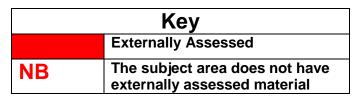
Key				
	Externally Assessed			
NB	The subject area does not have externally assessed material			

				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>
Te Marautanga o Aotearoa	AS91714  1.1 Te whakaputa tauāki mai i te mātauranga Māori kia puta ai he hua hangarau o ēnei rā.	AS91684  1.1 Te whakamārama i te whakatau kōwhiringa hei oranga mō te tangata.	AS91690  Ngā Mahi a Te Rēhia  1.1 Te tūhura i ngā pūkenga toi taketake o ngā mahi a te rēhia.	AS91026  1.1 Te whakamahi whakaaro tau whaitake hei whakaoti rapanga.	AS91719  1.1 Te whakatairite i ngā āhuatanga o tētahi kaupapa pūtaiao mai i te tirohanga o mātauranga Māori me mātauranga Pākehā.	AS91657  1.1 Te whakapuaki whakaaro hei kõrero whakamõhio.	AS91726  1.1 Te whakaatu māramatanga ki tā te Māori pāhekoheko ki te ao tūroa.
	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 3	Whiwhinga 3	Whiwhinga 4
	AS91715	AS91685	AS91691	AS91027	AS91720	AS91658	AS91727
	1.2 Te whakamahere i te putanga o tëtahi hua hangarau mai i te matauranga Maori hei whakaea i tëtahi tauaki.	<b>1.2</b> Te whakaatu i ngā tikanga tuku iho o te kai taketake.	1.2 Te tūhura i ngā huānga toi o ngā mahi a te rēhia.	Te whakamahi tikanga taurangi hei whakaoti rapanga.	<b>1.2</b> Te whakaatu māramatanga ki ētahi āhuatanga o te rauropi.	1.2 Te whakapuaki whakaaro hei kõrero auaha.	1.2 Te whakapuaki whakaaro mō tētahi wāhi tapu ki te Māori.
	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4
	AS91716	AS91686	AS91692	AS91028	AS91721	AS91659	AS91728
	<ol> <li>Te whakaputa i tētahi ariā hoahoa mai i te mātauranga Māori hei whakaea i tētahi tauāki.</li> </ol>	1.3 Te whakamārama i te pānga mai o ngā take kai ki te oranga o te tangata.	Te whakaatu māramatanga ki ngā tukanga toi taketake o ngā mahi a te rēhia.	Te tūhura i ngā hononga o te tūtohi, te whārite me te kauwhata.	Te tūhura i ētahi āhuatanga o tētahi pūnaha-hauropi i Aotearoa.	1.3 Te whakapuaki whakaaro hei tuhinga whakamōhio.	Te whakaatu māramatanga mō ngā tirohanga kē ki tētahi take o te wā.
	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3
	AS91717	AS91687	AS91693	AS91029	AS91722	AS91660	AS91729
	1.4 Te whakaputa i tētahi hua hangarau mai i te mātauranga Māori hei whakaea i tētahi tauāki.	1.4 Te whakaahua i te pānga o te whakamahi hangarau ki te hauora o te tangata.	Te whakaoti mahi toi e     whakatakoto ana i tētahi     māramatanga i roto i ngā mahi     a te rēhia.	1.4 Te whakamahi tikanga taurangi rārangi hei whakaoti rapanga.	1.4 Te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Papatūānuku.	1.4 Te whakapuaki whakaaro hei tuhinga auaha.	1.4 Te whakapuaki whakaaro mō ngā hanganga pāpori Māori o mua.
