

# He Mahere Paerewa Paetae – Taumata rua

## Key

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	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-Iwi</u>	
<u>Te Marautanga o Aotearoa</u>	AS91770	AS	AS91751 <i>Ngā Mahi a Te Rēhia</i>	AS91256	AS91766	AS91777	AS91758	
	2.1 Te whakaputa tauāki hei whakaea i tētahi take hangarau motuhake	2.1 Te whakamārama i tētahi āhuatanga matatika me te pānga ki te hunga taiohi	2.1 Te whakamātau i ngā pūkenga toi o ngā mahi a te rēhia	2.1 Te whakamahai tikanga āhuatanga taunga hei whakaoti rapanga	2.1 Te whakahāngai huatau koiora ki tētahi rauropi whakahirahira ki te Māori	2.1 <b>Te whakarongo ki ngā tohunga reo</b>	2.1 Te whakaatu mōhiotanga ki ngā take e hunuku ai te Māori ki wāhi kē	
	AS91771	AS	AS91752	AS91257	AS91767	AS91778	AS91759	
	2.2 Te whakatakoto tikanga hei whakaea i tētahi take hangarau motuhake	2.2 Te whakaatu māramatanga ki ngā kai taketake me te pānga ki te oranga o te tangata	2.2 Te whakamātau i ngā huāngā toi o ngā mahi a te rēhia	2.2 Te whakamahai tikanga kauwhata pānga hei whakaoti rapanga	2.2 Te tūhura i ngā panoni hauropi o tētahi wāhi whakahirahira ki te Māori	2.2 Te wetewete i ngā tuhinga tuatahi	2.2 Te whakapuaki whakaaro mō te taha hinengaro, te taha tinana me te taha wairua o tētahi tikanga ā-iwi	
	AS91772	AS	AS91753	AS91258	AS91768	AS91779	AS91760	
	2.3 Te whakaputa hohoa hei whakaea i tētahi take hangarau motuhake	2.3 Te arotake i tētahi kaupapa tiaki taiao i runga i te tirohanga Māori	2.3 Te whakamātau i ngā tukanga toi o ngā mahi a te rēhia	2.3 Te whakamahai tapeke raupapa hei whakaoti rapanga	2.3 Te whakahāngai huatau pūtaiao ā-nuku ki tētahi āhuatanga e pā ana ki a Papatūānuku	2.3 <b>Te pānui i ngā tuhinga tawhito</b>	2.3 Te tūhura i ngā pūtake o ngā rōpū tōrangapū	
	AS91773	AS	AS91754	AS91259	AS91769	AS91780	AS91761	
	2.4 Te whakaputa i tētahi hua hangarau rorohiko hei whakaea i tētahi take hangarau motuhake	2.4 Te whakaatu i ngā tikanga o te whakawhanaungatanga	2.4 Te whakaoti mahi toi nō te ao onamata i roto i ngā mahi a te rēhia	2.4 Te whakamahai pānga pākoki hei whakaoti rapanga	2.4 Te whakahāngai huatau tātai arorangi ki tētahi whetū whakahirahira ki te Māori	2.4 <b>Te tuhi kōrero whakaae rānei, whakahē rānei</b>	2.4 Te tūhura i ngā pānga o te ao hangarau ki te oranga o te reo Māori	
	AS91774	AS	AS91755	AS91260		AS91781	AS91762	
	2.5 Te whakaputa i tētahi hua hangarau hanganga hei whakaea i tētahi take hangarau motuhake	2.5 Te tātari i te pānga o ngā uara o te porihanga ki te oranga o te tangata	2.5 Te whakamātau hangarau matihiko hei whakaniko i tētahi mahi toi i roto i ngā mahi a te rēhia	2.5 Te whakamahai tikanga rauara hei whakaoti rapanga		2.5 Te titi i te whakaari	2.5 Te whakapuaki whakaaro mō ngā huarahi e whakaaturia ait e tuakiri ā-whenua	
	AS91775		AS91756	AS91261		AS91782	AS91763	
	2.6 Te whakaputa i tētahi hua hangarau kai hei whakaea i tētahi take hangarau motuhake	2.6 Te arotake i ngā mahi toi a tētahi kaitoi nō iwi taketake i roto i ngā mahi a te rēhia	2.6 <b>Te whakamahai tikanga taurangi hei whakaoti rapanga</b>			2.6 Te titi i tētahi pakwaitara poto	2.6 Te whakapuaki whakaaro mō ngā tikanga whakahaere i tētahi hui nui	
