	Ngā Marautanga							
	<u>Hangarau</u>	<u>Hauora</u>	<u>Ngā Toi</u>	<u>Pāngarau</u>	<u>Pūtaiao</u>	Te Reo Rangatira	<u>Tikanga-ā-lwi</u>	
			1	1		1		
<u>Te Marautanga o</u> <u>Aotearoa</u>	AS91836	AS91811	AS	AS91573	AS91818	AS91803	AS91826	
	3.1 Te tātari i te whai whakaarotanga ki ngā mātāpono Māori i roto i ngā mahi hangarau	3.1 Te āta tātari i te hiranga o te kai taketake ki te oranga o ngā iwi taketake	 Ngā Mahi a Te Rēhia 3.1 Te tātari i ngā tikanga toi taketake o ngā mahi a te rēhia 	3.1 Te whakamahi i ngā tikanga āhuahanga o te motunga koeko	3.1 Te arotake ki tā te Māori titiro i ngā huatau matua o te ariā kukuwhatanga hei puna ira tangata	3.1 Te tătaritari i te korero ohorere hei whakaputa i te korero tene	3.1 Te tātari i te ahurea rōpū tangata	
	Whiwhinga 5	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3	Whiwhinga 5	
	AS91837	AS91812	AS	AS91574	AS91819	AS91804	AS91827	
	3.2 Te tātari i ngā whakataunga matatika e hāngai ana ki ngā mahi hangarau	3.2 Te arotake rautaki e tutuki pai ai ngā hiahia ahurea o te iwi i roto i ngā mahi koiri	3.2 Te tātari i te panonitanga o ngā huānga toi rēhia	3.2 Te whakamahi tikanga mõ te kauwhata whārite rārangi hei whakaoti rapanga	3.2 Te arotake ki tā te Māori titiro i te raweke ira	3.2 Te tātaritari i te ahunga o te reo	3.2 Te tātari i tētahi rautaki whakapūmau ahurea a tētahi iv taketake	
	Whiwhinga 5	Whiwhinga 5	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3	Whiwhinga 5	
	AS91838	AS91813	AS	AS91575	AS91820	AS91805	AS91828	
	3.3 Te tātari i te whakamahi i ngā mātāpono Māori i roto i ngā mahi hangarau	3.3 Te whakarite i tētahi kaupapa tiaki taiao i runga anō i tā te Māori titiro	3.3 Te kõtuitui i ngã āhuatanga toi taketake o ngã mahi a te rēhia hei waihanga mahi toi motuhake	3.3 Te whakamahi tikanga pākoki hei whakaoti rapanga	3.3 Te tātari i ngā taukumekume mõ te whakamahi i ngā rawa o Papatūānuku	3.3 Te whakatairite i ngā putanga pūrākau	3.3 Te tātari i ngā take e pā ana ki ngā whenua Māori	
	Whiwhinga 5	Whiwhinga 3	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 6	
		AS91814	AS	AS91576	AS91821	AS91806	AS91829	
		3.4 Te tūhura i ngā rongoā taiao hei whakaora i te tangata	3.4 Te tātari I te whakaputanga mai o ngā āhuatanga ao wairua, ao kikokiko i roto i ngā mahi a te rehia	3.4 Te whakamahi tikanga kimi ara tino whaitake hei whakaoti rapanga	3.4 Te tātari i ngā matatika e pā ana ki te mahi a te tangata i te ātea	3.4 Te tūhura i ngā tuhinga raupeka	3.4 Te tātari i ngā pāpātanga o tētahi take ohaoha ki te iwi Māori	
		Whiwhinga 3	Whiwhinga 4	Whiwhinga 2	Whiwhinga 4	Whiwhinga 4	Whiwhinga 5	
		AS91815	AS	AS91577		AS91807	AS91830	
		3.5 Te āta tātari i ngā āhuatanga o te taukumekume hei para huarahi e pai ake ai ngā hononga tāngata	3.5 Te whakaatu māramatanga ki ngā kaupapa here o te ao toi whānui i roto i ngā mahi a te rēhia	3.5 Te whakamahi tikanga taurangi o ngā tau hiato hei whakaoti rapanga		3.5 Te whakarite i te whaikōrero rangatira	3.5 Te tātari i ngā pāpātanga o tētahi tūāhua o mua ki te iwi taketake	
		Whiwhinga 5	Whiwhinga 4	Whiwhinga 5		Whiwhinga 5	Whiwhinga 5	
		AS91816	AS	AS91578		AS91808	AS91831	
		3.6 Te āta tātari i te pānga mai o te tuakiri ki te oranga tangata	 Toi Ataata 3.1 Te tātari i ngā tikanga toi taketake o ngā toi ataata 	3.6 Te whakamahi tikanga kimi pārōnaki hei whakaoti rapanga		3.6 Te whakaoti tuhinga	3.6 Te tātari i ngā pāpātanga o tētahi take taiao ki te iwi taketake	
		Whiwhinga 4	Whiwhinga 4	Whiwhinga 6		Whiwhinga 3	Whiwhinga 5	
			AS	AS91579		AS91809	AS91832	
			3.2 Te tātari i te panonitanga o ngā huānga toi ataata	3.7 Te whakamahi tikanga kimi pāwhaitua hei whakaoti rapanga		3.7 Te tito i te upoko pukapuka	3.7 Te tātari i te whakaawenga a te ahurea Māori i te tuakiri o Aotearoa	
			Whiwhinga 4	Whiwhinga 6		Whiwhinga 6	Whiwhinga 6	
			AS	AS91580		AS91810	AS91833	
			3.3 Te kõtuitui i ngā āhuatanga toi taketake o ngā toi ataata hei waihanga mahi toi motuhake	3.8 Te tūhura i te raraunga houanga		3.8 Te tūhura i te reo takitaki	3.8 Te tātari i te panonitanga o nga tikanga Māori	
			Whiwhinga 4	Whiwhinga 4		Whiwhinga 4	Whiwhinga 5	



