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YEARS 12 AND 13 SENIOR STUDIES GUIDE 2024





INTRODUCTION

It is time to start thinking about next year! You need to decide what subjects you wish to take. This booklet will help you to decide, by giving you an outline of each of the subjects you can choose at Year 12 and Year 13 levels.

Read carefully through the information on the subjects which interest you.

Keep in mind how your choice of subjects will let you progress to the next level at school or to tertiary education. Some subjects are more difficult to start at Year 13. If you intend doing any of these subjects at tertiary level, you should study them at Years 12 and 13. Examples include Accounting, Biology, Chemistry, Japanese, Music, Digital Technologies Science, Mathematics and Physics. Remember that there are some subjects you would find difficult to pick up again if you drop them now. Also, in some areas you may need to take supporting subjects in order to give you the necessary background. It will make things much easier for you if you work these out now, before deciding on your course.

It is also wise to check out thoroughly any career ideas you have, to make sure you are taking the right subjects. Research the career pathways you are interested in by going to <u>www.careers.govt.nz</u> and talk with the Careers Adviser, Mrs Thomas.

Your form teacher and subject teachers will also help you and give you some indication of your likely ability to cope with work at these levels. It is essential that you **ASK QUESTIONS.**

If you have difficulty making your subject choices discuss your problem with the Careers Adviser or one of the Senior Deans.





What to keep in mind when choosing Years 12 and 13 subjects

PRINCIPLES OF SUBJECT CHOICE

- 1. Get help. Who to talk to?
 - Subject teachers for course information
 - Ask teachers about the subjects they take
 - Careers Adviser for tertiary course or career requirements, and which subjects are needed or preferred for certain careers
 - Senior Deans for course planning

- 2. Parents are welcome to discuss subject choices and there will be the opportunity to do this at the beginning of the 2024 school year during the course registration interviews.
- 3. The later you specialise, the more flexibility you have and the longer you can delay your career choice. Keep your options open. Be flexible. Specialise only when you have set a clear career direction.
- There are a number of useful websites aimed at helping people make subject choices' decisions. <u>www.careers.govt.nz</u> <u>www.nxtstep.co.nz</u>
- 5. The College reserves the right to not run subjects where numbers are low or teachers are unavailable.

WAYS TO TRAIN IN NEW ZEALAND

INSTITUTION	WHAT IS OFFERED
Schools	NCEA Vocational Pathways Awards
• Industry	Apprenticeships Work-based training
 Te Pūkenga (NZ Institute of Skills and Technology) 	Pre-apprenticeship courses National Certificates, Diplomas or Degrees
University	Undergraduate Diplomas or Degrees Postgraduate Certificates/Diplomas
Private training providers	National Certificate or Diploma courses





Subject materials fees are charged in Technology subjects to cover the cost of materials that are used by students, and which enable them to produce a take-home project.

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These fees are NOT VOLUNTARY. Failure to pay these subject fees, or to make arrangements to pay them, may result in resources being withdrawn from students.

Below are the subject fees for 2024:

Electronics Technology	
Years 12 & 13	\$50
Plus students purchase their own materials for the main project.	
Technology Wood	
Years 12 & 13	\$40
Plus students purchase their own materials for projects	
Technology Metal	
Years 12 & 13	\$50
Plus students purchase their own materials for projects	



YEAR 12 COURSES

ARE YOU ELIGIBLE TO WORK TOWARDS NCEA LEVEL 2?

Fourth year students are classed as Year 12 students. However, it is up to the College to determine whether you are or are not eligible to work towards NCEA Level 2. In determining eligibility to work at this level, the College considers:

- your attitude and effort in the classroom
- your ability to cope with the work
- your results at NCEA Level 1.

Possible scenarios:

- ⇒ You may qualify to work towards NCEA Level 2 in all subjects
- \Rightarrow you may have to repeat NCEA Level 1 in all subjects
- \Rightarrow you may be able to study a mixture of NCEA Levels 1 and 2 courses.

WHAT IS NCEA?

In 2024, most Year 12 students will be working towards Level 2 of the National Certificate in Education Achievement.

- To be awarded NCEA Level 2 a student needs to gain 80 credits
- 60 of the 80 credits must be from Level 2 standards (or higher)

- Credits have three possible values: Achieved, Merit and Excellence
- You can accumulate credits either through gaining Achievement Standards or Unit Standards.

PROGRAMME OF LEARNING

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ASSESSMENT BY ACHIEVEMENT STANDARDS AND/OR UNIT STANDARDS ¥ RESULTS

↓ NCEA LEVEL 2 QUALIFICATION

CHOOSING YOUR YEAR 12 COURSE

The Subjects: You must choose six subjects in order of preference.

 Sciences, including Digital Technologies Science, are important subjects in many careers, for example: the health field (laboratory work, physiotherapy, occupational therapy, nursing, medicine) and in engineering, architecture and similar careers. If a Science-based career is considered, check your subjects with the Careers Adviser.

- 2. Mathematics to NCEA Level 2 is required by virtually all advanced scientific and technical occupations. It is also important for such careers as Psychology, Accounting, Physical Education and Home Science.
- 3. Some subjects can be taken up for the first time at Year 12 level, for example: Agribusiness, Gateway, Tourism and Employment Skills.



YEAR 13 COURSES

WHAT IS NCEA?

In 2024, most Year 13 students will be working towards Level 3 of the National Certificate in Education Achievement.

- To be awarded NCEA Level 3 a student needs to gain 80 credits
- 60 of the 80 credits must be from Level 3 standards or above
- Credits have three possible values: Achieved, Merit and Excellence
- You can accumulate credits either through gaining Achievement Standards or Unit Standards.

PROGRAMME OF LEARNING ↓

ASSESSMENT BY ACHIEVEMENT STANDARDS AND/OR UNIT STANDARDS

↓ RESULTS

NCEA LEVEL 3 QUALIFICATION

NEW ZEALAND SCHOLARSHIP

Secondary school students have the opportunity to enter for an award called New Zealand Scholarship.

New Zealand Scholarship extends our best secondary students and enables top scholars to be identified and acknowledged. Students will be able to enter one or more scholarship standard assessments as well as their Level 3 assessments.

The aim is to assess a student's ability to synthesise and integrate concepts – to apply higher-level thinking based on in-school and independent learning.

The content assessed for Scholarship is usually more in-depth than covered for Level 3 Achievement Standards. It is expected that Scholarship candidates will have completed a full year of Level 3 studies at a secondary school.

Assessment is standards-based and all assessment will be external.

CHOOSING YOUR SUBJECTS

• Some subjects can be taken at NCEA Levels 2 and 3 for the first time, though some extra work will be required. Discuss your intention with the subject teacher concerned, before obtaining the Dean's approval. However, it is especially important to note prerequisites for University courses, or Te Pukenga courses eg physiotherapy, architecture, medicine, engineering.

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- In Year 13 students are able to choose Classical Studies for the first time.
- Before making a final decision on their course, students should consult the Careers Adviser or one of the Senior Deans.

QUALIFYING FOR ENTRY TO UNIVERSITY IN 2024

A person shall be qualified for entrance to university in New Zealand if he/she has obtained:

- Level 3 NCEA and
- 10 credits in Numeracy at NCEA Level 1 or higher
- 5 credits in reading and 5 credits in writing at NCEA Level 2 or higher
- 14 credits in each of three approved subjects at NCEA Level 3

Generally, Unit Standard assessments do not qualify as 'approved subjects'.

For more details see the information below:

Numeracy Level 1 or higher

10 credits from specified achievement standards available through a range of subjects

Literacy Level 2 or higher

5 reading

AND

5 writing from the specified list The credits can come from a range of subjects.

Level 3 or higher 42 credits

14 credits in one14 credits in one14 credits in oneapproved subjectapproved subjectapproved subject

Achieve NCEA Level 3 Certificate

Please note that this is the minimum university entrance standard. Many university courses require a much greater number of credits or a specific number of credits beyond Achieved level.

YEAR 13 IS ALSO IMPORTANT IN OTHER WAYS:

- Less teacher supervision is provided and more self-discipline is expected from students.
- It is an essential year for many careers.
- As the most senior year at school, greater opportunities to demonstrate leadership are possible.
- It is a chance to think about yourself as a person and reflect on education and future life. This is a year of important decisions and a year to mature.

Vocational Pathways

Vocational Pathways provide new ways to achieve NCEA level 2 and 3 – the foundation for success in further education and the world of work. There are 6 different pathways:

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- Primary Industries
- <u>Services Industries</u>
- <u>Social & Community Services</u>
- <u>Manufacturing & Technology</u>
- <u>Construction & Infrastructure</u>
- <u>Creative Industries</u>

Government agencies, the industry training sector,

and tertiary representatives and industry and employer



secondary

representatives worked together to develop the six Vocational Pathways for NCEA Level 2 as the foundation of the journey to employment

Achieving Vocational Pathways means that students have developed skills and achieved in areas that employers value, and that they have skills and knowledge that are relevant for their industries. When you are planning a career in this sector, the pathway helps you to see which subjects and standards you should do to get to where you want to go.

And if you haven't decided but are thinking about the future, the pathways can help you see how your strengths and interests match up to a challenging range of jobs and study options out there.

What is a Vocational Pathways Award?

To receive a Vocational Pathways Award, students must first gain NCEA Level 2, which is 60 credits from Level 2 and 20 credits from any other level; 80 credits in total. To get a Vocational Pathways Award, **a minimum of** 20 Level 2 credits must be from sector related standards, with the remaining from the recommended standards in one or more pathways to make up 60 pathway credits in total.



The Vocational Pathways Award(s) will be awarded to students on their NZQA Record of Achievement. This will be a real advantage when they look for work and training opportunities in the sector.

Use the profile builder throughout the year to track your progress. This is on Kamar and on the Youth Guarantee website: <u>https://youthguarantee.education.govt.nz/tools/profile-builder/</u>

	2	Course Na	ame:											
Level	2	Accountin	ng (12/	ACC)										
Course Overview		involved in n farmer or ref or even an ir today's work	Accounting is an extremely useful subject for a student who envisages being involved in management positions (either a self-employed plumber, builder, farmer or retailer for instance, or employed by a firm as a manager or supervisor, or even an individual investing on the stock exchange or for taxation purposes). In today's world a person with some understanding of business accounts is at an advantage. Assessments will be offered from the following list:											
				Asses	ssment	ts Offer	ed							
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing				
AS91174	of ac an er	onstrate unders counting conce ntity that opera unting subsyste	pts for tes	2	E	4		Yes						
AS91175	of ac	onstrate unders counting proces gaccounting sof	ssing	2	I	4	Yes							
AS91176	infor that	are financial mation for an e operates accou ystems.	-	2	E	5	Yes							
AS91177	infor opera	pret accounting mation for entil ate accounting ystems.	2	E	4	Yes	Yes							
AS91179	of an	onstrate unders accounts recei ystem for an en	vable	2	I	3	Yes	Yes						
AS591386	of an	onstrate unders inventory subs n entity.	-	2	I	3	Yes	Yes						
AS91481	of a d accor	onstrate unders contemporary unting issue for ion-making.	-		I	4		Yes						
Total numb	per of c	redits available								27				
Prerequis		This course in Accounting. having done	For able	stude	nts it n					thout				
Other Det		Expected Tri												
Where co this lead?		Accounting of business adm			nagem	ent stuc	lies at tertia	iry level; e	employme	nt in				
Vocationa		Construction & Infrastructure	Manufact & Techno	uring	Prima Indust		Service Industries	Soci Comm Serv	nunity	Creative Industries				
Pathways							11	Jen		23				
			See M	r Coch	ran or N	Mr O'Sha	ughnessy							

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Level	3	Course N	ame:				UE A	pprove	d	Yes	
Levei	2	Accounti	ng (13ACC)			Subje	ect		res	
Course Overview		This course builds on basic financial accounting concepts and processes de in Levels 1 and 2 Accounting. It is extended to include a study of partners company accounts, cash-flow statements and budgets, cost accounting fo managers, internal controls and decision-making. This course is intended students considering studying accounting or Business Management at tert Assessments will be offered from the following list:									
			As	ssessm	ents	Offered					
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS91404	ассо	ionstrate unde ounting concep and reporting	ts for a New	3	E	4			Yes	Yes	
AS91405		ionstrate unde ounting for part	-	3	Т	4					
AS91406	com	onstrate unde pany financial paration.	-	3	E	5					
AS91407	user repo	pare a report for that interpret ort of a New Ze orting entity.	s the annual	3	I	5			Yes	Yes	
AS91408	man	ionstrate unde agement acco rm decision-ma	unting to	3	E	4					
AS91409		ionstrate unde o cost subsyste ty.	•	3	Ι	4					
Total num	per of	credits availab	le							26	
Prerequis	ites					-					
Where co	uld		or Business N	lanage	ment	studies	at tertiarv	level: em	ploymer	nt in	
this lead?		-	ministration.					- ,	- ,		
Vocationa	al	Construction & Infrastructure	Manufacturing & Technology		imary lustries	1	Service ndustries	Social Community		Creative Industries	
Pathways		innastracture			4		17			8	
			Se	e Mr O	'Shau	ghnessy					

		Course Name:								
Level	2	Agribusiness (12AG	B)							
Course Overview		This course has been desi and to show students how business planning, cash fl financial record-keeping. agriculture and business s	signed to encourage students to become financially liter ow to set up and run a business. Topics covered include flow forecasting, market research, sales and advertising . Throughout the course emphasis will be placed on skills will be developed in relation to primary industries red from the list below (not all in any one year).							
		A	ssessm	ents	Offered					
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS90843	the	nonstrate understanding of internal operations of a e business.	2	E	4		Yes			
AS90844	Den how	nonstrate understanding of a large business responds xternal factors.	2	E	4		Yes			
AS91297	land	nonstrate understanding of I use for primary production Iew Zealand	2	E	4		Yes			
AS91865	futu	nonstrate understanding of ire-proofing influences that ct business viability	2	I	4		Yes			
AS91866		duct an inquiry into the use rganisms to meet future ds	2	I	4		Yes			
AS91867	a pr stru	nonstrate understanding of imary industry business cture that meets the tegic needs of a business.	2	I	3		Yes			
AS91868	casl	nonstrate understanding of n flow forecasting for a iness.	2	Ι	4		Yes			
Total numb	per of	credits available							27	
Prerequis	ite	A background in Year 11 E	conon	nics, A	ccounti	ng or Agric	ulture wo	uld be l	nelpful but	
S		is not essential.								
Where co	uld	Expected Trips To be of the temperature to be of t			Level 3	Agribusine	ss and co	uld lead	to many	
this lead?		careers with Business Ma	nagem	ent oi	r Primary	y Industries	5.		-	
		Se	ee Mr O	'Shau	ghnessy					