	AS91776		AS91757	AS91262		AS91783		
	2.7 Te whakaputa i tētahi hua hangarau kākahu hei whakaea i tētahi take hangarau motuhake	2.7 Te whakataurite i tētahi toi taketake ki tētahi mahi toi o ēnei rā i roto i ngā mahi a te rēhia	2.7 <b>Te whakamahai tikanga tuanaki hei whakaoti rapanga</b>			2.7 Te whakarite i te whaituhi roa mō te takenga o te reo Māori		
		<i>Toi Ataata</i>	AS91737	AS91263		AS91784		
		2.1 Te whakamātau i ngā pūkenga toi o ngā toi ataata	2.8 Te waihanga i te uiui pāngarau			2.8 Te kōrero i te pakwaitara		
		2.2 Te whakamātau i ngā huāngā toi o ngā toi ataata	AS91264			AS91785		
		2.3 Te whakamātau i ngā tukanga toi o ngā toi ataata	2.9 Te whai i ngā tikanga o te tūhuratanga tauanga hei whakaputa hīkaro			2.9 Te whakahāngai i ngā kōrero o nehe ki te ao hou hei kōrero ohia		
			AS91265			AS91786		
			2.10 Te whakamahai tikanga whakamātau tauanga hei tūhura i tētahi huina raraunga			2.10 Te wetewete kaupapa		

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			<p><b>AS91740</b>  <b>2.4</b> Te whakaoti mahi toi nō te ao onamata i roto i ngā toi ataata</p> <p><b>AS91741</b>  <b>2.5</b> Te whakamātau hangarau matihiko hei whakaniko i tētahi mahi toi i roto i ngā toi ataata</p> <p><b>AS91742</b>  <b>2.6</b> Te arotake i ngā mahi toi a tētahi kaitoi nō iwi taketake i roto i ngā toi ataata</p> <p><b>AS91743</b>  <b>2.7</b> Te whakataurite i tētahi toi taketake ki tētahi mahi toi o ēnei rā i roto i ngā toi ataata</p> <p><b>AS91744</b>  <b>Toi Puoro</b>  <b>2.1</b> Te whakamātau i ngā pūkenga toi o ngā toi puoro</p> <p><b>AS91745</b>  <b>2.2</b> Te whakamātau i ngā huānga toi o ngā toi puoro</p> <p><b>AS91746</b>  <b>2.3</b> Te whakamātau i ngā tukanga toi o ngā toi puoro</p> <p><b>AS91747</b>  <b>2.4</b> Te whakaoti mahi toi nō te ao onamata i roto i ngā toi puoro</p> <p><b>AS91748</b>  <b>2.5</b> Te whakamātau hangarau matihiko hei whakaniko i tētahi mahi toi i roto i ngā toi puoro</p>	<p><b>AS91266</b>  <b>2.11</b> Te arotake i te pūrongo tauanga hei tautohu i te whaihua o ngā whakapae</p> <p><b>AS91267</b>  <b>2.12</b> Te whakamahi pūāhua tūponotanga hei whakaoti rapanga</p> <p><b>AS91268</b>  <b>2.13</b> Te tūhura pūāhua tūponotanga mā te whakatipu putanga whakamātau tūpono</p> <p><b>AS91269</b>  <b>2.14</b> Te whakamahi whārite tukutahi hei whakaoti rapanga</p> <p><b>AS91764</b>  <b>2.15</b> Te whakahaere rangahau pāngarau</p> <p><b>AS91765</b>  <b>2.16</b> Te tātari i te reo motuhake o tētahi kōrero pāngarau.</p>	<p><b>AS91787</b>  <b>2.11</b> Te tūhura me te pūrongo i te reo peha</p> <p><b>AS91788</b>  <b>2.12</b> Te tūhura i ngā tikanga o te reo</p>		

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			<b>AS91749</b> <b>2.6</b> Te arotake i ngā mahi toi a tētahi kaitoi nō iwi taketake i roto i ngā toi puoro				
			<b>AS91750</b> <b>2.7</b> Te whakataurite i tētahi toi taketake ki tētahi mahi toi o ēnei rā i roto i ngā toi puoro.				