			Ngā Marautanga				
<u>Hangarau</u>	<u>Hauora</u>	<u>Ngā Toi</u>	<u>Pāngarau</u>	<u>Pūtaiao</u>	<u>Te Reo Rangatira</u>	<u>Tikanga-ā-lwi</u>	
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		AS	AS91581		AS91817	AS91834	
		3.4 Te tātari I te whakaputanga mai o ngā āhuatanga ao wairua, ao kikokiko i roto i ngā toi ataata	3.9 Te tūhura i ngā taurangi matarua		3.9 Te whakarite i te rautaki whakawhanake reo	3.9 Te tātari i ngā pāpātanga o te tāmitanga ki te iwi taketake	
		Whiwhinga 4	Whiwhinga 4		Whiwhinga 4	Whiwhinga 5	
		AS	AS91582			AS91835	
		3.5 Te whakaatu māramatanga ki ngā kaupapa here o te ao toi whānui i roto i ngā toi ataata	3.10 Te whakamahi tikanga tūhuratanga tauanga hei whakaputa hīkaro ōkawa			3.10 Te tātari i tētahi kawenga pāpori i whakatairangatia ai ngā motika iwi taketake	
		Whiwhinga 4	Whiwhinga 4			Whiwhinga 5	
		AS	AS91583				
		 Toi Puoro 3.1 Te tātari i ngā tikanga toi taketake o ngā toi puoro 	3.11 Te whakahaere whakamātau tauanga hei tūhura āhuatanga mā te whakamahi tikanga e whai wāhi ai ngā haukume				
		Whiwhinga 4	Whiwhinga 4				
		AS	AS91584				
		3.2 Te tātari i te panonitanga o ngā huānga toi puoro	3.12 Te arotake i te pūrongo tauanga hei tātari i te whaihua o ngā whakapae				
		Whiwhinga 4	Whiwhinga 4				
		AS 3.3 Te kõtuitui i ngā āhuatanga toi taketake o ngā toi puoro hei waihanga mahi toi motuhake	AS91585 3.13 Te whakamahi huatau tūponotanga hei whakaoti rapanga				
		Whiwhinga 4	Whiwhinga 4				
		AS 3.4 Te tātari i te pānga me te awenga o te taiao ki ngā toi puoro	AS91586 3.14 Te whakamahi tuari tūponotanga hei whakaoti rapanga Whiwhinga 4				
		Whiwhinga AS	AS91587				
		3.5 Te whakaatu māramatanga ki ngā kaupapa here o te ao toi whānui i roto i ngā toi puoro	3.15 Te whakamahi whārite tukutahi mō ngā taurangi e toru hei whakaoti rapanga				
		Whiwhinga 4	Whiwhinga 3				