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Level	3	Course Name: (13A Agribusiness	GB)			UE A Subje	pprove ect	d	Yes	
Course Overview										
		As	sessm	ents	Offered					
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS91530	hov of a	nonstrate understanding of v market forces affect supply nd demand for New Zealand nary products.	3	E	5	Yes	Yes	Yes	Yes	
AS91869	stra	lyse future-proofing tegies to ensure long-term vility of a business.	3	I	4			Yes		
AS91870	сар	lyse the effect of a strategic ital expenditure decision on usiness.	3	I	4					
AS91871	mai	lyse how a product meets ket needs through ovation in the value chain	3	I	4	Yes		Yes		
AS91383		lyse a human resource issue cting businesses	3	I	3			Yes		
Total num	ber of	credits available							17	
Prerequis	sites	There are no prerequisite Economics, Accounting or be willing to self-direct th	· Agricu	ultura	l Science	e would be	helpful.	-		
		Expected Trips Still to								
Where co this lead?		To Business Management employment in administr					iary level	, or to		
	See Mr O'Shaughnessy									

Level	2	Course Nam Agricultural		nce l	124	GR)			Approv oject	ved	Yes
Course Overview		This course con commenced in enter the Prima well as farm ca be opportunitie attempt the mo	itinues Year 1 ary Ind dets ar es for t	the pa 1 as w ustries nd othe	athwa ell as secto er wor tuden	y toward providing or throug rk schem ts who h	g a good h degree es assoc ave out e	y stu base and iatec	dies in Ag for stude polytech with farr	ents inter nic cours ning. Th	nding to ses, as ere will
				Asses	smen	ts Offere	d				
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numer	асу	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91294	unde Zeala man influ	onstrate erstanding of how l and commercial agement practices ence livestock grow development		2	E	4					
AS91289	pract	y out an extended tical agricultural or cultural investigat		2	I	4					
AS91295	unde inter lives	onstrate erstanding of actions between tock behaviour and mercial manageme tices		2	I	4					
AS91293	unde repro	onstrate erstanding of livest oductive technique ommercial produc	es in	2	I	4					
AS91298	envii prod	ort on the ronmental impact uction of a locally uced primary proc		2	I	4					
						То	tal num	ber a	of credits of	available	20
Prerequisi	tes	Year 11 Agricul	ture is	helpfu	ıl but ı	not esser	ntial.				
Other Deta	ails	Expected Trips	Farm	n visits	as rec	luired.					
Where cou this lead?	uld	This course pro lead to many ca				-		-	ricultural	Science	and could
Vocationa	I	Construction & Infrastructure	Manufac & Techn			mary Istries	Service Industri		Social & Co Servi	-	Creative Industries
Pathways						31					
				See	e Mrs S	Spindler					

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Level 3	Course Name: Agricultural Sci	ience	(13A	AGR)			JE Appro Subject	oved	Yes		
Course Overview	This course continues the pathway towards tertiary studies in Agricultural Science commenced in Years 11 and 12 as well as providing a good base for students into to enter the farming sector through polytechnic courses, farm cadets and other schemes associated with farming.										
Assessments Offered											
Standard Number	Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing		
AS91532	Analyse a NZ primary production environmer issue	nt	3	E	5			Yes	Yes		
AS91735	Demonstrate understan Evaluate measures that be taken to sustain and improve a biophysical environment	t may	3	I	4				Yes		
AS91528	Carry out an investigati into an aspect of NZ pri product or its productio	imary	3	I	4		Yes				
AS91529	Research and report on impact of factors on the profitability of a NZ prin product	e	3	I	6			Yes	Yes		
					Tota	al number	of credits	available	19		
Prerequisites	Previous study in Agr but not essential.	ricultur	al Scie	nce, A	gribusin	ess or Acc	ounting/Ec	conomics	is helpful		
Other Details	Expected Trips										
Where could this lead?	To a career in agricul	ture or	hortic	ulture	e or to fu	rther stud	y at a terti	ary instit	ution.		
Vocational Infrastructure & Tec					Service Industries	Social & Community Service		Creative Industries			
Pathways					31						
			See Mr	s Spin	dler						

	_	Course Name:					UE Ap	proved	
Level	2	Art - Visual Arts (12A	RT)				Subjec		No
Course Overviev	v	 The aim of the Year 12 Art co and/or printmaking practices Art ideas in a systematic way Painting Course: The inter- to create a body of work painting folio). Total credits: 20 Photography: Students way extension and regeneration equals 20 credits. 	ourse is t s. Stude / throug ernal ass from wh	nts will r h to finis essment hich stud internal	esearch a hed artwo s AS91311 ents produ assessmei	nd apply tra orks. L (2.2) and A uce the exte nts (2.2 and	rough gro Iditional a S91316 (2 Ernally ass 2.3) that	ounding in nd conten 2.3) are int sessed AS9 show clari	nporary egrated 1321 (2.4
Assessm	ents (-							
Standard		Title	Level	Int/ Ex	Credits	L1	L1	UE Lit	UE Lit
<u>Number</u> AS91311		Use drawing methods to apply knowledge of conventions appropriate to painting	2		4	Numeracy	Literacy	Reading	Writing
AS91312		Use drawing methods to apply knowledge of conventions appropriate to photography	2	I	4				
AS91316		Develop ideas in a related series of drawings appropriate to established painting practice	2	I	4				
AS91317		Develop ideas in a related series of drawings appropriate to established photography practice	2	I	4				
AS91321		Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	2	E	12				
AS91322		Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	2	E	12				
Due:	ait -					Total numbe	r of credits	available	20/16
Prerequi	site	Completion of Level 1 Art or	accepta	nce from	the LAL.				
s Other		Material Costs	Art Par	rk (dene	nding on s	tudent's exi	sting Art 4	equinment	+)
Details		Expected Trips		ay field t				- derbruch	-1
Where control this lead		NCEA Level 3 Visual Arts: Pai Creative Industries. Life Skills: Creativity, probler	nting an	d/or Pho	otography,	·			r in the
Vocational Pathways		Construction & Infrastructure	Manuf acturin g & Techno logy	Primar y Industri es		Industries	Social & Community Service		Creative Industries
									20/16
				e Ms Birc					

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Level	3	Course Name:					JE Appro	oved	Yes
		Art - Visual Arts	6 (13 AR ⁻	Г)		S	ubject		
Course Overview		 The Year 13 Art courpractical knowledge Painting Course integrated to created to created interests to painting folio). T Photography: Figenerate ideas to contract the second second	of establi The inter eate a bod produce t otal credi for Year 13	shed pra nal asse y of wo he exter ts: 22 Photog	actice. ssments a rk from w rnally asse raphy stu	AS91446 (3 hich studer essed part o dents learr	.2) and As its can de of the cou	S91451 (velop th rse AS9: :larify, e	(3.3) are neir own ideas 1456 (3.4 xtend and
		learn a range of							
		ideas and conce				•	•		
Assessme	nts C								
Standard		Title	Level	Int Ex	Credits	L1	L1	UE Lit	UE Lit
Number			Lever		Creuits	Numeracy	Literacy	Reading	g Writing
		e drawing to							
AS91446		nonstrate lerstanding of	3		4				
A391440		ventions appropriate	5	I	4				
		Dainting							
		tematically clarify							
AS91451	ide	as using drawing	3		4				
A391431		ormed by established	5	Į.	4				
		nting practice							
		duce a systematic							
AS91456		ly of work that egrates conventions	3	Е	14				
A391430		l regenerates ideas	5	E	14				
		hin painting practice							
		e drawing to							
		nonstrate	3						
AS91447		lerstanding of			4				
3.2		ventions appropriate							
		established D tography practice							
		tematically clarify							
AS91452		as using drawing							
3.3		ormed by established	3		4				
	pho	otography practice							
		duce a systematic							
		ly of work that							
AS91457 3.4		egrates conventions I regenerates ides	3		14				
5.4		hin photography							
		ctice							
	~			ı		Total num	ber of credit	s availabl	le 22/16
Prerequisi	ites	16 credits at Level 2 A	rt or accept	ance fro	m LAL.				
Other		Materials				ent's existin	g Art equip	oment)	
Details		Expected Trips	One day	field trip.					
Where control this lead?	uld	Entry to tertiary Art pr lateral thinking and co			ment oppo	ortunities. A	rt encoura	ges stror	ng work habits,
Vocationa Pathways		Construction & Infrastructure	Manufacturing & Technology Industries Industri				Soci Comm Serv	Creative Industrie	
•							Ser	HUC	

Level	2	Course Na	me:							
Level	2	Biology (12	BIO)							
Course Overview		Knowledge of basis for unde understanding Biology and re this course ch	rstandi g of biol lated s	ng of the logical ce ubjects.	e natui oncept Stude	ral enviro s to prov nts who	onment. Year ide a good pla have an intere	12 Biology atform for f est in the n	will devel further stu	op an Idies in
				Asse	ssmer	ts Offere	ed			
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91153		out a practical igation in a biolo xt	gy	2	I	4	Yes			
AS91155	of ada	nstrate understa optation of plants ils to their way of	or	2	I	3		Yes		
AS91156	of life	nstrate understa processes at the ar level	-	2	E	4		Yes		Yes
AS91157		nstrate understa netic variation an e	0	2	E	4		Yes		Yes
AS91158		igate a pattern ir gical community	n an	2	Ι	4		Yes		
Total num	per of cre	dits available								19
Prerequis	ites	A suitable Yea	r 11 Sci	ence pro	ogrami	me, prefe	erably a pass i	n an exterr	nal Science	standard.
Other Det	ails	Materials		orkbook						
		Expected Trip		eld trip t						
Where co		Year 12 Biolog						-	o follow ca	reers in
this lead?		biological, ecc					•			Current
Vocationa	al	Construction & Infrastructure		cturing & nology		mary ustries	Service Industries	Social & Co Serv		Creative Industries
	Pathways 0 4					19	7	1!	5	0
	See Mrs Joubert									

Level	3	Course Name:UE ApprovBiology (13BIO)Subject									Yes
Course Overview	, , , , , , , , , , , , , , , , , , , ,										
				Asses	sment	s Offered	1				
Standard Number		Title		Level	Int/ Ex	Credits		L1 neracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91601	inves	out a practical tigation in a gical context, wit nce	th	3		4		<u>nerucy</u>		neuung	Writing
AS91602	know inforr	rate biological ledge to develop ned response to -scientific issue.		3	I	3			Yes	Yes	
AS91603	under respo anima	onstrate rstanding of the nses of plants a als to their exter onment.		3	E	5				Yes	Yes
AS91605	under evolu leadir	onstrate rstanding of tionary processe ng to speciation	25	3	E	4				Yes	Yes
AS91606	under	onstrate rstanding of trer in evolution.	ıds in	3	E	4				Yes	Yes
AS91607	under manij transf	onstrate rstanding of hun oulations of gene fer and its biolog cations.	etic	3	I	3				Yes	
AS91604	under anima	onstrate rstanding of how al maintains a st nal environment	able	3	I	3				Yes	
Total numb	er of c	redits available									23
Prerequisi	ites	Year 12 Biolog	gy								
Other Det	ails	MaterialsHighly Advised. Write-On NotesExpected TripsField trip to Tongariro. University Open Day Behavioural Field trip									
Where countries this lead?	uld	Year 13 Biolog careers in bio		useful and	d ofter	n essentia			sport scie	ences.	ollow
Vocationa		Construction & Infrastructure		ufacturing chnology		mary ustries	Serv Indus		Social & Commur Service	nity	Creative Industries
Pathways				11		23			14		
				Se	e Mr S	ymon					

	2	Course Name	:							
Level	2	Chemistry (1	2CHE	E)						
Course Overviev	v	This is an acaden course has a sign Chemistry is an in will be looking at pH and how does	ificant ntrodu the ch	practica ction to emistry	al com the fa of or	nponent ascinatir	along with og world tha	relevant at exists a	theory. round us	. We
			A	ssessm	ents (Offered				
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91161		y out quantitative a		2	Ι	4	Yes			
AS91167		onstrate understant ation and reduction	d of	2	I	3		Yes		
AS91163	of th deve	onstrate understan le chemistry used in lopment of a currer nology, (Optional TE	the nt	2	I	3		Yes		
AS91164	Dem of bo	onstrate understan onding, structure, perties and energy		2	E	5		Yes		
AS91165	of th	onstrate understan e properties of sele nic compounds	-	2	E	4		Yes		
AS91166		onstrate understant nemical reactivity	ding	2	E	4		Yes		
Total num	ber of	credits available								23
Prerequi	sites	Successful comp	etion o	of a suit	able Y	′ear 11 p	orogram or o	on applic	ation to L	AL.
Other De	etails	Materials W Expected Trips	/orkbo	ok						
Where co this lead		Year 12 Chemistr careers in many Engineering.	•	-			-		•	
Vocation		Construction & Infrastructure		acturing nnology		mary ustries	Service Industries	Comm	ial & nunity vice	Creative Industries
Pathway	S	23	2	23	:	23	11	2	3	19
				See Mr	McNa	mara				

Level	3	Course Name	9:				UE	Approv	ed	Yes	
Lever	J	Chemistry (1	I3CHE)			Sub	ject			
Course Overviev	v	This is an acade course has a sig Chemistry picks Chemistry, looki previous years.	gnificar up whe	nt prac [.] re Year	tical o 12 fir	compon nished, t	ient along aking you r	with rele	evant th epth into	eory. Year 13 o the world of	
				Asses	ssmer	nts Offer	ed				
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS91388	of sp	ionstrate understan pectroscopic data in nistry.	-	3	I	3					
AS91389	of ch	nonstrate understan nemical processes ir Id around us	-	3	I	3			Yes	Yes	
AS91390	of th and	nonstrate understan nermochemical prin- the properties of pa substances.	ciples	3	E	5					
AS91391	of th	nonstrate understan ne properties of orga pounds.	-	3	E	5					
AS91392	of e	onstrate understan quilibrium principles eous systems.	-	3	E	5					
AS91393	of o	ionstrate understan xidation–reduction sesses	ding	3	I	3					
Total num	nber of	credits available								24	
Prerequi	sites	Successful comp	letion c	of Level	2 Che	mistry					
Other De	etails	Materials Expected Trips	Workb Univer	ook sity Op	en Da	у					
Where control this lead		Year 13 Chemist in many fields in	•						-		
Vocation		Construction & Infrastructure		acturing nology		mary ustries	Service Industries	Social & Community Service		Creative Industries	
Pathway	'S	24 2		4 24		5	24		0		
				See	Mr N	lcNamara	a				

Empl:

