of the application of physics to a selected context	Assignment	1	15/05/18		
3	91527	2	3	3	L1 Lit, R Lit	Physics 3.7 - Use physics knowledge to develop an informed response to a socio-scientific issue	Assignment	1	19/06/18		
4	91526	2	3	6	L1 Lit	Physics 3.6 - Demonstrate understanding of electrical systems	Exam	External	20/11/18		
5	91524	2	3	6	L1 Lit	Physics 3.4 - Demonstrate understanding of mechanical systems	Exam	External	20/11/18		

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Science

L3TOH Assessment Statement 2018

Course is endorsable

Year : 13

Course : Level 3 Te Ohanga Hauora

Mrs V Pillay

Total Credits : 18

In this course, learners will be engaged in critical thinking and analysis of scientific issues in authentic biology contexts through a Te Ao Maori lens. This course will develop understanding of validity of information to support theoretical ideas, human evolution, socio-scientific issues and develop learners sense of self as Maori. Contexts for learning could include independent research, fieldwork and practical investigations. For more information on standards offered in this course refer to the L3 Chemistry, Biology and Physics courses. Possible pathways that this course leads to are medicine, health and engineering. This course requires a zest for learning pūtaiao in a Te Ao Maori context.

No	Standard Number	Version	Level	Credits	Lit / Num	Full Title	Method of Assessment	Assessment Opportunities Offered	Approximate Date	Grade	Teacher Signature
1	91601	2	3	4	Num, L1 Lit	Biology 3.1 - Carry out a practical investigation in a biological context, with guidance	Practical	1	April 2018		
2	91602	2	3	3	L1 Lit, B Lit	Biology 3.2 - Integrate biological knowledge to develop an informed response to a socio-scientific issue	Assignment	1	August 2018		
3	91604	2	3	3	L1 Lit, R Lit	Biology 3.4 - Demonstrate understanding of how an animal maintains a stable internal environment	Practical	1	June 2018		
4	91605	2	3	4	L1 Lit, B Lit	Biology 3.5 - Demonstrate understanding of evolutionary processes leading to speciation	Exam	External	External		
5	91606	2	3	4	L1 Lit, B Lit	Biology 3.6 - Demonstrate understanding of trends in human evolution	Exam	External	External		

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Science

L3UEC Assessment Statement 2018

Course is endorsable

Year : 13

Course : Level 3 Understanding Essence of

Mrs V Pillay

Total Credits : 25

In this course, learners will be engaged in making sense of information, collaborating, producing scientific reports involving research and application of technologies in different contexts. This course will develop understanding of analytical, organic, quantitative and thermochemical principles. Contexts for learning could include visits to gold mine, labs and practical investigations. Possible pathways that this course leads to are Medicine, Health Science, Veterinary Science, Physiotherapy, Pharmacy, Occupational Therapy, Medical Laboratory, Food Science and Dentistry. This course requires workbooks (approx. \$25) and a scientific calculator.

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	Practical	1	01/05/18		
2	91388	2	3	3		Chemistry 3.2 - Demonstrate understanding of spectroscopic data in chemistry	Assignment	1	21/08/18		
3	91389	2	3	3	L1 Lit, B Lit	Chemistry 3.3 - Demonstrate understanding of chemical processes in the world around us	Assignment	1	24/07/18		
4	91390	2	3	5	L1 Lit	Chemistry 3.4 - Demonstrate understanding of thermochemical principles and the properties of particles and substances	Exam	External	15/11/18		
5	91391	2	3	5	L1 Lit	Chemistry 3.5 - Demonstrate understanding of the properties of organic compounds	Exam	External	15/11/18		
6	91392	2	3	5	Num, L1 Lit	Chemistry 3.6 - Demonstrate understanding of equilibrium principles in aqueous systems	Exam	External	15/11/18		

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