	Ngā Marautanga						
	<u>Hangarau</u>	<u>Hauora</u>	<u>Ngā Toi</u>	<u>Pāngarau</u>	<u>Pūtaiao</u>	<u>Te Reo Rangatira</u>	<u>Tikanga-ā-lwi</u>
<u>New Zealand</u> <u>Curriculum</u>	 <u>Construction & Mechanical</u> <u>Technologies:</u> 3.20 Implement complex procedures to integrate parts using resistant materials to make a specified product 3.21 Implement complex procedures using textile materials to make a specified product 3.22 Implement complex procedures to make a specified product using a Computer Numerical Controlled (CNC) machine 3.23 Implement complex procedures to create an applied design for a specified product 3.24 Demonstrate understanding of a structural system 3.25 Demonstrate understanding of a complex machine 3.26 Draft a pattern to interpret a design for a garment <u>Design and Visual</u> <u>Communication:</u> 3.30 Initiate design ideas through exploration 3.31 Develop a visual presentation that exhibits a design outcome to an audience 3.32 Resolve a spatial design through graphics practice 3.33 Resolve a product design through graphics practice 	 Health: 3.1 Analyse a New Zealand health issue 3.2 Analyse an international health issue 3.3 Evaluate health practices currently used in New Zealand 3.4 Analyse a contemporary ethical issue in relation to well-being 3.5 Evaluate models for health promotion Home Economics: 3.1 Investigate a nutritional issue affecting the well-being of New Zealand society 3.2 Implement an action plan to address a nutritional issue affecting the well-being of New Zealand society 3.3 Analyse a food related ethical dilemma for New Zealand society 3.4 Investigate the influence of multinational food corporations on eating patterns in New Zealand 3.5 Evaluate conflicting nutritional information relevant to wellbeing in New Zealand society 3.6 Analyse the influences of food advertising on well-being 	 Dance: 3.1 Produce a dance to realise a concept 3.2 Choreograph a dance to develop and resolve ideas 3.3 Perform a solo or duet dance 3.4 Perform a group dance 3.5 Perform a repertoire of contrasting dances 3.6 Demonstrate understanding of dance performance practices 3.7 Analyse a dance performance 3.8 Demonstrate understanding of the development of dance in Aotearoa/New Zealand Drama: 3.1 Interpret scripted text to integrate drama techniques in performance 3.2 Devise and perform a drama to realise a concept 3.3 Interpret a text from a prescribed playwright to demonstrate knowledge of a theatre form or period 3.4 Select and use complex performance skills associated with a drama form or period 3.5 Demonstrate understanding of the work of a drama or theatre theorist or practitioner 	 Mathematics and Statistics: 3.1 Apply the geometry of conic sections in solving problems 3.2 Apply linear programming methods in solving problems 3.3 Apply trigonometric methods in solving problems 3.4 Use critical path analysis in solving problems 3.5 Apply the algebra of complex numbers in solving problems 3.6 Apply differentiation methods in solving problems 3.7 Apply integration methods in solving problems 3.8 Investigate time series data 3.9 Investigate bivariate measurement data 3.10 Use statistical methods to make a formal inference 3.11 Conduct an experiment to investigate a situation using experimental design principles 3.12 Evaluate statistically based reports 3.13 Apply probability concepts in solving problems 3.14 Apply probability distributions in solving problems 3.15 Apply systems of simultaneous equations in solving problems 	 Biology: 3.1 Carry out a practical investigation in a biological context, with guidance 3.2 Integrate biological knowledge to develop an informed response to a socio-scientific issue 3.3 Demonstrate understanding of the responses of plants and animals to their external environment 3.4 Demonstrate understanding of how an animal maintains a stable internal environment 3.5 Demonstrate understanding of evolutionary processes leading to speciation 3.6 Demonstrate understanding of trends in human evolution 3.7 Demonstrate understanding of human manipulations of genetic transfer and its biological implications Chemistry: 3.1 Carry out an investigation in chemistry involving quantitative analysis 3.2 Demonstrate understanding of spectroscopic data in chemistry 3.3 Demonstrate understanding of chemical processes in the world around us 		 Business Studies: 3.2 Demonstrate understanding of strategic response to external factors by a business that operates in a global context. 3.4 Develop a marketing plan for a new or existing product. 3.6 Carry out, with consultation, an innovative and sustainable business activity Economics: 3.1 Demonstrate understanding of the efficiency of market equilibrium 3.2 Demonstrate understanding of the efficiency of different market structures using marginal analysis 3.3 Demonstrate understanding of micro-economic concepts 3.4 Demonstrate understanding of government interventions to correct market failures 3.5 Demonstrate understanding of macro-economic influences on the New Zealand economy History: 3.1 Research an historical event or place of significance to New Zealanders, using primary and secondary sources 3.2 Analyse an historical event, or

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Rangatira		<u>Tikanga-ā-lwi</u>
		place, of significance to New Zealanders
	3.3	Analyse evidence relating to an historical event of significance to New Zealanders
	3.4	Analyse different perspectives of a contested event of significance to New Zealanders
	3.5	Analyse the causes and consequences of a significant historical event
	3.6	Analyse a significant historical trend and the force(s) that influenced it
	<u>Geo</u>	ography:
	3.1	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment
	3.2	Demonstrate understanding of how a cultural process shapes geographic environment(s)
	3.3	Analyse a significant contemporary event from a geographic perspective
	3.4	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills
	3.5	Conduct geographic research with consultation
	3.6	Analyse aspects of a contemporary geographic issue
	3.7	Analyse aspects of a geographic topic at a global scale
	3.8	Apply spatial analysis, with consultation, to solve a geographic problem
	Med	lia Studies:
	<u>3.1</u>	Demonstrate understanding of an aspect of a media industry
	3.2	Demonstrate understanding of the meaning of a media text through different readings
	3.3	Demonstrate understanding of the media representation of an aspect of New Zealand culture or society
	3.4	Demonstrate understanding of a relationship between a media genre and society