Level	Course Name Classical Stud		CLS)		UE Appro	Yes							
Course Overview	Classical Studies Ancient Rome, a is multi-disciplina politics. Three to	Classical Studies is the study of the civilisation of the classical world of Ancient Greec Ancient Rome, and how those civilisations have influenced our modern world. The su is multi-disciplinary and covers history, art history, philosophy, mythology, drama and politics. Three topics will be taught: Alexander the Great, Art of the Roman Empire and Aristophanes Comedies.											
Assessments		eat, Art o	T the RC	man Emp	ire and Aristo	phanes C	omedies.						
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing					
91394	Analyse ideas and values of the classical world	3	E	4	No	Yes	Yes	Yes					
91395	Analyse the significance of a work(s) of art in the classical world	3	E	4	No	Yes	Yes	Yes					
91396	Analyse the impact of a significant historical figure on the classical world	3	E	6	No	Yes	Yes	Yes					
91397	Demonstrate understanding of significant ideologies in the classical world	3	I	6	No	Yes	Yes	No					
91398	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	3	I	6	No	Yes	Yes	No					
		1		<u> </u>	Total numb	per of cred	its available	26					
Prerequisites	No specific subje	• •			good standar	d of litera		ed as					
Other Detail	Materials	, Nil Nil											
Where could this lead?	Classics can lead demand. Possible social welfare, to and media, journ	e careers a ourism, lav	are teac v, librar	hing, adm ian, muse	inistration, fo	reign affa	airs, trade ar	nd industry,					
Vocational Pathways	Construction & Infrastructure	Manufactu & Techno		Primary Industries	Service Indust	ries	Social & Community Service	Creative Industries					
i atiiways	0	0		0	0		0	26					
			See N	/Irs Thoma:	s								

Level	2	Course Na Dance (12					UE Approv Subject	ved	Yes
Course Overview		This course is the theory of Level 1-3 class course.	designe multiple	e dance	genres, as	no are act s well as p	ively interest erformance.	This is a d	composite
Assessme	nts Of	fered							
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91210	unde a ran chore	onstrate rstanding of ge of eographic esses.	2	I	4				
AS91208	danc comr unde	orm a theatre e to municate rrstanding of lance.	2	I	4				
AS91205	grou	eograph a p dance to municate an ition	2	I	4				
AS91209		orm a rtoire of e	2	I	6				
AS91211	inter a dar perfo	ormance with orting ence	2	E	4		Y		
						Total n	umber of cred	its availabl	e 18-22
Prerequis	ites	An active into but not esser Material Costs	ntial.	all genre	s of danci	ng, some	dance traini	ng would	be helpful
Other Det	ails	Expected Trip							
Where co this lead?	uld	Theatre and industries.	Entertair	nment ir	ndustries,	tourism, 1	teaching, spo	ort and fit	ness
	Vocational Constructio Infrastructu Pathways			uring blogy	Primary Industries	Servic Industr		ial & iity Service	Creative Industries
				See I	Ms Keenan				

Level	3	Course na	-					Approv	ed	Yes	
Course Overview	1	Dance (13 This course is the theory of composite cl the course.	s designe f multiple	e dance	genres, as	s well as	ctively perfo	ormance.	This is a	Level 1-3	
Assessme	ents Of	fered									
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numera	су	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS91593	unde danc perfo	Demonstrate understanding of dance performance practices		I	4						
AS91591	Perfc danc	orm a group e.	3	I	4						
AS91592		rtoire of asting	3	I	6						
AS91588		uce a dance alise a ept.	3	I	8						
AS91594		yse a dance ormance onal)	3	E	4			Y		Yes	
					•	Total	numb	er of credit	ts availab	le 22-26	
Prerequis	sites	An active inte but not esser		III genre	s of danci	ng, som	e dan	ce trainin	g would	be helpful	
Other De	tails	Material Costs Expected Trip									
Where co this lead?		industries.	Theatre and Entertainment industries, tourism, teaching, sport and fitness								
Vocation Pathways		Construction & Infrastructure	Manufact & Techno		Primary Industries	Serv Indus	vice stries	Soci Communi		Creative Industries	
				See I	Ms Keenan						

	•	Course Na	me:						
Level	2	Digital Tec	hnologie	es Bus	iness (:	12DTB)			
Course Overview	,	Year 12 Digita The course pro speed, accura in tertiary stud working pract to become pro	ovides the cy, presen dy, employ ices are a s	opport tation a ment a significa	unity for I nd media nd as a lif nt part of	Level 2 stud design that e skill. File the course	ents to ac will be of managem . The focu	equire skills f benefit to nent and sa us of the co	s of o them afe ourse is
		· · · · ·	Ass	sessmer	nts Offere	ed			
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
US111 V8	produ	word processor uce documents fo ess or organisation	ora 2	I	5				
US107 V7	skills comm busin	 text processing to produce nunications in a ess or isational context 	2	I	5				
US29770 V1	Use th and fu sprea	Use the main features and functions of a spreadsheet application for a purpose		I	3				
US12884 V7	docur a file inforr	e electronic ments and manag for generic text a nation gement.		I	3				
US12885 V7	Creat electr comb image and ir	e and enhance onic documents ining text and es for generic tex nformation gement.	t 2	I	4				
US29771 V1	Use the and full prese	he main features unctions of a ntation application purpose	on 2	I	2				
US29772 V1		ge files and folde digital devices	ers 2	I	2				
Total num	ber of c	redits available							24
Prerequis	ites	Successful cor desirable.	npletion o	f Year 1	1 Digital 1	Γechnologie	s Busines	s course is	
Other Def Where co this lead?	uld	Materials Level 3 DTB co				orinted work e employme			
Vocationa Pathways		Construction & Infrastructure 7	Manufacturi & Technolog 7		Primary Idustries 7				
				See Mr /	A Kumar				

Level	3	Course Name Digital Techn		s Busi	ness (1	L3DTB)	UE Appro Subje		No
Course Overvie	w	Year 13 Digital Level 3 student media design us and safe workir of the course is software in a bu	s to acq sing the ng practi to beco	uire sk MS Of ices ar ome pr	ills of sp fice rang e a signif oficient i	eed, accura ge of softwa ficant part o	acy, prese are. File i of the cou	ntation manager urse. The	and ment
			Asse	essmer	ts Offer	ed			
Standard Number		Title	Level	Int/ Ex	Credit s	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
US122 V8a	secu	ide safe and re customer- ssed reception ces	3	I	5				
US32003 V1b		te and customise ness documents	3	I	6				
US32106 V1a	admi	ousiness inistration tools systems	3	I	5				
US29785 V2a	appli imag and o	a word processing cation to integrate es, spreadsheet database data into ments	3	I	5				
US29786 V2a		uce a spreadsheet rganisational use	3	I	5				
US29789 V1c	appli an in mult prese	a presentation cation to produce teractive imedia entation	3	I	3				
Other Uni	t Stand	ards, US29792, US29	9794, US2	.9795 ar	e also ava	ilable.			
Total num	ber of o	credits available							29
Prerequ s	isite	Completion of a desirable.						s course	e is
Other Details		Materials	Stationer	y (folder	s for printe	d work); USB f	or backup.		
Where of this lead		Polytech study: offic	e employn	nent; and	l life skills.				
Vocatio Pathwa		Construction & Infrastructure	Manufact & Techn	<u> </u>	Primary Industries	Service Industries	Socia Comm Serv	unity	Creative Industries
			S	ee Mr A	A Kumar				

Science (12DTS)This course has a primary focus on Computer Programming and Science. This will be an Achievement Standards course allow variation in the course to meet the needs of individual students. To contains planning, designing, creating, and critical evaluation in a programming context. This course offers students the skills to b of change and development in the world of tomorrow.Standard NumberTitleLevelInt/ ExCreditsL1 NumeracyL1 LiteracyUE Lit ReadingAssessments OfferedStandard NumberViewel of a conceptual design for an outcome2I6IAss91356Develop a conceptual design for an outcome2I6IIUse advanced2I6IIAss91890Propose a digital digital media outcome2I4IAss91893techniques to develop a develop a computer2I4IAss91896Use advanced programming techniques to develop a computer program2I4IDemonstrateDemonstrate216IIDemonstrate216IIIDemonstrate216IIIDemonstrate216IIIDemonstrate216 <tdi< td="">I<tdi< td="">Demonstrate1</tdi<></tdi<>	wing some This course a computer												
Standard NumberTitleLevelInt/ ExCreditsL1 NumeracyL1 LiteracyL1 ReadingAS91356Develop a conceptual design for an outcome21610110111<													
NumberTitleLevelExCreditsNumeracyLiteracyReadingAS91356Develop a conceptual design for an outcome216IteracyReadingAS91356Develop a conceptual design for an outcome216IteracyReadingAS91890Conduct an inquiry to propose a digital technologies outcome216IteracyIteracyIteracyIteracyAS91893Use advanced digital media outcome216IteracyIteracyIteracyIteracyIteracyAS91896Use advanced programming techniques to develop a computer program216IteracyIteracyIteracyAS91896Demonstrate216IteracyIteracyIteracyIteracyAS91896Demonstrate216IteracyIteracyIteracyAS91896Demonstrate216IteracyIteracyIteracyAS91896DemonstrateIteracyIteracyIteracyIteracyIteracyIteracyAS91896DemonstrateIteracyIteracyIteracyIteracyIteracyIteracyIteracyAS91896IteracyIteracyIteracyIteracyIteracyIteracyIteracyIteracyAS91896IteracyIteracyIteracyIteracyIteracyIteracyIteracyIteracyAS91896IteracyIteracyIteracy<													
design for an outcome216Image: Conduct an inquiry to propose a digital technologies outcome216Image: Conduct an inquiry to propose a digital216Image: Conduct an inquiry to propose a digital214Image: Conduct an inquiry to propose a digital media outcome214Image: Conduct an inquiry to propose and propose a													
AS91890propose a digital technologies outcome2I6Image: Constraint of techniques outcomeAS91893Use advanced techniques to develop a digital media outcome2I4Image: Constraint of techniques outcomeImage: Constraint outcomeAS91896Use advanced digital media outcome2Image: Constraint outcomeImage: Constraint outcomeImage: Constraint outcomeImage: Constraint outcomeAS91896Programming techniques to develop a computer program2Image: Constraint outcomeImage: Constraint outcomeImage: Constraint outcomeAS91896DemonstrateImage: Constraint outcomeImage: Constraint outcomeImage: Constraint outcomeImage: Constraint outcomeAS91896DemonstrateImage: Constraint outcomeImage: Constraint outcomeImage: Constraint outcomeImage: Constraint outcome													
AS91893techniques to develop a digital media outcome2I44AS91896Use advanced programming techniques to develop a computer program2I6ILDemonstrateII6II													
AS91896 programming techniques to develop a computer program Demonstrate 2 I 6													
Demonstrate Demonstrate													
AS91898 understanding of a key aspect of a computer science concept 2 E 3 Yes													
AS91899 Present a summary of developing a digital 2 E 3 Yes Yes													
Other Achievement Standards, AS91891, AS91892, AS91897 are also available.													
Total number of credits available	28												
PrerequisitesSuccessful completion of 11DTS or through consultation with the Digital Technologies – Mr Kumar	LAL												
Other Details USB and a folder for their work													
Expected Trips None at time of writing													
Where could this lead?The course offers a pathway to continue with DTS in Level 3.													
VocationalConstruction & InfrastructureManufacturing & TechnologyPrimary IndustriesService IndustriesSocial & Community Service	Creative Industries												
Pathways 28 25 19 9 13	22												
See Mr A Kumar													

TPORT (ESI)

Level	3	Course Name:UE ApprovedDigital Technologies Computer ScienceSubject(13DTS)										
Course Overvie	w	Year 13 Digit Standards as we While the focus creativity as well needed to go or and developm	II as unit stan is on program I as extending to University	dards w ming ar studen , Polyte	where ne nd comp ts who e chnic, o	cessary a uter scie enjoy a ch r employ	allowing s nce there nallenge.	tudents a c is ample so This course	hoice of S cope for d e develops	tandards. esign and the skills		
			Ass	sessme	ents Of	fered						
Standard Number Title Level Int/ Ex Credits L1 L1 UE Lit UE Lit Vumber Umber Umber												
AS91610	cons	elop a conceptual sidering fitness fo broadest sense	-	3	1	6						
AS91903	deve	complex techniquelop a digital med	ia outcome	3	I	4						
AS91906	tech	complex program niques to develop puter program	-	3	I	6						
AS91907	deve	complex processe elop a digital tech come		3	I	6						
AS91908	Ana scie	lyse an area of co nce	mputer	3	E	3		Yes				
AS91909		ent a reflective a eloping a digital o	•	3	E	3		Yes				
Other Ach	nievem	ent Standards, AS	91900, AS919	01, AS9	1902, AS	591905 a	re also av	ailable				
Total nun	nber of	credits available								28		
Prerequ	isites											
Other D	etails	Materials Expected Trips	USB and NIL	a Folde	er to ke	ep thei	r work i	n for the y	year.			
Where of this lead		The course of	The course offers a pathway to University, or employment									
Vocatio	nal	Construction & Infrastructure	Manufacturin Technology		Primary Industrie		ervice Justries	Social & Community		Creative Industries		
Pathwa	-	28	28		19		9	13		28		
				See M	r A Kum	ar						

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IN CONCIL

Level	2	Course Na	me						
Levei	2	Drama (12	2DRM)						
Course Overview	,	This course c Performing A performance	rts. Clas			-	-		
Assessme	nts Of	fered							
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91216	assoc dram	Use complex skills associated with a drama or theatre form or period.		I	4		Yes	Yes	
91214	a drai	e and perform ma to realise cention.	2	I	5		Yes		
91213	techn	drama iques in a ed context.	2	I	4		Yes	Yes	
91218	role i	rm a antial acting n a scripted uction.	2	I	5		Yes	Yes	
91215	theat perio	ss a drama or re form or d with ence to a text. onal)	2	E	4		Yes	Yes	No
Total numb	<u> </u>	redits available				1	•	•	18-22
Prerequis	ites	An active inte	erest in t	he Perfo	orming Ar	ts.			
Other Det	tails	Materials Expected Trip			p or folde	r for notes			
Where co this lead?		Any career th tourism, hos	nat requi pitality, t	eaching					
Vocationa		Construction & Infrastructure	Manufact & Techno	Ŭ,	Primary Industries	Service Industries	Soci Communi		Creative Industries
Pathways									22
				See	Ms Keenan	I			

Level	3	Course Nan Drama (12D	-				E Approv Ibject	ved	Yes
Course Overview		This course cov Performing Art performance-b	vers the s. Class			actical com	ponents of		ment is
Assessme	nts Of	fered							
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91512	text to drama	oret scripted o integrate a techniques in rmance.	3	I	4		Yes	Yes	
91513		e and perform a a to realise a ept.	3	I	5		Yes		
91517	acting signifi		3	I	5		Yes	Yes	
91515	comp assoc	production. Select and use complex skills associated with a drama form or period		I	4		Yes	Yes	
91514	a pres playw demo know theat	oret a text from scribed rright to instrate ledge of a re form or d.(optional)	3	E	4		Yes	Yes	Yes
91519	suitat	a scene ble for live rmance bnal)	3	I	5		Yes		Yes
Total numb	per of c	redits available							18-27
Prerequis	ites	An active inter	est in th	e Perfor	ming Arts	•			
Other Det	ails	Materials Expected Trips		k, laptop	or folder	for notes.			
Where co this lead?		Theatre/film, n interacting wit	h others	5.	hospitalit	y, tourism; a	any career	that deals	with
	Construction & Infrastructure Pathways			turing ology	Primary Industries	Service Industries 4	Soci Communi		Creative Industries 23
				See N	ls Keenan				

