

NATIONAL EDUCATION MONITORING PROJECT
ASSESSMENT RESOURCES

The NEMP-Curriculum Map

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The NEMP-Curriculum Map

BACKGROUND

Purpose

The National Education Monitoring Project (NEMP) has been conducting annual assessments of children's achievement, values and attitudes at Year 4 and 8 since 1995. Over a four-year cycle, the seven curriculum areas and eight essential skills are assessed. There is now a substantial collection of assessment tasks which have been published in 15 annual reports of results. Approximately 400 'released' tasks are publicly available to teachers through these reports and may be adapted for use in their classrooms.

Anecdotal and other evidence (e.g. Lovett, 1999 and Gilmore, 1999) has indicated that teachers do not, in fact, often access these assessment resources of their own accord. One of the barriers to greater use of the NEMP resources identified by teachers and by members of the NEMP National Advisory Committee is the lack of a 'bridge' between the tasks themselves and the areas of the curriculum to which they relate.

The purpose of this project was to map the assessment tasks onto the curriculum documents to facilitate the use of these assessment resources by teachers.

Procedure

Teachers who had been employed as assessment task administrators in 2000 were invited to complete a brief questionnaire to determine the level and nature of mapping that would be most appropriate and beneficial for them.

Six teachers, representing a cross-section of teaching experience and experience with the NEMP materials, were invited to undertake the mapping task.

A number of principles were adopted to guide this project. Namely, that:

- The framework for the mapping would not compromise the fundamental philosophy and practices of the NEMP assessment programme;
- The resultant map would be useful to teachers as a resource;
- The map would encourage teachers to consult the NEMP reports more extensively;
- The map would be structured around the seven curriculum documents; and
- The mapping would not 'force' a match between the NEMP task and the curriculum where one did not exist.

The teachers worked in flexible teams to trial the mapping strategy, map the tasks from all NEMP reports from 1995-2000, and validate the mapping. For each task, the curriculum, area(s), process(es) and underlying concept(s) were identified. It was considered undesirable to categorise the tasks at particular achievement levels as many tasks could be adapted easily to different contexts and levels of difficulty.

NEMP tasks that were NOT mapped were:

- Link tasks - those tasks held as secure for use in the next NEMP assessment cycle.
- Tasks which require specific NEMP computer software or videos that cannot be accessed or replicated.

INTRODUCTION

The NEMP-Curriculum Map has been arranged by strand or discipline within each curriculum area. For each assessment task the following information is provided:

- The name of the task
- The page reference to the relevant NEMP Report
- The process(es), area(s) or underlying concept(s) within the curriculum(s) that apply

Example:

ENGLISH					
Strand	NEMP Report		Curriculum Processes		
	Page	Report	EL	TC	PI
Oral Language: Speaking Functions					
Bike Accident	45	[Read & Sp 96]		✓	✓

The task ‘Bike Accident’ on page 45 of the Language: Reading and Speaking, 1996 NEMP Report, assesses the Oral Language: Speaking Functions strand and the processes of ‘Thinking Critically’ (TC) and ‘Processing Information’ (PI) of the **English** curriculum document.

MAKING THE MOST OF THIS RESOURCE

Each NEMP assessment task (with the exception of link tasks) is presented in a NEMP report with full details of the assessment. These include:

<i>Approach:</i>	Station, one-to-one, or individual task.
<i>Focus:</i>	The broad learning outcome being assessed.
<i>Resources:</i>	The resources needed to administer the task.
<i>Questions/Instructions:</i>	Specific and detailed instructions.
<i>Marking criteria:</i>	Criteria used for assessing children’s performance.
<i>Children’s performance:</i>	The performance of children on the task at Year 4 and/or Year 8 reported as (i) the percent of children correctly answering and/or (ii) a graph.

NEMP tasks have not only been developed by experts in the fields of curriculum and assessment, but they are popular with students and teachers alike. They provide teachers with a proven collection of standardised assessment tasks across all curriculum areas at a time when many schools are busy developing collections of their own. The tasks focus across all curriculum strands and essential skills to provide valuable data on individual or group achievement and progress in a class, syndicate or school.

Whilst actual NEMP tasks are administered to a sample of Year 4 and Year 8 students each year, most are appropriate for a wide range of ages and curriculum levels - especially if teachers adapt the activity using professional judgement based on classroom experience.

Once you have adapted the task to suit your needs, providing each student or group with a standardised opportunity to demonstrate their knowledge and understanding increases the value of the data collected. A video camera or tape recorder may help during more complex assessment activities so that marking criteria can be developed and marking carried out later.

During formal NEMP testing, specific approaches (one-to-one, independent or team) are used for each task and this affects the format of the data collection (administrator records, student worksheets or video camera) and the manner in which instructions are given. Flexible use requires some adaptation to suit the circumstances. The NEMP reports indicate the approach used and provide administrator scripts for all published tasks.