<u>New Zealand Curriculum</u> <ul style="list-style-type: none"> <li><b>Business Studies:</b> <ul style="list-style-type: none"> <li>2.3 Conduct market research for a new or existing product</li> </ul> </li>   <li><b>Design and Visual Communication:</b> <ul style="list-style-type: none"> <li>2.30 Use visual communication techniques to generate design ideas</li> <li>2.31 Produce working drawings to communicate technical details of a design</li> <li>2.32 Produce instrumental perspective projection drawings to communicate design ideas</li> </ul> </li>   <li><b>Generic Technology:</b> <ul style="list-style-type: none"> <li>2.1 Undertake brief development to address an issue</li> <li>2.2 Select and use planning tools to manage the development of an outcome</li> <li>2.3 Develop a conceptual design for an outcome</li> <li>2.4 Undertake effective development to make and trial a prototype</li> <li>2.5 Demonstrate understanding of how technological modelling supports risk management</li> <li>2.6 Demonstrate understanding of the role of material evaluation in product development</li> <li>2.7 Demonstrate understanding of redundancy and reliability in technological systems</li> <li>2.10 Demonstrate understanding of sustainability in design</li> </ul> </li>   <li><b>Digital Technologies:</b> <ul style="list-style-type: none"> <li>2.40 Demonstrate understanding of advanced concepts relating to managing shared information</li> </ul> </li> </ul>	<b>Health:</b> <ul style="list-style-type: none"> <li>2.1 Analyse an adolescent health issue</li> <li>2.2 Evaluate factors that influence people's ability to manage change</li> <li>2.3 Take action to enhance an aspect of people's well-being within the school or wider community</li> <li>2.4 Analyse an interpersonal issue(s) that places personal safety at risk</li> <li>2.5 Analyse issues related to sexuality and gender to develop strategies for addressing the issues</li> </ul> <b>Home Economics:</b> <ul style="list-style-type: none"> <li>2.1 Analyse issues related to the provision of food for people with specific food needs</li> <li>2.2 Analyse the relationship between well-being, food choices and determinants of health</li> <li>2.3 Analyse beliefs, attitudes and practices related to a nutritional issue for families in New Zealand</li> <li>2.4 Evaluate sustainable food related practices</li> <li>2.5 Analyse practices to enhance well-being used in care provision in the community</li> <li>2.6 Evaluate health promoting strategies designed to address a nutritional need</li> </ul> <b>Physical Education: (NB)</b> <ul style="list-style-type: none"> <li>2.1 Examine the role and significance of physical activity in the lives of young people in New Zealand</li> </ul>	<b>Dance:</b> <ul style="list-style-type: none"> <li>2.1 Choreograph a group dance to communicate an intention</li> <li>2.2 Choreograph a solo dance to communicate an intention</li> <li>2.3 Perform an ethnic or social dance to communicate understanding of the style</li> <li>2.6 Demonstrate understanding of a range of choreographic processes</li> <li>2.7 Provide an interpretation of a dance performance with supporting evidence</li> <li>2.8 Demonstrate understanding of a dance genre or style in context</li> </ul> <b>Drama:</b> <ul style="list-style-type: none"> <li>2.1 Apply drama techniques in a scripted context</li> <li>2.2 Devise and perform a drama to realise an intention</li> <li>2.3 Discuss a drama or theatre form or period with reference to a text</li> <li>2.5 Examine the work of a playwright</li> <li>2.6 Perform a substantial acting role in a scripted production</li> <li>2.7 Discuss drama elements, techniques, conventions and technologies within live performance</li> </ul> <b>Music:</b> <ul style="list-style-type: none"> <li>2.1 Perform two substantial pieces of music as a featured soloist</li> <li>2.2 Perform a substantial piece of music as a featured soloist on a second instrument</li> <li>2.3 Demonstrate ensemble skills by performing a substantial piece of music as a member of a group</li> </ul>	<b>Mathematics and Statistics:</b> <ul style="list-style-type: none"> <li>2.1 Apply co-ordinate geometry methods in solving problems</li> <li>2.2 Apply graphical methods in solving problems</li> <li>2.3 Apply sequences and series in solving problems</li> <li>2.4 Apply trigonometric relationships in solving problems</li> <li>2.5 Apply network methods in solving problems</li> <li>2.6 Apply algebraic methods in solving problems</li> <li>2.7 Apply calculus methods in solving problems</li> <li>2.8 Design a questionnaire</li> <li>2.9 Use statistical methods to make an inference</li> <li>2.10 Conduct an experiment to investigate a situation using statistical methods</li> <li>2.11 Evaluate a statistically based report</li> <li>2.12 Apply probability methods in solving problems</li> <li>2.13 Investigate a situation involving elements of chance using a simulation</li> <li>2.14 Apply systems of equations