Line

Level	2	Course Na	ame:											
Level	2	Economic	s (12E	CO)										
Course Overview		InflaTradGrov	c terms a tion e vth loyment. ılso cover	nd con	cepts omic (concept		-	•					
		Assessments Offered												
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing				
AS91224	usin	yse economic g g economic con models.		2	E	4		Yes		No				
AS91225	usin	yse unemployn g economic con models.	2	Ι	4		Yes	Yes						
AS91227	polio	yse how Gover cies and contem nomic issues int	nporary	2	Ι	6		Yes	Yes					
AS91228	ecor inter	yse a contempo nomic issue of s rest using econo cepts and mode	pecial omic	2	Ι	4		Yes	Yes					
Total numb	er of c	credits available	2							18				
Prerequisi	tes	A backgroun			would	be hel	oful.							
Other Det	ails	Material Cos	ts Wor	kbook										
Where cou this lead?	uld	Business Ma administratio	•	nt studi	es at 1	tertiary	level; emple	·						
Vocationa	initastructure				Prima Indust		Service Industries	Social & Community Service		Creative Industries				
Pathways					4		18	6		18				
				See	Mr Co	chran								

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	2	Course Na	ame	:				UE A	pprove	d	Vee		
Level	3	Economics (13ECO) Subject									Yes		
Course Overview		The aim of the course is to enable students to develop a continuing interest in contemporary economic issues through a detailed study of the role of the market and business in the economy and how the role may be altered by Government. On completion of the course students should be able to understand basic economic concepts and be able to apply them to current economic issues. They should also be aware of the inter-relationships between economic, social and political events. Standards will be chosen from the following:											
				Ass	sessme	ents O	ffered						
Standard Number		Title			Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing		
AS91399	the e	onstrate under efficiency of ma librium.	ling of	3	E	4			Yes	Yes			
AS91400	the o mar	ionstrate unde efficiency of dif ket structures u ginal analysis.	feren	-	3	E	4			Yes	Yes		
AS91401		onstrate under o-economic co	-	3	I	5			Yes	No			
AS91402	gove	onstrate under ernment interve ect market failt	entior	-	3	I	5			Yes	No		
Maximum	numb	er of credits av	ailabl	е	-						18		
Prerequis	sites	This course of or Year 12 E understandi	conoi	mics hel	ps prov	vide b	ackgrou	nd for stuc	lents, and	l an inter	est in		
Other De	tails	Materials Expected Tri	ins	Workb Nil	look								
Where co this lead?		Business Ma administrati	nage		udies a	t tert	iary leve	l; employn	nent in bu	isiness			
Vocationa Pathways		~		facturing chnology			I	Service ndustries	Social & Community Service		Creative Industries		
					See Mi	15 · Coch	nran	19					

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Line

Number xt	Lev	vel	2					ECTRONIC		UE A Subje	pprov ect	ved			IS NO S YE	
Achievement Standards on offer L2 AS Number Title L Int/E Cr N L R W AS 90811 Exploring how human activity has consequences for a sustainable future. Managing E-waste. 2 I 4 Yes I AS 901300 Use the characteristics of a design movement or era to inform design ideas. 2 I 4 Yes I AS 91340 Use the characteristics of a design movement or era to inform design ideas. 2 I 6 Yes I AS 91342 Develop a spatial design through graphics practice 2 I 6 Yes I AS 91343 Use visual communication techniques to compose a presentation of a design. 2 I 4 Yes I AS 91343 Undertake brief development to address and issue -Arduino 2 I 4 Yes I AS 91343 Undertake brief development to address and issue -Arduino 2 I 4 Yes I Presible number of AS credits available 17 I Cettornics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics	Course Overview	ident Solvin 1. Exp Educa 2. Re build 3. Exp Apply need probl 4. Est solar	ifying a ng a pr ploring ation fo search ing (E. blore so v basic ed – m em. Ao cablish panels	and so oblen susta or Sus and e g., ver olving code inor t dditio links s, inve	olving n with ainabi staina explor rtical s g prot to Ar to Ar tweak nal A to the erters	g real- n an A ility a ibility re the skyfa olems rduinc cs onl chiev e Sust , DC k	world pro Arduino. nd oppor de design o rm, mode s using the o/Microbi y). The fo ement Sta tainable D patteries,	bblems. For e tunities to ma f buildings (A rn sustainable Arduino Uno t (copy and p cus is not on andards are a pevelopment regulators an	xample, des inage e-was rchitecture) e house, and o (microprod aste code fr coding but c vailable (Co Goals (SDGs d more.	ign a bui te (recyc . Use Min d more). cessor an om the li designing nceptual) – Susta	Iding in Iing and Necraft Work t brary – a circu Design inable (Min d rep Educ ogetl ronic mini it to & Br Cities	ecra urp atio her sca ima solv rief an	aft Edu osing) on to c in teau affoldin l code ve a re Develo d Envin	lesign ms of ng). writin al-life opme	ng nt).
AS NumberTitleLInt/E xtCrNLRWAS 90811Exploring how human activity has consequences for a sustainable future. Managing E-waste.214Yes1AS 91340Use the characteristics of a design movement or era to inform design ideas.213Yes1AS 91342Develop a spatial design through graphics practice216Yes1AS 91342Develop a spatial design through graphics practice214Yes1AS 91343Use visual communication techniques to compose a presentation of a design.214Yes1AS 91354Undertake brief development to address and issue -Arduino214Yes1Possible number of AS credits available 17PrerequisitesSatisfactory achievement in Year 11 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics & Design and Visual Communication). An interest in architecture and design is highly recommended.Other Details1Certificate in Electronics/Degree in Architecture & DesignWhere could this2Teacher / Electrician / Programmer/lead?1Certificate in Electronics Engineer or Technician5Designer (Art/Industrial/Systems)Creative IndustriesVocational Pathways428NoneVocational Pathways428None	Achi										,					
Number xt							Title			L		Cr	N	L	R	w
sustainable future. Managing E-waste. 2 1 4 Yes AS 91340 Use the characteristics of a design movement or era to inform design ideas. 2 1 3 Yes 1 AS 91340 Develop a spatial design through graphics practice 2 1 6 Yes 1 AS 91342 Develop a spatial design through graphics practice 2 1 6 Yes 1 AS 91343 Use visual communication techniques to compose a presentation of a design. 2 1 4 Yes 1 AS 91354 Undertake brief development to address and issue -Arduino 2 1 4 Yes 1 AS 91354 Undertake brief development to address and issue -Arduino 2 1 4 Yes 1 AS 91354 Undertake brief development to address and issue -Arduino 2 1 4 Yes 1 AS 91354 Undertake brief development to address and issue -Arduino 2 1 4 Yes 1 Vestista Satisfactory achievement in Year 11 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronic			Evolor	ingho		<u></u>		concoquoncos	for a	-	xt	0,		-		
AS 91340 Use the characteristics of a design movement or era to inform design ideas. 2 I 3 Yes Image: Constraint of the constres of the constraint of the constres of the constrain	A3 9	0011	-	-			-	-		2	I	4		Yes		
inform design ideas. Image: Construction of the second	AS 9								era to	2		2		Ves		
AS 91343 Use visual communication techniques to compose a presentation of a design. 2 I 4 Velocity AS 91354 Undertake brief development to address and issue -Arduino 2 I 4 Yes Possible number of AS credits available 17 Prerequisites Satisfactory achievement in Year 11 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics & Design and Visual Communication). An interest in architecture and design is highly recommended. Material Costs Course costs: \$50. (This covers basic materials costs, plus students purchase their own low-voltage projects if required) Expected Trips None Where could this lead? 1 Certificate in Electronics/Degree in Architecture & Design 2 Teacher / Electrician / Programmer/ 3 Product and Industrial Designer 4 Degree in Engineering / Electronics Engineer or Technician 5 Designer (Art/Industrial/Systems) Vocational Pathways 4 28 10	inform design ideas.										_				_	
presentation of a design.2144												6		Yes		
Possible number of AS credits available 17 Prerequisites Satisfactory achievement in Year 11 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics & Design and Visual Communication). An interest in architecture and design is highly recommended. Other Details Material Costs Course costs: \$50. (This covers basic materials costs, plus students purchase their own low-voltage projects if required) Expected Trips None I Certificate in Electronics/Degree in Architecture & Design Where could this lead? 1 Certificate in Electronics/Degree in Architecture & Design 2 Teacher / Electrician / Programmer/ 3 Product and Industrial Designer 4 Degree in Engineering / Electronics Engineer or Technician 5 Designer (Art/Industrial/Systems) Vocational Pathways Manufacturing Primary Industries Service Social & Community Service Creative Industries 4 28 Annufacturing Primary Industries Service Social & Community Service Creative Industries	/ 10 0	1010								2	I	4				
Prerequisites Satisfactory achievement in Year 11 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics & Design and Visual Communication). An interest in architecture and design is highly recommended. Other Details Material Costs Course costs: \$50. (This covers basic materials costs, plus students purchase their own low-voltage projects if required) Where could this lead? 1 Certificate in Electronics/Degree in Architecture & Design Where could this 2 Teacher / Electrician / Programmer/ 3 Product and Industrial Designer 4 Degree in Engineering / Electronics Engineer or Technician 5 Designer (Art/Industrial/Systems) Vocational Pathways Manufacturing & Primary Industries Service Social & Community Service Creative Industries 4 28 Industries Social & Community Service Creative Industries	AS 9	1354	Under							2	I	4		Yes		
Prerequisites some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics & Design and Visual Communication). An interest in architecture and design is highly recommended. Other Details Material Costs Course costs: \$50. (This covers basic materials costs, plus students purchase their own low-voltage projects if required) Expected Trips None Where could this lead? 1 Certificate in Electronics/Degree in Architecture & Design Material Observe in Engineering / Electronics Internation in Electronics Internation in Electronics Internation in Electronics Internation in Electronics Engineer or Technician Service Service Social & Community Creative Industries Vocational Pathways Manufacturing Primary Service Social & Community Creative Industries 4 28 Industries Service Social & Community Creative Industries Pathways 4 28 Industries Service Social & Community Creative Industries				Pos	ssible	num	ber of AS	credits avail	able 17							
Where could this lead? 1 Certificate in Electronics/Degree in Architecture & Design 2 Teacher / Electrician / Programmer/ 3 Product and Industrial Designer 4 Degree in Engineering / Electronics Engineer or Technician 5 Designer (Art/Industrial/Systems) Vocational Pathways Manufacturing & Primary & Service Industries Social & Community Service Creative Industries 4 28 Infrastruction 10			tes (I res N	ome s Electro ecomr	ketchi onics & mende	ing ab & Des ed.	ilities (2D ign and Vis	& 3D). This cou ual Communic costs: \$50. (Th	rse is a prere ation). An int is covers bas	equisite fo erest in a ic materia	r NCEA rchitect	Level ure a	3 ai nd c	nd Year lesign i	13 N s high	CET ly
Where could this lead?2Teacher / Electrician / Programmer/3 2			E	xpecte	ed Trip	os										
Iead? 3 Product and Industrial Designer 4 Degree in Engineering / Electronics Engineer or Technician 5 Designer (Art/Industrial/Systems) Vocational Pathways Manufacturing & Technology Primary Industries Service Industries Social & Community Service Creative Industries 4 28 Image: Article Artic							Cert					& Des	ign			
4 Degree in Engineering / Electronics Engineer or Technician 5 Designer (Art/Industrial/Systems) Vocational Pathways Construction & Infrastructure Manufacturing & Technology Primary Industries Service Industries Social & Community Service Creative Industries 4 28 Image: Construction & Creative Industries 10				s												
Vocational Pathways Construction & Infrastructure Manufacturing & Technology Primary Industries Service Industries Social & Community Service Creative Industries 4 28 6 6 10 10		iea	u f	⊢			Degr					chnic	ian			
Vocational PathwaysConstruction & InfrastructureManufacturing & TechnologyPrimary IndustriesServiceSocial & Community ServiceCreative Industries428Image: Community IndustriesCreative Industries10				⊨			2.521									
Pathways 4 28 29 20 10 10	Vor	ationa						Primary	Primary Service			Social & Community				tries
								maustries	Service				10			
See Mr van Zyl (C10)		-						6 11								

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Level	3					LECTRONICS & (13ELE)	& DES	IGN	Ap	UE prove ubject			Ye	5	
and s prob 1. Ex for S 2. Re build 3. Ex Appl need prob 4. Es	solvin lem w plorin ustain searc ling (e plore y basi led – r lem. tablisl	g real- vith ar nability h and e.g., a solvin c code minor h links	work a Ardu ainak y. explo mode g pro e to A twea s to th	d prob uino. bility an ore the ern sus oblems orduinc oks only ne Sust	lems. F nd oppo design tainabl using t)/Micro y). The ainable	ch will give studer or example, desig ortunities to mana of buildings (Arch e house and more he Arduino Uno (r bit (copy and past focus is not on coo e Development Go ers, DC batteries, o	n a buil age e-wa nitectur e). Work micropr te code ding bui pals (SD0	ding aste e). L tog oces fron t on Gs) -	in Minec (recyclin Jse Minec ether in t ssor and e n the libra designing - Sustaina	raft Ed g and r craft Ec eams c electroi ary – m g a circi able Cit	ucation epurp lucation of 2. nic sc inima uit to ies ar	on. Solv oosing). on to d affoldir al code solve a nd Envir	ving . Edu esig ng). writ rea	a ucation n a :ing I-life	
						re – to create and	test cir	cuit	s (e.g. a li	ght ser					
Only Achi AS 91735						ble. taken to sustain an	d/or				L3		UE		
, 10 9 1 , 00					nvironm		u, 01	3	I	4		Yes			
AS 91628				-		at exhibits a design	1	3	1	6					
				udience				_	<u> </u>	_					
AS 91629 AS 91610						egraphics practice. Insidering fitness for		3	I	6					
A3 91010				roadest		insidering fittless for		3	I	6		Yes			
	<u> </u>					credits available 22	2								
Prerequisi	TAC		-			n Year 12 Electronic D). An interest in arc	. –					-		g some	
Other Det	ails –	Mat	erial (Costs	Cours	e costs: \$40.									
		Expe	ected		None										
14/1-			1			lectronics/Degree i		ectur	e & Desig	n					
Where collea		115	 2 Teacher / Electrician / Programmer 3 Product and Industrial Designer 												
	u .	ŀ	4			neering / Electronic	neer or Technician								
		ŀ	5	· ·	Ţ	Industrial/Systems)									
Vocation		Construction & Infrastructure		& r	nufactu ing & hnology	Primary Industries	Service Industries		Social & Commun Service		lity	Creative		Industries	
Pathway	's		4		4										
						Soo Mayor 7	d (C10)								
						See Mr van Zy									