Scripts often include prompts, which are only used if children fail to give full answers or back up opinions with reasons. Open questions also encourage children to think and answer in their own time. When asking open questions in a relaxed manner and allowing pauses for thinking time, teacher administrators increase both the quality of responses and/or the ease with which they can judge a child's understanding. Some tasks include scripts for a one-on-one conference between teacher and student, with the teacher making notes. These can be readily adapted to a worksheet with children writing responses, if appropriate to your class. Written texts or instructions can be read out to students and responses can be recorded by an adult, unless reading and/or writing are the skills being assessed.

All New Zealand schools have been provided with multiple copies of the annual reports from 1995 onwards. Utilizing the NEMP-Curriculum Map with the reports will allow teachers, curriculum sub-committees and management teams opportunities to meet specific assessment requirements and needs. By analysing the report findings in a given area, or by reading the annual Forum Comment, it is possible to gauge national areas of strength or weakness for a specific age group, ethnic group or type of school. Annual NEMP reports also include detailed marking criteria, results showing how Year 4 and/or Year 8 students performed nationally and commentaries for each task. These often help with marking and allow you to compare your students' results with those of New Zealand students, particularly if you presented the task as is. There are multiple copies of these reports in all New Zealand primary schools and extra copies are available at no cost.

ACKNOWLEDGEMENTS

I wish to acknowledge and extend my profound thanks to the group of dedicated, highly motivated and cheerful teachers who worked with me on this project. They were: Sue Charmley, Lois Christmas, Cherie Criglington, Susannah Debenham, Clare van Hasselt and Kathy Watson. Their commitment to optimising children's learning through their own teaching, learning and assessment beliefs and practices, tempered with the realities of today's schools ignited a profound appreciation and enthusiasm for the National Education Monitoring Project assessment materials.

Many thanks to Mary Chamberlain of the Ministry of Education for recognising the value of this project and for the Ministry's support in funding teacher release.

Finally, I wish to thank Terry Crooks and Lester Flockton, the directors of NEMP, for their ongoing support by providing NEMP reports and materials.

NEMP RESOURCES

Extra copies of NEMP reports are available to teachers and schools at no cost.

Contact : Educational Assessment Research Unit

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A range of NEMP resources (video clips, NEMP reports) are available on the NEMP web site:

<http://nemp.otago.ac.nz/>

Ministry of Education Website

The NEMP-Curriculum Map may be accessed through the Ministry's website: <http://www.tki.org.nz/>

CODE FOR NEMP REPORTS

NEMP Report	Code
Science, 1995.....	Science 95
Art, 1995.....	Art 95
Graphs, Tables and Maps, 1995	GT & M 95
Reading & Speaking	Read & Sp 96
Technology, 1996	Tech 96
Music, 1996	Music 96
Mathematics, 1997	Maths 97
Social Studies, 1997	Social S 97
Information Skills, 1997.....	Info Skills 97
Listening and Viewing, 1998	List & View 98
Writing, 1998.....	Writing 98
Health & Physical Education, 1998	H & PE 98
Science, 1999.....	Science 99
Art, 1999.....	Art 99
Graphs, Tables and Maps, 1999	GT & M 99
Reading and Speaking, 2000	Read & Sp 00
Aspects of Technology, 2000	Tech 00
Music, 2000	Music 00

Strand	NEMP		Curriculum Processes		
	Page	Report	EL	TC	PI
Oral Language: Speaking Functions Continued...					
Bike Puncture			✓		✓
Coloured Sheep	28	[Tech 96]		✓	
Green Sheep	29			✓	
Two Sculptures	43			✓	
Two Paintings	45			✓	
Print Making Processes	47				✓
Art in Social Contexts	44	[Art 95]			
Two Paintings	38	[Art 99]		✓	
Art Objects A	40			✓	
Radical Rhymes	16	[Music 00]	✓		
Keeping Safe	52	[H & PE 98]			✓
Mary Borg	14	[Info Skills 97]			✓
Written Language: Reading Functions					
Fiction Bands 1-5	17-19	[Read & Sp 96]	✓		✓
Non-Fiction Bands 1-5	20-23		✓		✓
Non-Book Bands 0-5	23-25		✓	✓	✓
Signs	27		✓		
Book Club News	28			✓	✓
Book Brochure	29				✓
Telling the Time	30				✓
The Common Dolphin	33				✓
Pet Pals Please	34		✓		✓
Pen Pals Please	35				✓
Fiction Bands 0-5	17-20	[Read & Sp 00]	✓		✓
Non-Fiction Bands 0-5	20--22		✓		✓
Non-Book Bands 0-5	23-25		✓		✓
Stories in Maori	26-27		✓	✓	
Word Power	28		✓		
Signs Around Town	31			✓	✓
Cats' Eyes	32			✓	✓
An Elephant Story	33-35			✓	✓
Garage Sale	37				✓
Syllables	38		✓		
Reading & Speaking Survey	61			✓	
Job Application	46	[Writing 98]	✓		
Calendars	39	[Maths 97]			✓
Mr Dewey's Numbers	20	[Info Skills 97]			✓
Library Catalogue	24				✓
Water	26				✓
Children's Book of Knowledge	29				✓
Famous People	30				✓
Auckland Visit	31				✓
Phone Book Search	32		✓		✓
Chocolate Factory	35				
Garden Patch	36				✓