in solving problems</li> </ul> <b>Physics:</b> <ul style="list-style-type: none"> <li>2.1 Demonstrate understanding of bonding, structure, properties and energy changes</li> <li>2.5 Demonstrate understanding of the properties of selected organic compounds</li> <li>2.6 Demonstrate understanding of chemical reactivity</li> <li>2.7 Demonstrate understanding of oxidation-reduction</li> </ul>	<b>Biology:</b> <ul style="list-style-type: none"> <li>2.1 Carry out a practical investigation in a biology context, with supervision</li> <li>2.2 Analyse the biological validity of information presented to the public</li> <li>2.3 Demonstrate understanding of adaptation of plants or animals to their way of life</li> <li>2.4 Demonstrate understanding of life processes at the cellular level</li> <li>2.5 Demonstrate understanding of genetic variation and change</li> <li>2.6 Investigate a pattern in an ecological community, with supervision</li> <li>2.7 Demonstrate understanding of gene expression</li> <li>2.8 Investigate biological material at the microscopic level</li> </ul> <b>Chemistry:</b> <ul style="list-style-type: none"> <li>2.1 Carry out quantitative analysis</li> <li>2.2 Carry out procedures to identify ions present in solution</li> <li>2.3 Demonstrate understanding of the chemistry used in the development of a current technology</li> <li>2.4 Demonstrate understanding of bonding, structure, properties and energy changes</li> <li>2.5 Demonstrate understanding of the properties of selected organic compounds</li> <li>2.6 Demonstrate understanding of chemical reactivity</li> <li>2.7 Demonstrate understanding of oxidation-reduction</li> </ul>	<b>Business Studies:</b> <ul style="list-style-type: none"> <li>2.6 Carry out, review and refine a business activity within a community context with guidance</li> </ul> <b>Economics:</b> <ul style="list-style-type: none"> <li>2.1 Analyse inflation using economic concepts and models</li> <li>2.2 Analyse international trade using economic concepts and models</li> <li>2.3 Analyse economic growth using economic concepts and models</li> <li>2.4 Analyse unemployment using economic concepts and models</li> <li>2.5 Analyse statistical data relating to two contemporary economic issues</li> <li>2.6 Analyse how government policies and contemporary economic issues interact</li> <li>2.7 Analyse a contemporary economic issue of special interest using economic concepts and models</li> </ul> <b>History:</b> <ul style="list-style-type: none"> <li>2.1 Carry out an inquiry of an historical event or place that is of significance to New Zealanders</li> <li>2.2 Examine an historical event or place that is of significance to New Zealanders</li> <li>2.3 Examine sources of an historical event that is of significance to New Zealanders</li> <li>2.4 Interpret different perspectives of people in an historical event that is of significance to New Zealanders</li> <li>2.5 Examine causes and consequences of a significant</li> </ul>		

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	<p>within information systems</p> <p><b>2.41</b> Implement advanced procedures to produce a specified digital information outcome with dynamically linked data</p> <p><b>2.42</b> Demonstrate understanding of advanced concepts of digital media</p> <p><b>2.43</b> Implement advanced procedures to produce a specified digital media outcome</p> <p><b>2.44</b> Demonstrate understanding of advanced concepts from computer science</p>	<p><b>2.2</b> Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills</p> <p><b>2.3</b> Demonstrate understanding of the application of biophysical principles to training for physical activity</p> <p><b>2.4</b> Perform a physical activity in an applied setting</p> <p><b>2.5</b> Examine the significance for self, others and society of a sporting event, a physical activity, or a festival</p> <p><b>2.6</b> Evaluate leadership strategies that contribute to the effective functioning of a group</p> <p><b>2.7</b> Analyse the application of risk management strategies to a challenging outdoor activity</p> <p><b>2.8</b> Consistently demonstrate social responsibility through applying a social responsibility model in physical activity</p> <p><b>2.9</b> Examine the implementation and outcome(s) of a physical activity event or opportunity</p> <p><b>2.10</b> Analyse group processes in physical activity</p>	<p><b>2.4</b> Compose two substantial pieces of music</p> <p><b>2.5</b> Demonstrate aural understanding through written representation</p> <p><b>2.6</b> Demonstrate knowledge of conventions in a range of music scores</p> <p><b>2.9</b> Investigate an aspect of New Zealand music</p> <p><b>Media Studies:</b></p> <p><b>2.1</b> Demonstrate understanding of the relationship between a media product and its audience</p> <p><b>2.5</b> Produce a design and plan for a developed media product using a range of conventions</p> <p><b>2.6</b> Complete a developed media product from a design and