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Laural	2		Course Na	ame:				UE A	pprove	d	Na	
Level	2		Employm	ent Sk	ills (1	.2EN	1P)	Subj	ect		No	
Course Overvie	w		Transition st completing course conte meet individ	a range c ent is ma	of Unit : de up o	Stand of the	ards to h	nelp prepar	e them fo	r the fut	ure. The	
				As	ssessm	ents	Offered	k				
Standard Number			Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
US4261		obliga ownin	fy legal rights a tions in relation ag and operatin e motor vehicle	n to g a	2	I	3					
US3462		traffic	nstrate knowle laws for the pu e driving	-	2	I	3					
US8545		contri	ibe factors of, buting to and quences of crin	ne	2	I	3					
US4259		Zealar	ibe the role of I nd Police and th es it provides to nunity	ne	2	I	3					
US12354		indep	ibe implications endent living, in g and flatting		2	I	4					
US24871		Comp	lete complex fo	orms	2	I	2					
					•	•	т	otal numbe	r of credits	available	18	
Prerequ	uisit	tes	None.									
			Materials	Nil								
Other D)eta	ails	Expected Trips	Nil								
Where this lea		Id	Towards becoming and independent school leaver.									
Vocatio			Construction & Infrastructure	Manufac & Techn	U U		mary Istries	Service Industries	Comn	ial & nunity vice	Creative Industries	
Pathwa	ys		3	3			8	3	1	8	9	
					See	e Mr Ly	ynn					

Level 3	3	Course Na Employm	JE A Subje	pprove ect	d	No					
Course Overview	I	Transition st completing a course conte meet individ	a range c ent is ma	of Unit de up (Stand of the	ards to h	nelp pi	repare	them fo	r the futi	ire. The
			As	sessm	ents	Offered	ł				
Standard Number		Title		Level	Int/ Ex	Credits	L. Nume		L1 Literacy	UE Lit Reading	UE Lit Writing
US4251		career pathwa		3	I	2					
US28090	perso	ate options to in nal income	ncrease	3	Ι	3					
US7127	How t purch	o make a good ase		3	I	2					
US1980	emplo ways	ibe from an oyee's perspect of dealing with oyment relation		3	I	3					
US12356	consu	nstrate knowle mer problems a to resolve them	and	3	1	3					
US4251	Plan a	career pathwa	У	3	I	2					
US28099	select	se credit optior strategies to m nal finances		3	I	3					
						T	otal nı	ımber	of credits	available	18
Prerequis	sites	None.									•
-		Materials	Nil								
Other De	talls	Expected Tri	ps Nil								
Where co this lead?		Towards bec	coming a	n inde	bende	ent schoo	ol leav	er.			
Vocation		Construction & Infrastructure	Manufact & Techno			nary stries	Serv Indus		Soci Comm Serv	nunity	Creative Industries
Pathways	5	3	3		8	8	3	5	1	8	9
				See	e Mr Ly	/nn					

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YEAR 12 ENGLISH IS OPTIONAL

Level	2	Course Name: English - 1: (12EN	IG)						
Course Overvie	w	In this course you will de analyse and write about reading is a crucial part of several texts. You will be to work towards them th	English I of this co offered proughou	iteratu urse ar two'e it the y	re, includi nd you wil xternal Ac year.	ng written a I need to be hievement S	nd visual/oral prepared to r	texts. Indep ead and resp	endent oond to
			Asses	ssmer	nts Offer	ed			
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91098	of s	lyse specified aspect(s) tudied written text(s), ported by evidence	2	E	4		Yes	Yes	Yes
AS91099	of s tex	llyse specified aspect(s) tudied visual or oral t(s), supported by dence							Yes
AS91100	of u thre	Ilyse significant aspects Infamiliar written text(s) Dugh close reading, ported by evidence	2	E	4		Yes	Yes	Yes
AS91101	Pro crat	duce a selection of fted and controlled	2	I	6		Yes		Yes
AS91102		nstruct and deliver a field and controlled oral t	2	I	3				
AS91103		ate a crafted and trolled visual and verbal t	2	I	3				
AS91106	res rea	m developed personal oonses to independently d texts, supported by dence	2	I	4		Yes	Yes	Yes
AS91107		lyse aspects of visual /or oral text(s)	2	I	3		Yes		
Possible n	numbe	r of credits available							27
Prerequis	ites	10 credits from new NCE	A Level 1	1					
Other Det	ails		rcise boo	k and	Laptop				
		Expected Trips Nor	-						
Where co		Year 13 English, tertiary	courses t	hat re	quire or re	commend E	nglish as part	of degree or	course
this lead? Vocationa Pathways	ıl	prerequisites.Construction&ManufaInfrastructure& Tech	icturing nology		mary Istries	Service Industries	Social & Communi Service	ty Cre	eative ustries
			See yo	our Eng	lish Teach	ners			

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Level	2	Course N English -	lame: 2 (12ENI)	(Inte	ernals	s Only)				
Course Overview		to develop	e offers lev the ability about Engli	to cra	aft and	l contro	ol effective	, writing,	, and to a	nalyse	
			As	sessm	ients O	ffered					
Standard Number	Title			Leve	Int/ Ex	Credit s	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
US25073		d texts to reco ering points of c									
US2989		ct, read, and a topic									
AS91104		lyse significant nections acros									
AS91105	to fo	information lit orm developed clusions				4		Yes			
AS91107		lyse aspects of /or oral text(s)	visual	2	I	3		Yes			
Possible nu	ımber	of credits avai	lable						17		
Prerequisit	tes	None									
Other Deta	nils	Materials Expected Trip	Exercise s None	book a	and Lap	top					
Where cou this lead?	ld	Level 2 credit	s and courses	in all v	ocation	al pathw	ays for stud	lents leavi	ng school.		
Vocationa		Construction & Infrastructure	Manufacturing & Technology	In	rimary dustries	Inc	ervice dustries	Social & Community Service	y Inc	eative lustries	
Pathways		L1 19 L2 16	L1 19 L2 10		.1 19 .2 16		1 19 2 16	L1 19 L2 16		1 19 2 19	
			See	e your	English	teacher					

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		Course Na Year 13 En	me: glish (13EN)	G)			UE App Subject			Yes
Course Overview		This course ex writing, and to visual/oral tex need to <u>comp</u>	tends and deve o critically analy ts. You will be lete at <i>least</i> or ure encourages	elops yo yse and offered <u>ne</u> of th	write a l two e ese if y	about Er xternal A ou wish	aft and con nglish litera Achieveme to attend u	trol fluen ture, inclu nt Standa university	uding wri rds and y in 2024.	itten and /ou will Studying
			As	sessme	nts Off	ered				
Standard		Title		Level	Int/	Credits	L1	L1	UE	UE
Number AS91472	aspe	oond critically to ects(s) of studied (s), supported by	written	3	Ex Ex	4	Numeracy	Literacy Yes	Reading Yes	Writing Yes
AS91473	Resp aspe	oond critically sp ect(s) of studied v (s), supported by	ecified visual or oral	3	Ex	4		Yes	No	Yes
AS91475	cohe	luce a selection or erent writing whit ains, and structu	ch develops,	3	Int	6		Yes	No	Yes
AS91476	cohe	te and develop a crent oral text w ains, and structu	nich develops,	3	Int	3		Yes	No	No
AS91477	text strue	te a fluent and c which develops, ctures ideas usin al language	sustains and	3	Int	3		Yes	No	No
AS91478	conr	oond critically to nections across to ported by eviden	exts,	3	Int	4		Yes	No	No
AS91480	aspe texts	oond critically to ects of visual and s(s) through closported by eviden	/or oral e reading,	3	Int	3		Yes	No	No
Possible nu	ımber	of credits availe	able - 12 externa	l and 16	interne	al				27
Prerequis	ites	10 English cred	its at Level 2 - in	cluding	4 UE rea	ding cre	dits			
Other Det	ails	Materials Expected Trips	Exercise book	and ch	romebo	ook or e	quivalent			
Where co this lead?		Tertiary study	and a wide rar h language is re	-		in which	n a high stai		poken a	nd
Vocationa		Construction & Infrastructure	Manufacturing & Technology		Primary Idustries		Service dustries	Social & Communit Service	ÿ	Creative Industries
Pathways		28	19		26		28	28		19
			6	your En	-1:-h T -					

Level	2/3	Course Name:UE ApprovedGateway (12GAT / 13GAT)Subject										
Course Overviev	N	Gateway offers stude of their choice. Stude employer during Tern Pathway standards in	nts will comp n 2 or 3, and	lete a will als	n 80 hou so compl	ır work plac lete industr	cement a y based	t a local Vocationa	al			
Assessm	ents	Offered										
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing			
4252		roduce a targeted ersonal CV	onal CV 2 I 2 No No No No									
4251	Р	lan a career pathway										
4253		btain job search skills	No	No								
30265	ri	pply health and safety sk assessment to a job ble	assessment to a job 3 I 4 No No No									
			L		То	tal number o	of credits	available	20+			
Prerequi	isites	A strong idea of what to apply for Gateway		itervie	wed bef	ore being a			its need			
Other De	etails	Materials Expected Trips		Wor		ided ients in the rm 2 or 3	local are	ea – one				
Where c this lead		An apprenticeship or trades areas including building and construc careers, sports and re	hair and beation, electrica	auty, e al, plu	ngineeri mbing, e	ng, automo arly childho	otive, pri	mary indu	ustries,			
Vocatior Pathway	-	Construction & Infrastructure 20	Manufacturing Technology 20		Primary ndustries 20	Service Industries 20	s Co	Social & mmunity Service 20	Creative Industries 20			
			See Mrs	Thom	as							

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Level	2	Course Na	me:						
Level	2	Geograph	y (12G	EO)					
Course Overview	,	Level Two Ge people intera the world an builds on ide the world the hands on fiel	act with t d encour as from I ey live in	hese. G ages stu evel on Studer	Geography udents to a e and deve nts learn n	examines co analyse diffe elops studen	ontempora rent persp ts critical t	iry issues ectives. Le hinking sk	around evel Two tills about
				Assessn	nents Offe	red			
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91243	conce to dei undei	geography pts and skills monstrate rstanding of a environment.	2	E	4		Yes		
91241	geogr under an url	onstrate aphic rstanding of ban pattern. e in Chicago)	2	I	3		Yes		
91244	Condi geogr resea guida	aphic rch with	2	I	5	Yes			
91247	Apply analy:	spatial sis, with nce, to solve a aphic	2	I	3				
91246	Explai geogr a glob	in aspects of a aphic topic at bal scale. <i>ingered</i>	2	I	3		Yes		
						Total numb	er of credit	s available	18
Prerequis		Year 11 Geog				required.			
Other Det Where co	ould	Materials Year 13 Geog	·		onery list mployme	nt skills.			
this lead?		Construction &	Manufact		Primary	Service	Socia	al &	Creative
Vocationa Pathways		Infrastructure 7	& Techno	<u> </u>	Industries	Industries	Communit		Industries 9
			See	Ms Osbo	orne/Mrs N	/larwick			

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Level	3	Course Name	e:			UE App	roved	Yes	
Level	3	Geography	(13GEO))		Subject		Tes	
Course Overview		Level Three Geogr interact with these encourages stude on ideas from leve to plan for a susta hands on fieldwor	e. Geograp nts to analy el Two and inable futu	ohy examine: /se different develops stu re. Student:	s contemp perspecti idents crit s consolida	oorary issues ves and cour ical thinking ate their geo	around the ses of action skills aboun graphic ski	e world and on. Level Thr t the world, lls and apply	ee builds and how
			Α	ssessments	Offered				
Standard Number		Title	Level	Int/ Ex	Credits	L1	L1	UE Lit	UE Lit
91426	geogr under intera proce Zealar enviro	rstanding of how acting natural sses shape a New and geographic onment <i>ariro Volcanic</i>	3	E	4	Numeracy	Literacy	<u>Reading</u> Yes	<i>Writing</i> Yes
91429	Demo under given throu applic	rstanding of a environment gh selection and cation of aphic concepts	3	E	4			Yes	Yes
91428	Analy conte from persp	se a significant mporary event a geographic ective. <i>(Eg</i> workx)	3	I	3			Yes	
91430	resea consu (Vege	uct geographic rch with Iltation. tation patterns t Ruapehu)	3	I	5			Yes	
91431	Analy conte geogr (Eg Ro	se aspects of a mporary aphic issue. amraids)	3	I	3			Yes	
91432	geogr globa	se aspects of a aphic topic at a l scale. <i>ic in Ocean)</i>	3	I	3			Yes	
						Total numb	er of credit	ts available	22
Prerequis	ites	Year 12 Geograph			equired.				
Other Det	ails	Material Costs	-	tionery list					
Where co this lead?	uld	Expected Trips University courses science, Marketin	s, Urban pla		onal Cound		-		
Vocationa Pathways	al	Construction & Infrastructure	Manufact uring & Technolog Y	Primary Industries		e Industries	Social & Commur Service	& Creat	ive Industries
- 1-		4		11		22	3		6
			See N	Is Osborne/	Mrs Marv	vick			

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	2	Course Name:												
Level	2	History (1	2HIS)											
Course Overview	,	 Wars Battle Assas Placing ourse unique place knowledge of Students will 	d, especiall der how eve em solving, inking. opics cover .972 Munic aw Ghetto es in the Wa sinations lves as New in the worl significant get the cha	y in the ents in t forming red inclu h Olymp Uprising aikato a v Zealan d. Trave places. ince to e	twentiet he past s g argume ide: bics Mass g nd wider ders in t l overses experien	th century still affect ents, consi sacre r region he contex as is also e ce History	In History, our world t dering diffe t of world h nhanced by	students oday and erent pers istory cla y some ba	will be gain skills pectives rifies our ickground					
			rip around key sites of the battle grounds. Assessments Offered											
Standard		Title	Title Level Int/Ex Credits L1 L1 UE Lit UE Lit											
Number	Corre				Creuits	Numeracy	Literacy	Reading	Writing					
91229	an his place	out an inquiry o storical event or of significance t Zealanders	2	I	4		Yes	Yes	-					
91230	event	ine an historical : or place of icance to New nders	2	I	5		Yes	Yes						
91232	persp histor signif	oret different fectives of an rical event of icance to New nders	2	I	5		Yes	Yes						
91233	Exam conse	ine the causes a equences of a icant historical	nd 2	E	5		Yes	Yes	Yes					
						Total num	ber of credit	ts available	e 19					
Prerequis	sites	While Year 11 for Year 12 Hi		ovides a	useful k	backgroun	d, there are	e no prere	quisites					
Other De	tails	Materials N/A												
Where co this lead?	ould	History and C	Year 12 History provides a basis for the skills and concepts required for Year 13 History and Classical Studies.											
Vocation	al	Construction & Infrastructure	Manufacturin & Technology	—	rimary Iustries	Service Industries	Soci Communi		Creative Industries					
Pathways	5	-	-		-	9	-	-	24					
			See M	iss Paton	or Miss	Chambers								