	Whiwhinga 4	Whiwhinga 4	Whiwhinga 6	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4
	AS91718	AS91688	AS91694	AS91030	AS91723	AS91661	AS91730
	1.5 Te whakamahi rawa, tukanga rānei mai i te mātauranga Māori hei hanga i tētahi hua hangarau mō te ao hurihuri nei.	1.5 Te whakaatu māramatanga ki te ao kori mā te whai wāhi atu.	1.5 Te whakamahi hangarau matihiko hei whakawhanake whakaaro toi i roto i ngā mahi a te rēhia.	1.5 Te whakamahi tikanga ine hei whakaoti rapanga.	1.5 Te whakaatu māramatanga ki ētahi āhuatanga e pā ana ki a Ranginui.	<b>1.5</b> Te whakatau kaupapa hei kōrero.	1.5 Te whakaatu māramatanga ki ngā take tuakiri tangata.
	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4	Whiwhinga 3	Whiwhinga 4
		AS91689	AS91695	AS91031		AS91662	AS91731
		1.6 Te whakamārama i te pānga mai o tētahi kaupapa tiaki taiao o te wā ki te hauora o te tangata.	1.6 Te tautohu i ngā āhuatanga matua o tētahi toi taketake i roto i ngā mahi a te rēhia.	1.6 Te whakamahi whakaaro ahuahanga hei whakaoti rapanga.		1.6 Te whakatau kaupapa hei tuhinga.	1.6 Te whakapuaki whakaaro mō ngā tikanga, te kawa rānei, i tētahi ritenga Māori o mua.
		Whiwhinga 4	Whiwhinga 4	Whiwhinga 4		Whiwhinga 3	Whiwhinga 4
			AS91696	AS91032		AS91663	AS91732
			Te whakaatu māramatanga ki te whakapapa o tētahi toi taketake i roto i ngā mahi a te rēhia.	Te whakamahi tikanga tapatoru hāngai hei whakaoti rapanga ine.		1.7 Te tātari i te reo kōrero.	Te whakaatu māramatanga ki tā te Māori tikanga mō te pupuri me te tuku mātauranga.
			Whiwhinga 4	Whiwhinga 3		Whiwhinga 3	Whiwhinga 5
			AS91697	AS91033		AS91664	
			1.8 Te whakamahi i te reo toi o ngā mahi a te rēhia.	Te whakamahi     whakaahuahanga āhuahanga     hei whakaoti rapanga.		1.8 Te tătari i te reo tuhituhi hou.	
			Whiwhinga 4	Whiwhinga 3		Whiwhinga 3	



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		AS91706  Toi Ataata  1.1 Te tühura i ngā pūkenga toi taketake o ngā toi ataata.	AS91034  1.9 Te whakamahi āhuahanga panoni hei whakaoti rapanga.		AS91665  1.9 Te tātari i te reo tuhituhi tawhito.	
		Whiwhinga 4  AS91707	Whiwhinga 2 AS91035		Whiwhinga 4 AS91666	
		1.2 Te tūhura i ngā huānga toi o ngā toi ataata.	Te whakamahi i ngā tikanga tūhuratanga tauanga hei tūhura i tētahi huinga raraunga matatini.		<b>1.10</b> Te whakamahi rautaki rangahau.	
		Whiwhinga 4	Whiwhinga 4		Whiwhinga 3	
		AS91708	AS91036		AS91667	
		Te whakaatu māramatanga ki ngā tukanga toi taketake o ngā toi ataata.	1.11 Te whakamahi i ngā tikanga     tūhuratanga tauanga hei tūhura     raraunga tau matarua.		1.11 Te whakaatu i ngā putanga rangahau.	
		Whiwhinga 4	Whiwhinga 3		Whiwhinga 4	
		AS91709	AS91037		AS91668	
		Te whakaoti mahi toi e     whakatakoto ana i tētahi     māramatanga i roto i ngā toi     ataata.	1.12 Te whakaatu māramatanga ki te tūponotanga me te raraunga.		1.12 Te urupare atu ki ngā tuhinga reo Māori.	
		Whiwhinga 6	Whiwhinga 4		Whiwhinga 4	
		AS91710	AS91038			
		Te whakamahi hangarau matihiko hei whakawhanake whakaaro toi i roto i ngā toi ataata.	1.13 Te tūhura pūāhua tūponotanga.			