plan using a range of conventions</p> <p><b>Visual Arts:</b></p> <p><b>2.1</b> Demonstrate an understanding of methods and ideas from established practice appropriate to design</p> <p><b>2.1</b> Demonstrate an understanding of methods and ideas from established practice appropriate to painting</p> <p><b>2.1</b> Demonstrate an understanding of methods and ideas from established practice appropriate to photography</p> <p><b>2.1</b> Demonstrate an understanding of methods and ideas from established practice appropriate to printmaking</p> <p><b>2.1</b> Demonstrate an understanding of methods and ideas from established practice appropriate to sculpture</p> <p><b>2.2</b> Use drawing methods to apply knowledge of conventions appropriate to design</p> <p><b>2.2</b> Use drawing methods to apply knowledge of conventions appropriate to painting</p> <p><b>2.2</b> Use drawing methods to apply</p>		<p><b>2.1</b> Carry out a practical physics investigation that leads to a non-linear mathematical relationship</p> <p><b>2.2</b> Demonstrate understanding of physics relevant to a selected context</p> <p><b>2.3</b> Demonstrate understanding of waves</p> <p><b>2.4</b> Demonstrate understanding of mechanics</p> <p><b>2.5</b> Demonstrate understanding of atomic and nuclear physics</p> <p><b>2.6</b> Demonstrate understanding of electricity and electromagnetism</p> <p><b>Earth and Space Science:</b></p> <p><b>2.1</b> Carry out a practical Earth and Space Science investigation</p> <p><b>2.2</b> Examine an Earth and Space Science issue and the validity of the information communicated to the public</p> <p><b>2.3</b> Investigate geological processes in a New Zealand locality</p> <p><b>2.4</b> Investigate how organisms survive in an extreme environment</p> <p><b>2.5</b> Demonstrate understanding of the causes of extreme Earth events in New Zealand</p> <p><b>2.6</b> Demonstrate understanding of stars and planetary systems</p> <p><b>2.7</b> Demonstrate understanding of physical principles related to the Earth System</p>		<p>historical event</p> <p><b>2.6</b> Examine how a significant historical event affected New Zealand society</p> <p><b>Geography:</b></p> <p><b>2.1</b> Demonstrate geographic understanding of a large natural environment</p> <p><b>2.2</b> Demonstrate geographic understanding of an urban pattern</p> <p><b>2.3</b> Demonstrate geographic understanding of differences in development</p> <p><b>2.4</b> Apply geography concepts and skills to demonstrate understanding of a given environment</p> <p><b>2.5</b> Conduct geographic research with guidance</p> <p><b>2.6</b> Explain aspects of a contemporary New Zealand geographic issue</p> <p><b>2.7</b> Explain aspects of a geographic topic at a global scale</p> <p><b>2.8</b> Apply spatial analysis, with guidance, to solve a geographic problem</p> <p><b>Media Studies:</b></p> <p><b>2.7</b> Demonstrate understanding of an ethical issue in the media</p> <p><b>Social Studies:</b></p> <p><b>2.1</b> Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas</p> <p><b>2.2</b> Conduct a reflective social inquiry</p> <p><b>2.3</b> Describe how cultural conflict(s) can be addressed</p> <p><b>2.4</b> Describe personal involvement in a social action related to rights and responsibilities</p> <p><b>2.5</b> Describe a social action that enables communities and/or nations to meet responsibilities and exercise rights</p>

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			<p>knowledge of conventions appropriate to photography</p> <p>2.2 Use drawing methods to apply knowledge of conventions appropriate to printmaking</p> <p>2.2 Use drawing methods to apply knowledge of conventions appropriate to sculpture</p> <p>2.3 Develop ideas in a related series of drawings appropriate to established design practice</p> <p>2.3 Develop ideas in a related series of drawings appropriate to established painting practice</p> <p>2.3 Develop ideas in a related series of drawings appropriate to established photography practice</p> <p>2.3 Develop ideas in a related series of drawings appropriate to established printmaking practice</p> <p>2.3 Develop ideas in a related series of drawings appropriate to established sculpture practice</p> <p>2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within design</p> <p>2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within painting</p> <p>2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within photography</p> <p>2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within printmaking</p> <p>2.4 Produce a systematic body of work that shows understanding of art making conventions and ideas within sculpture</p> <p>2.5 Produce a resolved work that demonstrates control of skills appropriate to cultural conventions</p> <p><b>Art History:</b></p> <p>2.1 Examine the effects of formal elements of art works</p> <p>2.3 Examine the influence of context(s) on art works</p> <p>2.4 Examine how media are used to create effects in art works</p>				