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	•	Course Nan	ne:			UE	Approv	ed	N				
Level	3	History (13	HIS)				bject		Yes				
Course Overviev	v	The course wil not covered in Students look backyard. They events based of Hood real? Do In Level Three solving, critical forming argum	l be split i Years 11 at an aspe will also on conspir es Atlantis History, s thinking,	and 12, ect of 19 focus or acy theo s exist? V tudents	along wi th Centur n using e ories, my Was Pea will gain	ns looking a th two area ry New Zeal vidence to ths and leg rl Harbour a transferab	t a period as of stude and and H unlock cor ends- Who a set up? T le skills arc	nt choice listory in ntested h o shot JFI he list go ound pro	our own istorical (? Is Robin pes on. blem				
			Ass	sessmer	nts Offer	ed							
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing				
91434	event signif Zeala	arch an historical t or place of icance to New nders using ary and secondary ses	3	I	5			Yes					
91435	event signif	rse an historical t or place of icance to New nders	3	I	5			Yes	; -				
91437	persp conte signif	rse different pectives of a ested event of icance to New nders	3	I	5			Yes	; -				
91438	Analy conse	rse the causes and equences of a icant historical	3	E	6			Yes	s Yes				
						Total numb	er of credit	s availabl	e 21				
Prerequi	sites	Although Year Year 13 Histor		y provid	es a bacl	kground, th	ere are no	prerequ	isites for				
Other De	etails	Materials Expected Trips	N/A TBC		onuuill		lo chille +b-	- به الزيد + د	ncfor to				
Where co this lead		almost any car arguments, co careers are tea	Students taking Level Three History will gain valuable skills that will transfer to almost any career path. These skills include, but are not limited to forming arguments, considering different perspectives and critical thinking. Possible careers are teaching, law, foreign affairs, publishing, broadcasting, social welfare, archaeologist and politician, among others.										
Vocation	al	Construction &	Manufacturin & Technolog	g Pi	rimary lustries	Service Industries	Socia Communit		Creative Industries				
Pathway					10	10			10				
				See I	Ms Paton								

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Level	2	Course Nat Home Ecor Food Tech	nomi	-	-	-	nd			
Course Overview	,	This course ha being of indiv enhancing cha preparation is	iduals ange f	and so or indi	ociety. viduals	Student s, comm	s will learn unities and	about sus	tainable h	nealth –
				Asse	ssmen	ts Offer	ed			
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91299	the p	se issues related rovision of food f le with specific fo s.	for	2	I	5		Yes		
AS91302		ate sustainable f ed practices.	ood	2	I	5		Yes		
AS91304	strate	ate health prome egies designed to ess a nutritional r		2	E	4		Yes		
AS91355	tools	t and use plannir to manage the opment of an ome.	ng	2	I	4				
AS91357	devel	rtake effective opment make ar prototype.	nd	2	I	6				
US17285	Demo of cor coffee prepa bever	ponstrate knowled mmercial espress e equipment and are espresso rages under vision.	50	2	I	4				
US17286	Prepa	re and present ed coffee for ser	vice.	2	I	2				
US17287	Prepa	re and present ed coffee for serv		2	I	2				
Possible nu	ımber c	of credits availab	le							24
Prerequis	ites	Completion o	f a jun	ior Foo	od Tec	hnology	programm	e is desiral	ble.	
Other Det		Material Costs Expected Trip								
Where co this lead?		Level 3 Home employment;				od Techi	nology; Pol			pitality
Vocationa	al	Construction & Infrastructure		acturing inology		rimary Iustries	Service Industries	Soci Communi		Creative Industries
Pathways				0		5	30	1		
				Se	e Mrs	Gwengo				

TPERSIEN EST

Level	3	Course Na Home Eco Technolog	nomi			od		UE Approv Subject		Yes			
Course Overviev	1	Students will reflect on the analyse attitu Practical foo	e facto udes ar	rs that nd valu	influe es tha	nce peop t influen	ole's choices ce their ow	s and beha n and socie	viours. Tł	ney will			
				Asse	ssmer	ts Offer	ed						
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing			
AS91466	issue	stigate a nutritic affecting the w g of New Zealan ety.	ell-	3	I	5			Yes				
AS91643	Impl proc	ement complex edures to process a 3 I 6 ified product.											
AS91609	Unde	ertake project agement to supp nological practic		3	I	4							
AS91611	Deve cons	elop a prototype idering fitness o ose in the broad	f	3	I	6							
AS91471		yse the influence advertising on v g.		3	E	4				Yes			
US17284	of co	onstrate knowle ffee origin and uction.	edge	3	I	3							
US17288		are and present esso beverages f ce.		3	I	5							
Possible n	umber	of credits availa	ble							25 AS 8 US			
Prerequis Other De Where co this lead	tails ould	sites Completion of junior Food Technology course is desirable. tails Expected Trips Nil University study – Dietetics, Food Science, Applied Consumer Science, Health Promotion Nutrition Education: Polytech study – chef, sous chef, kitchen hand:											
Vocation	al	Construction & Infrastructure	Manufa	acturing nology	Pri	mary ustries	Service Industries	Socia Comm	unity	Creative Industries			
Pathway		10		6		19	11	Serv 2		10			
				Se	e Mrs	Gwengo)						

I Para leal

Lavel	2	Course Na	me:							
Level	2	Japanese	(12JAF)						
Course Overview	1	The aim of th reading, writ culture. There is a sch	ing, spea	king and	d listening	and to	learn	more of J	lapanese	life and
_		Topics: Food	culture,	recreati	on, relatio	onships a	and sc	hool syst	em.	
				Assessn	nents Offe	ered	1			
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numera	су	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91133	Lister	ning	2	E	4					
AS91135	Speed	ch	2	I	5					
AS91134	Conve	ersation	2	I	5					
AS91136	Readi	ng	2	E	5					
AS91137	Writi	ng	2	I	5					
Total num	ber of c	redits available								24
Prerequis	sites	Level 1 Japan the subject fo (LAL) approva	or the fir		-				-	
Other De	tails	Materials Expected Trip	25							
Where co this lead?		Language-lea communicati These are us movie, food marketing, la	on skills. seful in t industry	the edu	cation se gs. Also in	ctor and	d tou	rism, aniı	mation a	nd manga,
		It broadens s culture and h			-			-	-	ge and
Vocation	al	Construction & Infrastructure	Manufact & Techno		Primary Industries		vice stries	Soci Communi	al & ty Service	Creative Industries
Pathways						2	0	5	5	15
		·		See M	rs Sasanun	na				

TPORT (ESI)

	2	Course Name	:			UE	Approv	ved	Maa
Level	3	Japanese (13.	JAP)			Sul	bject		Yes
Course Overview	V	The aim of this co reading, writing, s culture. There is a scholars	peaking	and lis	tening an	d to learn n	nore of Ja	ipanese l	ife and
		Topics : media and environment and			t, travel a	nd tourism,	employn	nent, the	2
			Asses	smen	ts Offered	I			
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91553 (3.1)	Lister	ning	3	E	5				
AS91554 (3.2)	Spee	ch	3	I	3				
AS91555 (3.3)	Conv	ersation	3	I	6				
AS91556 (3.4)	Read	ing	3	E	5				
AS91557 (3.5)	Writi	ng	3	I	5				
Total num	ber of	credits available	1	1	<u> </u>			1	24
Prerequi	sites	Level 2 Japanese i the subject for the (LAL) approval.		-					•
Other De	tails	Materials							
		Expected Trips Language-learning communication sk		care	er optio	ns open,	and dev	velops ii	mportant
Where co this lead		These are useful movie, food indu marketing, latest It broadens stude	stry sett technolo nts' hori:	tings. <i>J</i> gy. zons tł	Also in th nrough un	ne areas of derstanding	managei g another	ment, jo languag	urnalism,
		culture and helps). ial&	
Vocation		Construction & Infrastructure	Manufact & Techno	U U	Primary Industries	Service Industries	Comn	nunity vice	Creative Industries
Pathway	5	6				6	1	1	
			See	Mrs Sa	asanuma				

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Laural	2	Course Na	me:							
Level	2	Mathema	tics 1	(12MA	C)					
Course Overview		This course is career in eith creative indu Students who at NCEA Leve Assessment f and two exte	ner con Istries. D comp el 3 can for this	struction plete this do Math course is	& infr course emati by Ac	astructu e and are cs with (hieveme	re, manufac e willing to c Calculus.	cturing & t continue w	echnolog ith Mathe	y or ematics
		I	,			offere	d			
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91269		y systems of tions in solving lems		2	I	2	Yes			
AS91257		y graphical meth ving problems	nods	2	I	4	Yes			
AS91259		y trigonometric ods in solving lems		2	I	3	Yes			
AS91261		y algebraic meth ving problems	ods	2	E	4	Yes			
AS91262		y calculus methong problems	ods in	2	Е	5	Yes			
Total numb	per of cr	edits available								18
Prerequis	ites	At least 10 cr least one of t AS91029).								
Other Det	ails	Material Cos Expected Trip		raphics ca one	lculat	or \$95				
Where co this lead?	uld	This will lead			emat	ics with (Calculus			
Vocationa		Construction & Infrastructure		acturing & hnology		mary ustries	Service Industries	Socia Comm Serv	nunity	Creative Industries
Pathways		18		18		13	6	0)	9
				See Mr Sı	nith o	r Mr Kei	np			

TPORT (ESI)

	•	Course Na	me:							
Level	2	Mathema	tics 2	(12N	IAS)					
Course Overviev	N	This course is career in eith industries. Students who at NCEA Leve Assessment f internally and	er soc comp l 3 car or this	ial & co plete th n do Ma s course	is cou them is by	nity serv rse and a atics with Achiever	ice, prim are willir h Statisti ment sta	ary, creative ng to continue ics. Indards. Ther	or service e with Ma	thematics
		· · · · ·		Asse	ssmer	nts Offer	ed			
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numero	L1 Icy Literacy	UE Lit Reading	UE Lit Writing
AS91256	Geor	y Coordinate metry methods i ng problems	า	2	Ι	2	Yes			
AS91264	Uses	statistical metho e an inference	ds to	2	Ι	4	Yes	Yes		
AS91265	inves	luct an experime stigate a situatio g statistical meth	n	2	I	3	Yes	Yes		
AS91267		y probability me lving problems	thods	2	E	4	Yes	Yes		
AS91268	invo	stigate a situatio ving elements of ce using a simula	F	2	I	2	Yes	Yes		
Total nun	nber of	credits available								15
Prerequi	isites	At least 10 A						A Level 1 Mat	hematics	
Other De	etails	Material Cost		· ·	calcu	lator \$95	5			
Where c this lead	ould	Expected Trip Level 3 Math		one cs with :	Statis	tics				
Vocation		Construction & Infrastructure		acturing nnology		imary ustries	Servic Industri	e Comn	ial & nunity vice	Creative Industries
Pathway	/>	5		5		15	11	1	.5	5
				See Mr	Smith	n or Mr Ke	emp			

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Level	3	Course Na Mathema	-	vith Ca	alculu	s (13	MAC)	UE App Subject		Yes
Course Overview		This course is infrastructur will also enal involving any Technology. Assessment i and 3 extern	s appro e, mar ole stu of Ma n this	opriate nufactur Idents to athemat course i	for stuc ing & to o under cics, Phy is by Ac	lents w echnol take a vsical S hieven	vith a major ogy and pri ny course a cience, Eng	interest in mary indus t a tertiary ineering ar	construc tries. This institutio nd Inform	s course n ation
				Asse	ssment	s Offer	ed			
Standard Number		Title		Level	Int/ Ex	Credit	5 L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91573		y geometry of co ons in solving lems	onic	3	I	3				
AS91575		/ trigonometric ods in solving ems		3	I	4				
AS91577	comp	y the algebra of plex numbers in ng problems		3	E	5				
AS91578		y differentiation ods in solving lems		3	E	6				
AS91579		<pre>v integration me ving problems</pre>	ethods	3	Е	6				
Total num	ber of a	redits available								24
Prerequis	ites	At least 16 cr						luding Alge	ebra and	Calculus.
Other Det	tails	Material Cos Expected Tri		iraphics Ione	calcula	tor \$9!	5			
Where co this lead?		Any tertiary		tion.						
Vocationa		Construction & Infrastructure		facturing hnology	Prim Indus	-	Service Industries	Comr	ial & nunity vice	Creative Industries
Pathways		17		15	14	L.	0		8	3
				9	See Mr S	Smith				

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		Course Na	ame:					UE Ap	proved	
Level 3		Mathema	tics v	vith Sta	tistic	s (13N	/IAS)	Subje	ct	Yes
Course Overview		This course i aspects of al the practical learning dev This course a questions re English is rea considering biological or leads to a ca three interna Concepts 91	gebra applic ices ar also rec quire c quired. majori social reer in als and	and comp ation of N e used ex quires the considera Mathem ng in Mat sciences, primary	vatatio Mather tensive a abilit ble int atics w hemat medic indust	nal skills matics. (ely. y to rese erpretat vith Stat ics at ur ine, con ries. Stu	s as well. M Calculators, earch and w ions, so a r istics is inte niversity, or nmerce and idents are g	uch of the computer rrite repor easonable nded for s for those l administr given the c	e course inv rs and pers ts. Many standard o students interested ration. It al option of do	volves onal of in so oing
				Assess	ments	Offere	d			
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91574 (optional)	pr	oply linear ogramming me solving probler		3	I	3	Yes			
AS91580	ln da	vestigate time s Ita	eries	3	I	4	Yes	Yes		
AS91581		vestigate bivari easurement dat		3	I	4	Yes	Yes		
AS91582	m	se statistical ethods to make rmal inference	а	3	I	4	Yes	Yes		
AS91585	со	oply Probability ncepts in solvir oblems		3	E	4	Yes			
AS91586	di	oply probability stributions in sc oblems	olving	3	E	4	Yes			
Total numbe	r of a	credits available	?							20
Prerequisit	es	At least 12 A a genuine at	tempt	at the Pro	obabili	ty exter	nal AS9126		ematics ind	cluding
Other Deta	ils	Material Cos Expected Trips		ptop/tab one	let, sci	entific c	alculator			
Where cou this lead?	ld	Any tertiary	institu	tion						
Vocational		Construction & Infrastructure		facturing hnology	Prin Indus		Service Industries	Socia Comm Serv	unity	Creative ndustries
Pathways		3		3	2	3	12	16	6	4
				See Mr S	Smith o	r Mr Ker	np			