		Whiwhinga 4	Whiwhinga 3			
		AS91711	AS91655			
		Te tautohu i ngā āhuatanga matua o tētahi toi taketake i roto i ngā toi ataata.	1.14 Te whakaoti rangahau pāngarau.			
		Whiwhinga 4	Whiwhinga 3			
		AS91712	AS91656			
		1.7 Te whakaatu māramatanga ki te whakapapa o tētahi toi taketake i roto i ngā toi ataata.	<b>1.15</b> Te whakaatu mõhiotanga ki te reo matatini o te pāngarau.			
		Whiwhinga 4	Whiwhinga 3			
		AS91713				
		1.8 Te whakamahi i te reo toi o ngā toi ataata.				
		Whiwhinga 4				
		AS91698				
		Toi Puoro  1.1 Te tühura i ngā pūkenga toi taketake o ngā toi puoro.				
		Whiwhinga 4				

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	nangarau	Hauora	AS91699  1.2 Te tūhura i ngā huānga toi o ngā toi puoro. Whiwhinga 4  AS91700  1.3 Te whakaatu māramatanga ki ngā tukanga toi taketake o ngā toi puoro. Whiwhinga 4  AS91701  1.4 Te whakaoti mahi toi e whakatakoto ana i tētahi māramatanga i roto i ngā toi puoro. Whiwhinga 6  AS91702  1.5 Te whakamahi hangarau matihiko hei whakawhanake whakaaro toi i roto i ngā toi puoro. Whiwhinga 4  AS91703  1.6 Te tautohu i ngā āhuatanga matua o tētahi toi taketake i roto i ngā toi puoro. Whiwhinga 4  AS91704  1.7 Te whakaatu māramatanga ki te whakapapa o tētahi toi taketake i roto i ngā toi puoro. Whiwhinga 4  AS91705  1.8 Te whakamahi i te reo toi o ngā toi puoro.	Pangarau	Putalao	Te Reo Rangatira	TIKANGA-A-IWI	
			Whiwhinga 4					
New Zealand Curriculum	<ul> <li>Technology:</li> <li>1.1 Undertake a brief development to address a need or opportunity.</li> <li>1.2 Use planning tools to guide the technological development of an outcome to address a brief.</li> <li>1.3 Use design ideas to produce a conceptual design for an outcome to address a brief.</li> <li>1.4 Demonstrate understanding of the ways a technological outcome, people, and social and physical environments interact.</li> </ul>	<ul> <li>Home Economics:</li> <li>1.1 Demonstrate knowledge of an individual's nutritional needs.</li> <li>1.2 Demonstrate understanding of societal influences on an individual's food choices and well-being.</li> <li>1.3 Demonstrate understanding of how cultural practices influence eating patterns in New Zealand.</li> <li>1.4 Demonstrate knowledge of practices and strategies to address food handling issues.</li> <li>1.5 Demonstrate understanding of</li> </ul>	<ol> <li>Dance:         <ol> <li>Compose dance sequences for given briefs.</li> <li>Perform dance sequences.</li> </ol> </li> <li>Demonstrate ensemble skills in a dance.</li> <li>Demonstrate understanding of the elements of dance.</li> <li>Demonstrate understanding of a dance performance.</li> <li>Demonstrate knowledge of a dance genre or style.</li> </ol>	<ul> <li>Mathematics and Statistics:</li> <li>1.1 Apply numeric reasoning in solving problems.</li> <li>1.2 Apply algebraic procedures in solving problems.</li> <li>1.3 Investigate relationships between tables, equations and graphs.</li> <li>1.4 Apply linear algebra in solving problems.</li> <li>1.5 Apply measurement in solving problems.</li> <li>1.6 Apply geometric reasoning in solving problems.</li> </ul>	1.1 Demonstrate an understanding of mechanics.  1.2 Investigate implications of electricity and magnetism for everyday life.  1.3 Investigate implications of wave behaviour for everyday life.  1.4 Investigate implications of heat for everyday life.  1.5 Demonstrate an understanding of aspects of acids and bases.  1.6 Investigate implications of the use of carbon compounds for	N/A	Social Studies:  1.1 Describe how cultures change.  1.2 Conduct a social inquiry.  1.3 Describe the consequences of cultural change(s).  1.4 Report on personal involvement in a social justice and human rights action.  1.5 Describe a social justice and human rights action.  Geography:  1.1 Demonstrate geographic	

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how technological modelling supports decision-making	and society enhance each other's well being.	1.1 Perform two pieces of music as a featured soloist.	solving measurement problems.	1.7 Investigate implications of the properties of metals for their		that have been shaped by extreme natural event(s).