			Ngā Marautanga				
<u>Hangarau</u>	<u>Hauora</u>	<u>Ngā Toi</u>	<u>Pāngarau</u>	<u>Pūtaiao</u>	<u>Te</u>		
3.43 Implement complex procedures		appropriate to sculpture		sustainable future			
to produce a specified digital media outcome		3.3 Systematically clarify ideas using drawing informed by		3.2 Evaluate measures that may be taken to sustain and/or improve			
		established design practice		a biophysical environment			
3.44 Demonstrate understanding of areas of computer science		3.3 Systematically clarify ideas		3.3 Analyse how different			
3.46 Develop a complex computer		using drawing informed by		worldviews, and the values and			
program for a specified task		established painting practice		practices associated with them, impact on sustainability			
3.47 Demonstrate understanding of		3.3 Systematically clarify ideas using drawing informed by		3.4 Analyse the impact that policies			
complex concepts used in the design and construction of		established photography		have on a sustainable future			
electronic environments		practice		3.5 Develop a strategy for an			
3.48 Implement complex interfacing		3.3 Systematically clarify ideas		organisation that will contribute			
procedures in a specified		using drawing informed by established printmaking practice		to a sustainable future			
electronic environment		3.3 Systematically clarify ideas					
3.49 Implement complex techniques		using drawing informed by					
in constructing a specified complex electronic and		established sculpture practice					
embedded system		3.4 Produce a systematic body of work that integrates conventions					
3.50 Demonstrate understanding of		and regenerates ideas within					
wide area network technologies		design practice					
3.51 Implement procedures for administering a wide area		3.4 Produce a systematic body of					
network		work that integrates conventions and regenerates ideas within					
		painting practice					
Processing Technologies:		3.4 Produce a systematic body of					
3.60 Implement complex procedures		work that integrates conventions and regenerates ideas within					
to process a specified product		photography practice					
3.62 Demonstrate understanding of		3.4 Produce a systematic body of					
combined preservation		work that integrates conventions					
mechanisms used to maintain product integrity		and regenerates ideas within printmaking practice		*			
		3.4 Produce a systematic body of					
Business Studies:		work that integrates conventions					
3.2 Demonstrate understanding of		and regenerates ideas within sculpture practice					
strategic response to external		3.5 Produce a resolved work that					
factors by a business that operates in a global context		demonstrates purposeful control					
		of skills appropriate to a visual arts cultural context					
3.4 Develop a marketing plan for a new or existing product.							
3.6 Carry out, with consultation, an		Art History					
innovative and sustainable		Art History:					
business activity		3.1 Demonstrate understanding of style in art works					
		3.2 Examine how meanings are					
		communicated through art					
		works					
		3.3 Examine the relationship(s) between art and context					
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		3.4 Examine the impact of media and processes on art works					
		3.7 Examine the relationship(s)					
		between a theory and art works					

Rangatira		<u>Tikanga-ā-lwi</u>
	3.5	Produce a design for a media product that meets the requirements of a brief
	3.6	Produce a media product to meet the requirements of a brief
	3.7	Demonstrate understanding of a significant development in the media
	3.8	Write a media text to meet the requirements of a brief
	<u>Soc</u>	ial Studies:
	3.1	Demonstrate understanding of ideological responses to an issue
	3.2	Conduct a critical social inquiry
	3.3	Demonstrate understanding of how ideologies shape society
	3.4	Examine personal involvement in a social action(s) that aims to influence policy change(s)
	3.5	Examine a campaign of social action(s) to influence policy change(s)
	<u>Edu</u>	cation for Sustainability:
	3.1	Evaluate a personal action that contributes towards a sustainable future
	3.2	Evaluate measures that may be taken to sustain and/or improve a biophysical environment
	3.3	Analyse how different worldviews, and the values and practices associated with them, impact on sustainability
	3.4	Analyse the impact that policies have on a sustainable future
	3.5	Develop a strategy for an organisation that will contribute to a sustainable future
	<u>R</u> eli	gious studies:
	3.1	
	3.2	Analyse a religious tradition(s) in Aotearoa New Zealand
	3.3	Analyse the response of a religious tradition to a contemporary ethical issue
	3.4	Analyse the key beliefs of a religious tradition and a secular



			Ngā Marautanga		
<u>Hangarau</u>	<u>Hauora</u>	<u>Ngā Toi</u>	<u>Pāngarau</u>	<u>Pūtaiao</u>	<u>Te Reo R</u>

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<u>Rangatira</u>	<u>Tikanga-ā-lwi</u>
	world view in relation to ultimate questions