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	2	Course Na	ame:							
Level	2	Music (12	2MUS)							
		This course is	-	tween o	ur trad	itional Pe	erformance N	Ausic cour	se and the	
		vocational inc	lustry course	, which a	llows	students	to learn skills	s through a	a practical a	approach
		of music perfe		-					/ to perforr	n,
Course		compose and	-	-		-				
Informat	ion	This course is	-					dustry-bas	ed work or	for the
mormat		continued dev	-				-			
		Special requi				•			0	ool or
		community.					• •	er in schoo	l or in the	
		community a					ur.			
				Assessm	ents (Offered			-	. — — — — — — — — — — — — — — — — — — —
Standard		Title		Version	Int/	Credits	L1	L1	UE Lit	UE Lit
Number				Version	Ex	creates	Numeracy	Literacy	Reading	Writin
AS91270		rm two substanti as a featured so	•	2	I	6				
	_	rm a substantial								
AS91274		as a featured so		2	1	3				
		d instrument.		-		Ū				
	Demo	onstrate ensemble	e skills by							
AS91272		rming a substant		2	I	4				
	_	as a member of	- ·							
AS91271	music	ose two substan	tial pieces of	2	I.	6				
		Instrate knowled	ge of							
AS91276		intions in a range		3	E	4		Yes		
	_	onstrate and appl								
US27658	of ele	ctronic music pro	duction and	2	I	4				
		notation applica								
US27702		responsibility for		2	I	4				
		onstrate and appl								
US27700		ge lighting desigr		2	1	4				
		ss for a performa		_	-					
		onstrate and appl								
US27703		ind control and		2	1	4				
001//00		ncement processo		-						
		performance con		ļ	ļ					
Possible n	umber	of credits availa								39
		Students wish	-							
	•	confidently an	•	• •						
Prerequi	sites	11 Music is de						-		
		music lessons	-	Itinerant	IVIUSIO	: Scheme	. An auditio	n may be r	equired at	the star
		of the course.			ا اسمیں					
04k		Materials		2 Music	workb	OOK				
Other De	talls	Expected	TBC							
		Trips			-					
Where c		Level 3 Musi						Mr McIn	tyre for fu	rther
this lead	?	details abou	t possible ca	areer pa	thway	s throug	gh Music.			
		Construction &	Manufacturi	ng &	Prima	iry	Service		cial & munity	Creative
Vocation		م Infrastructure	Technolog	SY .	Indust	ries	Industries		rvice	Industrie
Pathway	S									39
										- 35

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Level	3	Course Nam	ne:		ι	JE Approved	Yes
Levei	3	Music (13M	US)		S	Subject	res
Course Informa	tion	learning on their course is designe development and Special requirem work diligently to	interests and d to lead stud d enjoyment o ents: Studen o complete the r community.	capabilities wi ents on to term of the discipling ts will choose eir project. Stu Students mus	th consultatio tiary study, inc e. at least 14 cre udents must b st be involved	and lead their own pr n with the Music Learr dustry-based work or for dits or more for this co e learning an instrume in musical groups eithe	ning Area. This or the continued ourse and will ent either
			Ass	essments Of	fered		
Standard		Title	Version	Int/Ext	Credits	UE Lit	
Number AS91416		rm two programmes isic as a featured t	2	I	8	Readin	ng Writing
AS91421	Demo under tonal	rstanding of harmoni conventions in a of music scores	c 2	E	4		
AS91417	music	rm a programme of as a featured soloist second instrument.	2	I	4		
AS91418	skills subst	onstrate ensemble by performing two antial pieces of music nember of a group.	2	I	4		
AS91419	Comn intent	nunicate musical tion by composing original pieces of	2	I	8		
AS91424	Creat	e two arrangements ensemble.	2	I	4		
AS91420	-	rate aural skills into en representation.	2	E	4		
AS91425	Resea	rch a music topic	3	I	6	Yes	
AS91849	songs imagi	ose three original that express native thinking	1	I	8		
US28003	apply	rrch, develop and a stage lighting desig pt for a given work	gn 3	I	6		
US28005	Stage	-manage a productio	n 3	I	6		
Possible i	number	of credits available	·		At lea	nst 14 – up to 62 credit	ts 62
Prerequ	isites	confidently and o Music is desirabl music lessons the the course.	competently, e or in consul rough the Itin	or up to at lea tation with th erant Music S	est Grade 4 lev e Music Learn cheme. An au	o sing or play an instru vel. Successful comple ing Area, commitmen udition may be require	etion of Year 12 t to weekly
Other D		Materials Expected Trips	TBC	isic Workbook			
Where of this lead		A future in the C pathways throug		ries. See Mr N	/ICINTYRE for fu	urther details about po	ossible career
Vocatio	nal	Construction &	Manufacturing & Technology	Primary Industries	Service Indust	Social & ries Community Service	Creative Industries
Pathway							

T Prosed (Fell 182

Loval	2	Course Na	me:							
Level	2	Physics (1	L <mark>2</mark> PH	Y)						
Course Overvie	w	Physics can between the living) work a areas of Scie Students nee carry out pra While 26 cre individual pro	two. as the nce an ed cur actical dits an	It is abo y do. Th nd unde iosity ar investig re availa	out ho nis cou rpins nd ima gation able, it	w and wh urse provic most of th gination, I s and solve : is expected	y things (oth les the foun e technolog problem-sol e graphical a	ner than cl dation for y we use i ving skills and mathe	hemical ar ⁻ many oth in our dail and the al ematical pr	nd er y lives. pility to roblems.
				Asse	essme	nts Offere	d			
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91168	invest non-li	out a practical ph tigation that leads near mathematic onship.	s to a	2	I	4	Yes	Yes		
AS91172		onstrate understa omic and nuclear cs	nding	2	I	3		Yes		
AS91170		onstrate understa	nding	2	E	4	Yes	Yes		
AS91171		onstrate understa chanics.	nding	2	E	6	Yes	Yes		
AS91173	of ele	onstrate understa ctricity and omagnetism.	nding	2	E	6	Yes	Yes		
AS91169	of ph	onstrate understa ysics relevant to a red context	-	2	I	3		Yes		
Total num	nber of	credits available	?							26
Prerequ		A pass in Lev	el 1 P	hysics e	xterna	al standard	l or by appli	cation to I	LAL.	
Other D Where c this lead	ould	Expected Tri Year 12 Phys careers in ma Engineering. Fabricator.	ics is i	elds incl	uding	Chemistry	, Medicine,	Veterinar	y Science a	
Vocatio		Construction & Infrastructure		facturing hnology		rimary dustries	Service Industries	Socia Comm Serv	unity	Creative Industries
Pathway	ys	26		26		23	0	2(26
				9	See Mi	Duncan				

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	Course Name:				UE A	Approve	ed	Maria
Level 3	Physics (13PH)	Y)			Sub			Yes
Course Overview	This course offers a This course require and forms an excel for many Science a While 26 credits are individual program	s a reas lent plat nd medi e availal	onabl tform ical de ble, it	e level o for univegrees. is expec	f competen ersity Physi	cy in Year cs which i	12 Matl s a prere	nematics quisite
		Assess	sment	s Offere	d			
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91521	Carry out a practical investigation to test a physics theory relating two variables in a non- linear relationship.	3	I	4				
AS91523	Demonstrate understanding of wave systems.	3	E	4				
AS91524	Demonstrate understanding of mechanical systems.	3	E	6				
AS91525	Demonstrate understanding of Modern Physics.	3	I	3				
AS91526	Demonstrate understanding of electrical systems.	3	E	6				
AS91522	Demonstrate understanding of the application of physics to a selected context	3	I	3				
Total number of	credits available							26
Prerequisites Other Details Where could this lead?	Successful complet Expected Trips Year 13 Physics is u careers in many fie Engineering. It is al	seful, aı Ids inclu	nd oft Iding (en esser Chemisti	ry, Medicine	e, Veterina	ary Scien	ice and
Vocational	Construction & Manuf	acturing nology	Pri	mary Istries	Service Industries	Soci Comm Serv	al & nunity	Creative Industries
Pathways	26 2	26	:	19	0	2	6	0
		Se	e Mr D	ouncan				

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Level	2	Course Nat Sports Stud	_	(12SP	S)						
Course Overview	,	The course de activity and le social respons	arning	skills, a	applyi	ng risk n		-		• • •	
				Ass	sessm	ents Off	ered				
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numerac	L1 sy Literacy	UE Lit Reading		
91330		rm a physical act applied setting.									
91329	unde appli princ	onstrate rstanding of cation of biophys iples to training f cal activity.		2	I	4		Yes			
91328	unde why l relate	onstrate rstanding of how piophysical princ ed to the learning cal skills.	iples	2	I	5		Yes			
91333	Analy risk n strate	vse the application nanagement egies to a challen por activity.		2	I	3		Yes			
91334	Consi socia throu respo	istently demonst I responsibility ugh applying a so onsibility model in cal activity.	cial	2	I	3					
Total num	ber of c	redits available								19	
Prerequis Other Det		Completion of Materials	PE	gear, 1	B5 or	2B5					
Where co this lead?	I Teaching Event Management Physiotherany Personal Training Sports Organisation										
Vocationa		Construction & Infrastructure	Manufae & Techr			mary Istries	Service Industrie	s Soci S Serv	nunity	Creative Industries	
Pathways						3	20	1	2	16	
			ę	See Mrs	Porte	gys or Mi	Pilkinton				

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Level	2	Course Na	me:						
Level	2	Sport and	Fitness	; (12 5	PF)				
Course Overviev	v	across the the strands. Asse camp in Term • Gain phys • Emp • Unde	eory, mo essments a 3. You a strong ical activ hasise th erstand t	tor skill include will" empha ities e acqui he prine	s, attitude a swim/r sis on lear sition and ciples of tr	s and value un, mounta ning throug developme	s and ph in run a gh partic nt on ph	nysical nd an outdo cipation in a nysical skills	
				Asses	ssments O	ffered			
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Numer	UE/L acy Readi	
AS91330		rm a physical ty in an applied g	2	I	4	wannerucy	Numer		ing writing
AS91329	Demo under applio bioph traini activi	nstrate rstanding of cation of iysical principles t ng for physical ty		I	4				Yes
AS91333	of risl strate	se the applicatior < management egies to a enging outdoor ty.	2	I	3				Yes
AS91334	Consi demo respo apply respo	stently instrate social nsibility through ing a social nsibility model in cal activity.	2	I	3				
Total num	ber of o	credits available	?						14
Prerequi	sites								
Other De	tails	Materials Expected Tri	ps						
Where co this lead			I						
Vocation Pathway		Construction & Infrastructure	Manufactu Techno		Primary Industries	Serv Indust	tries	Social & Community Serv 12	ice Creative Industries 8
			S	ee Mrs I	Portegys or	Mr Vette			

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Level	3	Course Na Sport Stud		SPS)					Approv ject	ed	Yes	
Course Overviev	v	This course is on each stan implementin examining th	dard, exar g and eva	mining luating	Safet a trai	y Manag ining pro	ements gramm	s in N ie for	lountain E Tough Gu	Biking,	-	
				Asses	sment	s Offere	d					
Standard Number Title Level Int/ Ex Credits L1 L1 UE Lit UE Lit Numeracy Literacy Reading Writing												
91504	mana	vse issues in saf agement for out ity in an applied	door	3	I	3			Yes			
91502	activi	ty event, trend	e a current physical e event, trend or issue 3 I 4 Yes Yes impact on NZ society									
91500	a per	ate the effectiv formance impro ramme		3	I	4	Yes	5	Yes	Yes		
91501		onstrate quality ormance of phys ity		3	I	4	Yes	5				
		_			•		Total n	numbe	er of credits	s available	20	
Prerequi	sites	Completion	of Level 2	Sports	Studi	es is desi	irable b	out no	ot necessa	ıry.		
		Materials	1B5									
Other De	etails	Expected Tri				15 donat Frip Trip		onati	on			
Where control where control where control where the second		Teaching, Ev Organisation	-	gemen	t, Phy	siothera	py, Per	sonal	Training,	Sports		
Vocation	nal	Construction & Infrastructure	Manufactur Technolo	_		nary stries	Servi Indust			ial & ity Service	Creative Industries	
Pathway	'S						20			2	8	
				See	Mrs P	ortegys						

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Level 2		Course Te Ao			12TEA	A)			UE App Subjec	•	d		
Course Overview		of the Te qualifica	e Ao N tions	Māori . Stuc	(the M lents w	lāori ill be	e designe World), v working en from a	while assi at Level	isting the 2 of NCE	m in ga A. All st	ining the andards a		
Assessme	nts Of	fered											
Standard Number		Title	Level	I	Int/ Ex		Credits	L1 Numerac	L1 Ty Lite	eracy	UE Lit Reading	UE Lit Writing	
US 16054 v3	Maoi	ri Leader	2	2	I		2						
US 16033 v3	Maoi	ri Modes	2	2	I		4						
US16048 v3	Wha Mara		2 1 2										
US 16142 v4	Wha	kaeke	2	2	I		2						
US 20950 v4	Torov	waewae	12	2	I		8						
								То	tal numbe	er of crea	lits availal	ole 18	
Prerequisi	tes	Nil											
		Materia	ls l	Nil									
Other Det	ails	Expected Trips	d .	ТВС									
Where cou	ıld	Teacher	, Polic	ce For	ce, Soc	ial W	/orker, Po	olitician,	Early Chil	dcare,	Governm	ent	
this lead?		Departm	nents,	, Film	Indust	ry	-		·				
Vocationa Pathways	I	Construct	Construction & InfrastructureManufactu ring & Technolog yPrimary IndustriesService IndustriesSocial & Community ServiceCreative Industries										
							18		18		18	18	
						See	Mr Potal	ka					

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Level	3			Course Name: Te Ao Maori (13TEA)UE Approved SubjectYear 13 Te Ao Māori is a course designed to teach students about											
Course Overviev	v		Year 13 Te A different as them in gain Level 2 of N from a cross	pects of ning the CEA. All	the Te ir NCEA standa	Ao Māo A qualifica Irds are U	ri (the Nations. 3 Jnit Sta	∕lāori Stude	i World), ents will l	while as be work	ssisting ing at				
Assessm	ents	Of	fered												
Standard Number			Title	Int/ I1 I1 IIELit LIELit											
US16032	v4	Μ	aori Modes	3	I	6									
US 16139	v4	Ki	ngitanga	3	I	3									
US 2571 v	/9	Μ	ana Whenua	3	I	10									
US 6146 v	/6	Μ	ahinga Kai	3	I	3									
Total num	nber (of c	redits available	1	1	<u> </u>	1				22				
Prerequi	sites	;	Nil								•				
Other De	ataile		Materials	Nil											
Other De	stans	,	Expected Trip	os TBC											
Where c	ould		Teacher, Poli	ce Force	, Social	Worker, F	Politiciar	n, Earl	ly Childca	re, Gove	rnment				
this lead	?		Departments	s, Film Ind	dustry										
Vocation			Construction & Infrastructure	Manufact & Techno		Primary Industries		vice stries	Socia Comm Serv	nunity	Creative Industries				
Pathway	S						2	2	2	2	22				
	See Mr Potaka														