Demonstrate understanding of how materials enable technological products to function	1.6 Demonstrate understanding of how packaging information influences an individual's food choices and well-being.	Demonstrate ensemble skills through performing a piece of music as a member of a group.	Apply knowledge of geometric representations in solving problems.	use in society.  1.8 Investigate selected chemical reactions.		<b>1.2</b> Demonstrate geographic understanding of population concepts.
<ul> <li>1.7 Demonstrate understanding of the role of subsystems in technological systems</li> <li>1.10 Demonstrate understanding of design elements</li> <li>1.30 Produce freehand sketches to communicate own design ideas.</li> <li>1.31 Produce instrumental, multiview orthographic drawings that communicate technical features of design ideas</li> <li>1.32 Produce instrumental paraline drawings to communicate design ideas</li> <li>1.40 Demonstrate understanding of basic concepts of information management</li> <li>1.44 Demonstrate understanding of basic concepts from computer science</li> </ul>	Health:  1.1 Take action to enhance an aspect of personal well-being.  1.2 Demonstrate understanding of influences on adolescent eating patterns to make health-enhancing recommendations.  1.3 Demonstrate understanding of ways in which well-being can change and strategies to support well-being.  1.4 Demonstrate understanding of interpersonal skills used to enhance relationships.  1.5 Demonstrate an understanding of strategies for promoting positive sexuality.  1.6 Demonstrate understanding of issues to make healthenhancing decisions in drug-	<ol> <li>Compose two original pieces of music.</li> <li>Demonstrate knowledge of two music works from contrasting contexts.</li> <li>Demonstrate aural and theoretical skills through transcription.</li> <li>Demonstrate knowledge of conventions used in music scores.</li> <li>Apply drama techniques in a dramatic context.</li> <li>Devise and perform a drama.</li> <li>Demonstrate understanding of features of a drama/theatre form.</li> <li>Demonstrate understanding of</li> </ol>	<ul> <li>1.9 Apply transformation geometry in solving problems.</li> <li>1.10 Investigate a multivariate data set using the statistical enquiry cycle.</li> <li>1.11 Investigate bivariate numerical data using the statistical enquiry cycle.</li> <li>1.12 Demonstrate understanding of chance and data.</li> <li>1.13 Investigate a situation involving elements of chance.</li> </ul>	<ol> <li>1.9 Demonstrate understanding of biological ideas relating to genetic variation.</li> <li>1.10 Investigate life processes and environmental factors that affect them.</li> <li>1.11 Investigate biological ideas relating to interactions between humans and micro-organisms.</li> <li>1.12 Investigate the biological impact of an event on a New Zealand ecosystem.</li> <li>1.13 Demonstrate understanding of the formation of surface features of New Zealand.</li> <li>1.14 Demonstrate understanding of carbon cycling.</li> <li>1.15 Demonstrate understanding of the effects of astronomical cycles on Planet Earth.</li> <li>1.16 Investigate an astronomical or</li> </ol>		<ul> <li>1.3 Demonstrate geographic understanding of the sustainable use of an environment.</li> <li>1.4 Apply concepts and basic geographic skills to demonstrate understanding of a given environment.</li> <li>1.5 Conduct geographic research, with direction.</li> <li>History:</li> <li>1.1 Carry out an investigation of an historical event, or place, of significance to New Zealanders.</li> <li>1.2 Demonstrate understanding of an historical event, or place, of significance to New Zealanders.</li> <li>1.3 Interpret sources of an historical event of significance</li> </ul>
Business Studies:  1.4 Apply the marketing mix to a new or existing product.	related situations.  Physical Education: (NB)  1.1 Participate actively in a variety of physical activities and explain factors that influence	<ul> <li>a significant play.</li> <li>1.6 Perform and acting role in a scripted production.</li> <li>1.7 Demonstrate understanding of the use of drama aspects within live performance.</li> </ul>		Earth science event.  Chemistry:  1.1 Carry out a practical chemistry investigation, with direction.		<ul> <li>to New Zealanders.</li> <li>1.4 Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.</li> </ul>
Construction and Mechanical Technologies:  1.20 Implement basic procedures using resistant materials to	own participation.  1.2 Demonstrate understanding of the function of the body as it relates to the performance of	1.1 Demonstrate understanding of		<ul> <li>1.2 Demonstrate understanding of the chemistry in a technological application.</li> <li>1.3 Demonstrate understanding of aspects of carbon chemistry.</li> </ul>		<ul><li>1.5 Describe the causes and consequences of an historical event.</li><li>1.6 Describe how a significant historical event affected New</li></ul>
make a specified product.  1.21 Implement basic procedures using textile materials to make a specified product.  1.22 Demonstrate understanding of basic concepts used to make	physical activity.  1.3 Demonstrate quality movement in the performance of a physical activity.  1.4 Demonstrate understanding of	art works from a Māori and other cultural context using art terminology.  1.2 Use drawing methods and skills for recording information using wet and dry media.		<ul> <li>1.4 Demonstrate understanding of aspects of selected elements.</li> <li>1.5 Demonstrate understanding of aspects of chemical reactions.</li> </ul>		Zealand society.  Economics:  1.1 Demonstrate understanding of
products from resistant materials.	societal influences on physical activity and the implications for self and others.	1.3 Use drawing conventions to develop work in more than one field of practice.		Physics:		consumer choices, using scarcity and/or demand.  1.2 Demonstrate understanding
1.23 Demonstrate understanding of basic concepts used to make products from textile materials.	1.5 Demonstrate interpersonal skills in a group and explain how these skills impact on others	Produce a body of work informed by established practice, which develops ideas,		1.1 Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction.		that a producer makes about production.  1.3 Demonstrate understanding of
<b>1.24</b> Demonstrate understanding of basic concepts related to structures.	others.  1.6 Demonstrate strategies to improve the performance of a	using a range of media understanding of the elements of dance.		1.2 Demonstrate understanding of the physics of an application.		producer choices using supply.  1.4 Demonstrate understanding of
<ul><li>1.25 Demonstrate understanding of basic concepts related to machines.</li><li>1.26 Make basic adaptations to a</li></ul>	physical activity and describe the outcomes.  1.7 Demonstrate, and show understanding of, responsible	Produce a finished work that demonstrates appropriate cultural conventions.		<ul><li>1.3 Demonstrate understanding of aspects of electricity and magnetism.</li><li>1.4 Demonstrate understanding of</li></ul>		how consumer, producer and/or government choices affect society, using market equilibrium.
pattern to enable a design to fit a person or item.	behaviour for safety during outdoor education activities.	Art History:		aspects of wave behaviour.  1.5 Demonstrate understanding of		1.5 Demonstrate understanding of government choice where affected groups have different

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Design and Visual Communication:  1.30 Produce freehand sketches	<ul><li>1.8 Take purposeful action to assist others to participate in physical activity.</li><li>1.9 Demonstrate self management strategies and describe the</li></ul>	<ul> <li>1.1 Demonstrate understanding of formal elements of art works, using art terminology.</li> <li>1.2 Demonstrate understanding of the subject matter of art works.</li> </ul>		aspects of heat.  Biology:  1.1 Carry out a practical		viewpoints.  1.6 Demonstrate understanding of the interdependence of sectors of the New Zealand economy.