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Level	2		Course Name: Te Reo Maori (12TER)												
Course Overviev	v	Year 12 Te Re year student tūpuna (fame and aspiratic used to set a	learning ous ance ons) and l	contex stral de Manaal	ts will invo eds), ngā kitanga (ca	olve, Powh whainga m Iring for ot	iiri, ngā rāw nō ngā tau k hers). Year	ekeweko a heke r 12 Te R	e ā ngā nai (goals eo will be						
Assessm	ents O	ffered													
Standard Number		Title	Ex Numeracy Literacy Reading Writing												
AS 91284	Whal	karongo													
AS 91285	Kōrei	0	2	I	6		Yes								
AS 91288	Waih Auah	anga Tuhinga a	2	I	6		Yes								
Total num	nber of c	redits available	•						18						
Prerequi	sites	Year 11 Te R	eo Maori	NCEA I	Lv 1										
Other De	ataile	Materials	NI												
other be	cans	Expected Tri	ps TBC												
Where c	ould	Lawyer, Doct	or, Nurs	ing, Tea	icher, Soci	al Work, C	ommunicat	ions, Ac	ting, Police						
this lead	?	Force, Foreig	n Diplon	nat, Pol	itics										
Vocation		Construction & InfrastructureManufacturing & TechnologyPrimary IndustriesService IndustriesSocial & Community ServiceCreative Industries													
Pathway	S				18	18	18	3	18						
	See Mr Potaka or Ms Beazley														

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Level	3	Course Na Te Reo Ma		BTER)			E Approvo ubject	ed	Yes						
Course Overview		Year 13 Te Ro year student Aotearoa. Ye Tertiary Educ	learning ar 13 Te	context	s will vary	y and be ba	ased around	Te Mara	arautanga o						
Assessme	ents Of	fered		-											
Standard Number		Title	Numeracy Literacy Reading Writing												
91650	Whak	arongo	3 1 4 Yes												
91651	Korer	0	3 I 6 Yes												
91652	Panui		3	E	6		Yes	Yes							
91653	Tuhit	uhi	3	E	6		Yes		Yes						
91654	Waiha	anga Tuhinga	3	I	6		Yes		Yes						
Total num	ber of c	redits available	1	I	I	I			28						
Prerequis	sites								•						
Other De	tails	Material Costs	5 Nil												
	tans	Expected Tri	ps TBC												
Where co	ould	Lawyer, Doct	or, Nursi	ing, Tea	cher, Soci	al Work, C	ommunicati	ons, Acti	ng, Police						
this lead	•	Force, Foreig	n Diplom	nat, Poli	tics										
Vocation		Construction & Infrastructure	Community												
Pathways	5				28	28	28	3	28						
			See	Mr Pota	aka or Ms	Beazley									

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Level 2	Course Na Te Ao Haka)		UE Approved Subject				
Course Overview	-	They innovat	te and experir		vity, based on t ing their own r	their grounding in ole and			
Assessments O	ffered		-						
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy			
AS91980	Explore elemer to create a section of a Te Haka item	2	Int	6					
AS91981	Perform a Te A Haka item to respond to a lo kaupapa	2	Int	6					
AS91982	Compare a Te A Haka performance an one other performance		Ext	4					
AS91983	Respond to a To Ao Haka performance	e 2	Int	4					
Total number of	of credits availab	ole							
Prerequisites	10 Te Reo / Ka	apa Haka							
Other Details	Material Cost Expected Trip								
Where could this lead?		-							
Vocational Pathways	Construction & Infrastructure	Manufacturing Technology			Service In	dustries			
r atiiways			See Mr Potak	ka la	*				

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Level	3	Course Name Te Ao Haka (UE Ap Subje	oproved ect
Course Overview		Aakonga at Leve understanding o evaluative and p	f their owr	experience	within Te A	o Haka. This is	
Assessmer	nts Of	fered					
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy
AS91984		Reflect on a personal learning journey in a discipline of Te Ao Haka	3	Int	5		
AS91985		Perform three categories within a discipline of Te Ao Haka	3	Int	5		
AS91986		Perform two Te Ao Haka disciplines	3	Ext	5		
AS91987		Demonstrate understanding of a key role within Te Ao Haka	3	Ext	5		
		f credits available					
Prerequisit	tes	10 Te Reo / Kapa	i Haka				
Other Deta	ails	Material Costs Expected Trips					
Where cou this lead?	ıld						
Vocational Pathways	l	Construction & Mi Infrastructure	anufacturing & Technology	k Primary Industrie		Service In	dustries
			S	ee Mr Potak	a		

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Laval	2	Course Nam	e:									
Level	2	12 Technolo	gy Meta	al (12	2DTM)							
Course Overview		Recreational Pu Students need to the products new apparatus for th developed to a c further develope against the brief	o identify eded to pa eir or ano conceptua ed to a on	articip ther p Il mod e-off s	ate in the erson's e el, tested olution a	e activity and njoyment. T and evalua	d further o The device ted agains	develop th will be ir st their br	ne iitially ief, then			
			Asse	ssmer	nts Offere	ed						
Standard Number		Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing			
91344	proce resist make	ement advanced edures using ant materials to a specified product special features	ent advanced res using t materials to 2 I 6 specified product									
91357	devel	rtake effective opment to make rial a prototype	2	I	6							
91354	Unde	rtake brief opment to address	2	I	4							
91356		ceptual design for tcome	2	I	6							
Total num	ber of c	redits available							24			
Prerequis Other Det		Pass Year 11 Teo Material Costs Expected Trips										
Where co this lead?		Level 3, Polytech			Universit	y – engineei						
Vocationa	al		anufacturing Technology		rimary dustries	Service Industries	Social Community		Creative Industries			
Pathways		20	20		14	4			20			
	See Mr Pretorius or Mr Irle											

Level	3	Course Nar Technology		-	13DT	·M)			Approvo ject	ed	Yes	
Course Overview		Client Driven. Students are r conceptual ide then required be implement	equ ea ir to f	ired to d materi urther d	develo als anc levelor	p a client l evaluati o their co	ng it a ncept	n activ Igains ual ide	vity by mo t their brid ea to a pro	ef. Stud	ents a	
				Asse	ssmer	nts Offere	ed					
Standard Number		Title		Level	Int/ Ex	Credits		.1 eracy	L1 Literacy	UE Lit Readin		UE Lit Vriting
AS 91608	devel an iss	rtake brief opment to addre ue within a mined context	oment to address 3 I 4									
AS 91611	consi	op a prototype dering fitness for ose in the broade		3	I	6						
AS 91620	proce parts mate	ment complex dures to integrat using resistant rials to make a fied product	e	3	I	6						
Total num		redits available				•	•		•			20
Prerequis Other Det Where co this lead?	ails uld	Pass Year 12 Technology is recommended. Material Costs Subject to project design. Expected Trips Nil University – engineering degree, masters, PhD.										
Vocationa	al	Construction & Infrastructure		ufacturing echnology		rimary dustries	Serv Indus		Socia Community			ative Istries
Pathways		20		20		14	4	L .			1	12
				See Mi	r Preto	rius or Mr	Irle					

Level	2	Course Na	me:						Appro	ved	No
	-	12 Techno	logy V	Nood	1) 1	L2DTW)	Sub	ject		
Course Overview		Students will industry trair knowledge o workshops.	ning org	anisat	ion ((BCITO).	They w	ill lear	n and d	emonstrate	9
				Asse	ssm	ents Offe	ered				
Standard Number		Title	Level	Int/ Ex	ĸ	Credits	L1 Nume		L1 Literac	UE Lit y Readin	
12927	ma use for	entify, select, aintain and e hand tools • BCATS ojects	2	I		6					
12932	gai an ba coi eq	nstruct timber rden furniture d items of sic nstruction uipment as a ATS project	2	I		8					
24354	Sat Leg ap wc pra BC	IO Health and fety gislation and ply safe orking actices in a ATS vironment	2	I		4					
31812		mplete a ATS project	2	1		6					
				1			Tota	al numl	ber of cr	edits availab	<i>le</i> 19
Prerequisit	es	Year 11 Tech	nology i	is an a	dvar	ntage. An	interes	st in w	orking v	vith wood i	s essential
		Material Costs	-		onsu	imables p	lus cos	t of m	aterials	for take ho	ome
Other Deta	ils	Expected Trips	projec Nil	t							
Where cou this lead?	ld	Level 2 and 3			hip,	Polytech	– NZ di	ploma	1		
Vocational Pathways		Construction & Infrastructure	Manufa g 8 Techno	k i	Prin	nary Industri	es	Service Idustries	c	Social & ommunity Service	Creative Industries
					See	e Mr Irle					
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Level	3		Course Na 13 Techno	-	Nood	d (1	3DTW)		UE A Subj	pprove ect	d	No		
Course Overview	w		Students will industry train knowledge o schools work	ning org f tools a	anisat	ion (BCITO).	They wi	ll learn	and dem	onstrate			
					Asse	essm	ents Offe	red						
Standard Number			Title	Level	Int/ E	x	Credits	L1 Nume		L1 Literacy	UE Lit Reading	UE Lit Writing		
29679	Develop and use BCATS project documentation 3 I 8 for a Stage 3 BCATS project													
29684		Sta	dertake a ge 3 BCATS nject	3	Ι		12							
								Tota	ıl numbe	er of credit	s availabl	e 20		
Prerequ	isite	s	Year 12 techr essential	nology i	s an a	dvan	itage. An	interest	t in woi	king with	i wood/m	netal is		
Other D			Material Costs	\$40:00 projec		onsı	imables p	lus cos	t of ma	terials for	take hor	ne		
Other Do	etali	S	Expected Trips	Nil										
Where of this lead		k	Trades, Appr	Trades, Apprenticeship, Polytech – NZ diploma										
Vocation Pathway			Construction & Infrastructure	Manufa g 8 Techno	L I	Prim	nary Industri	es	Service dustries	Comr	ial & nunity vice	Creative Industries		
ratiiway	3													
						See	e Mr Irle							

Level	2	Course N Tourism									
Course Overview	V	Level Two T what Touris over time a popular tou examine dif	sm is ar nd how irist de:	nd how it / it impac stinations	operat ts on p and fa	es. It sp eople ar amous at	ecifically loo d the enviro tractions ar	oks at how onment.	/ it has de Students (eveloped explore	
				Asses	ssment	ts Offere	d				
Standard Number		Title		Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
US24729		Norld Tourist Destinations		2	I	4					
US24727		mpacts on the Physical 2 I 3									
US24728	١	Work Roles in Tc	ourism	2	I	3					
US24731	(Destination New	Zealan	d 2	I	4					
US24726		Social and Cultur mpacts	al	2	I	3					
US24732	-	ourist Characte	ristics	2	I	3					
Total num	ber	of credits availa	ıble							20	
Prerequis	site	s N/A								•	
Other De	tail	Materials		As per st							
Where co this lead?		Image: Second									
Vocation Pathways		Construction & Infrastructure		acturing & nology		imary ustries	Service Industries	Com	cial & munity rvice	Creative Industries	
			S	ee Ms Osb	orne o	r Miss Ch	ambers				

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Course Courism (13TOU) Subject Course Course Level Three Tourism takes students on a journey through the industry and analyses what Tourism is and how it operates. Students explore popular tourist destinations around the world, with a focus on The Pacific Islands and Australia, and the natural and cultural attractions and activities promoted within New Zealand. As the leading export earner in New Zealand, Tourism offers a wealth of career possibilities. Standard Title Level Int/ Ex Credits L1 Numeracy UE Lit Reading Witting US3727 Demonstrate Knowledge of Pacific Islands as a Tourist Destination 3 1 5 5 6 7 6 6 6 7 6 6 7	Level 3		Course Name:						UE Approved		No
analyses what Tourism is and how it operates. Students explore popular tourist destinations around the world, with a focus on The Pacific Islands and Australia, and the natural and cultural attractions and activities promoted within New Zealand. As the leading export earner in New Zealand, Tourism offers a wealth of career possibilities.Standard NumberUE Lit Imt/ Exercise VCreditsLit NumeracyUE Lit WeitingVerviewStandard 			Tourism (13TOU) Subject								
Standard Number Title Level Int/ Ex Credits L1 Numeracy L1 Literacy Meading UE Lit Writing US3727 Demonstrate Knowledge of Pacific Islands as a Tourist Destination 3 1 5 1 0 1 0			analyses what Tourism is and how it operates. Students explore popular tourist destinations around the world, with a focus on The Pacific Islands and Australia, and the natural and cultural attractions and activities promoted within New Zealand. As the leading export earner in New Zealand, Tourism offers a wealth of								
NumberTitleLevelExCreditsNumeracyLiteracyReadingWritingUS3727Demonstrate Knowledge of Pacific Islands as a Tourist Destination31566<	Assessments Offered										
US3727 Pacific Islands as a Tourist Destination 3 I 5 Image: Second Sec			Title				Credits				
US378 international visitors 3 1 3 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 1 1 1 5 1 1 1 5 1	US3727	Pacifi	Pacific Islands as a Tourist			Ι	5				
US17788 history of natural attractions and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 4 and significant sites in Maori tourism 3 1 4 and significant sites in Maori tourism 3 1 4 and significant sites in Maori tourism 3 1 4 and significant sites in Maori tourism 3 1 4 and significant sites in Maori tourism 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 5 and significant sites in Maori tourism 3 1 5 and significant sites in Maori tourism 3	US378	-				I	3				
Describe and Analyse the Economic Significance of Tourism 3 I 4 4 4 US24725 Economic Significance of Tourism 3 I 4 <td< td=""><td>US17788</td><td>histor and s</td><td colspan="2">y of natural attractions ignificant sites in Maori</td><td>3</td><td>I</td><td>5</td><td></td><td></td><td></td><td></td></td<>	US17788	histor and s	y of natural attractions ignificant sites in Maori		3	I	5				
US18211 Australia as a Tourist Destination 3 I 5 I 5 I 22 Prerequisites N/A Image: Second Secon	US24725	Descr Econo	Economic Significance of			I	4				
Prerequisites N/A Other Details Materials As per stationery list. Expected Trips Possibility of trip to Rotorua or Waitomo Caves. Where could this lead? Polytechnic courses, life and employment skills, a career in the tourism industry. Construction & Manufacturing Primary Service Social & Creative	US18211	Austr	Australia as a Tourist			Ι	5				
Other Details Materials As per stationery list. Expected Trips Possibility of trip to Rotorua or Waitomo Caves. Where could this lead? Polytechnic courses, life and employment skills, a career in the tourism industry. Construction & Manufacturing Primary Service Social & Creative	Total number of credits available 22										
Other Details Expected Trips Possibility of trip to Rotorua or Waitomo Caves. Where could this lead? Polytechnic courses, life and employment skills, a career in the tourism industry. Construction & Manufacturing Primary Service Social & Creative	Prerequi	isites									
Where could this lead? Polytechnic courses, life and employment skills, a career in the tourism industry. Construction & Manufacturing Primary Service Social & Creative	Other Details		1								
										n industry.	
Dethurson		-			Ŭ l			Industrie			
See Ms Osborne	rauliwdy										

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