that communicate design ideas.	effects on participation in physical activity.	1.3 Demonstrate understanding of		investigation in a biological context with direction.		Business Studies:
1.31 Produce instrumental, multiview orthographic drawings that communicate technical features of design ideas.      1.32 Produce instrumental possible.	programmer.	links between context(s) and art works.  1.4 Demonstrate knowledge of media and methods used to produce art works.		<ul><li>1.2 Report on a biological issue.</li><li>1.3 Demonstrate understanding of biological ideas relating to micro-organisms.</li></ul>		<b>1.2</b> Demonstrate an understanding of external factors influencing a small business.
<ul><li>1.32 Produce instrumental paraline drawings to communicate design ideas.</li><li>1.33 Use rendering techniques to communicate the form of</li></ul>		Media Studies:  1.1 Demonstrate understanding of how individuals interact with		<ul><li>1.4 Demonstrate understanding of biological ideas relating to the life cycle of flowering plants.</li><li>1.5 Demonstrate understanding of biological ideas relating to a</li></ul>		Media Studies:     Demonstrate understanding of selected elements of media text(s).
design ideas.  1.34 Use the work of an influential designer to inform design ideas.		the media.		mammal(s) as a consumer(s).		<ul><li>1.3 Demonstrate understanding of the media coverage of a current issue or event.</li><li>1.4 Demonstrate understanding of</li></ul>
1.35 Undertake development of design ideas through graphics practice.						characteristics of a media genre.  1.5 Produce a design and plan for
1.36 Promote an organised body of design work to an audience using visual communication techniques.						<ul><li>a media product using a specified range of conventions.</li><li>1.6 Complete a media product from a design and plan using a</li></ul>
Digital Technologies:						<ul><li>specified range of conventions.</li><li>1.7 Demonstrate understanding of rules that govern the media in</li></ul>
1.40 Demonstrate understanding of basic concepts of information management.						New Zealand.  1.8 Write media texts for a specific
1.41 Implement basic procedures to produce a specified digital information outcome.						target audience.  Religious Studies:
1.42 Demonstrate understanding of basic concepts of digital media.						1.1 Describe the purpose of a sacred text within a religious
1.43 Implement basic procedures to produce a specified digital media outcome.						tradition.  1.2 Describe a significant development within a religious tradition.
1.44 Demonstrate understanding of basic concepts from computer science.						Describe the application of the key ethical principle(s) of a religious tradition to an issue.
1.45 Construct a plan for a basic computer program for a specified task.						Describe key beliefs of a religious tradition.
1.46 Construct a basic computer program for a specified task.						
1.47 Demonstrate understanding of basic concepts used in the design and construction of electronic environments.						
1.48 Implement basic interfacing procedures in a specified electronic environment.						
1.49 Implement basic techniques in constructing a specified						

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	electronic and embedded system.						
1.50	O Demonstrate understanding of the common components of basic digital infrastructures.						
1.5	1 Implement basic procedures for servicing a personal computer system.						
Ger	neric Technology:						
1.4	Undertake development to make a prototype to address a brief.						
1.5	Demonstrate understanding of how technological modelling supports decision-making.						
1.6	Demonstrate understanding of how materials enable technological products to function.						
1.7	Demonstrate understanding of the role of subsystems in technological systems.						
1.8	Demonstrate understanding of how different disciplines influence a technological development.						
1.10	Demonstrate understanding of design elements.						
	Demonstrate understanding of basic human factors in design.						
1.1:	Demonstrate understanding of basic concepts used in manufacturing.						
1.13	3 Implement a multi-unit manufacturing process.						
Pro	ocessing Technologies:						
1.60	10 Implement basic procedures to process a specified product.						
1.6	11 Demonstrate understanding of basic concepts used in processing.						
1.62	2 Demonstrate understanding of basic concepts used in preservation and packaging						
	techniques for product storage.						