Strand	Page	NEMP Report	Curriculum Processes		
			EL	TC	PI
Written Language: Reading Functions Continued...					
Treaty Search	40				✓
Today's Weather	17	[GT&M 95]			✓
Museum Floor	19				
Weet-Bix Breakfast	22				✓
Air Timetable	23				✓
Calendars	39	[Maths 97]			✓
Swimming Pool Timetable	18	[GT&M 99]			✓
Best Value	19				✓
School Picnic	21				✓
Instant Desserts	30				✓
Written Language: Writing Functions					
My Place	15	[Writing 98]			✓
Me	18-19				✓
The Wishing Ring	20-21				✓
Santa	22-23		✓		
Birthday Story	24-25		✓		✓
A Tale of Two Donkeys	26-27		✓		✓
The Conversation	28		✓		✓
Making a Mask	32		✓		✓
Baby Giraffe	34		✓		
Bike For Sale	35		✓		
Party Time	36		✓	✓	
Fax Message	38		✓	✓	
Pen Pal	40		✓	✓	
Note Pad	42		✓	✓	
Bookshop Letter	43		✓		
Fun Club	44		✓		
Job Application	46		✓		
Coke	48		✓		
Spelling Check	54		✓		
How Fit?	17	[H&PE 98]		✓	
Choosing a Partner	34			✓	
Stapler	18	[Tech 96]		✓	
Popcorn Survey	36	[Tech 00]		✓	

Strand	Page	NEMP Report	Curriculum Processes		
			EL	TC	PI
Visual Language: Viewing Functions					
Skippy	25	[List & View 98]	✓	✓	
Looking Around	26				✓
Coca Cola	27			✓	✓
Pictures and Stories	28				✓
Robbers in the Night	29			✓	✓
Feelings	31		✓	✓	
Shortland Street	32		✓	✓	
Treasure Island	33				✓
Tourist Map	34-35			✓	✓
Eastland Brochure	36-37			✓	✓
Chocolate Factory	35	[Info Skills 97]			✓
Animal Parade	13	[Music 96]	✓		
Two Sculptures	43	[Art 95]		✓	
Two Paintings	45			✓	
Print Making Processes	47			✓	
Imaginary Forest	17				✓
Firebird Pastel and Crayon Drawing	23				✓
Landscapes	42	[Art 99]		✓	
Whakairo Raakau	44			✓	
Firebirds	46			✓	
Visual Language: Presenting Functions					
Telling an Anecdote	53	[Read & Sp 96]	✓		
Sticky Situations	54-55		✓	✓	✓
Firebird Pastel & Crayon Drawing	23	[Art 95]	✓		
Phone Jingles	14	[Music 96]	✓		
Answer Phone	15		✓		
Handwriting	52	[Writing 98]			✓
Rainy Day – Monotype Print	14	[Art 99]		✓	
Clay Model	19				
Teddy Pencil Drawing	25				
Cave Creature Crayon & Pastel Drawing	31				✓

MATHEMATICS

Strands: **Number**
 Measurement
 Geometry
 Algebra
 Statistics

Processes: **PS** **Problem Solving**
 LR **Developing Logic and Reasoning**
 C **Communication**

Strand	Page	NEMP Report	Curriculum Processes		
			PS	LR	C
Number					
Addition Facts	14	[Maths 97]			
Subtraction	14				
Multiplication Facts	15				
Division	15				
Maths Adviser	16			✓	
Number in Squares	18		✓		
Working with 1, 3, 4, 18	19				
Fractions	19				
Number and Word Problems	20		✓		
Number Items	23		✓		
Chocolate Bars	24		✓		
Calculator Tasks	24		✓		
Advanced Calculator Tasks	25		✓		
Decimals	25				
Measurement					
Money Bags	29	[Maths 97]			
Money Computations	29				
Burger Lunch	30		✓		
Money Items	31		✓		
How Much?	32		✓		
Discounts	33				
Map Measure	36			✓	
Floor Tiles	37			✓	
String Thing	38		✓		
Weigh-Up	38			✓	✓
Calendars	39		✓		
Boxes in Boxes	39		✓	✓	
Measurement Items	40		✓		
Bottles	42			✓	✓
Billy Goat's Pen	43		✓		
Shapes	43			✓	
Pulse	8	[Science 95]			✓

Strand	Page	NEMP Report	Curriculum Processes		
			PS	LR	C
Parachutes	10		✓		✓
Estimation	26			✓	✓
Letter Rates	13	[GT&M 95]	✓		
Tryathlon	16	[GT&M 99]		✓	
Rangi	17		✓		
Weekend Trip	20		✓		
Bay Express	23				
Camp Map	26		✓		
Ani's Place	29		✓		
Geometry					
Boxes in Boxes	39	[Maths 97]	✓	✓	
Billy Goat's Pen	43				
Shapes	43			✓	
Treasure Island	47				
Model Photos	48			✓	✓
Geometry Items	49				
Cut It Out	51				
Folded Box	51				
Shape Lines	52			✓	
Fruit Chart	14	[GT&M 95]			
Tane's Forest	15			✓	
Gift Soap	21	[Tech 96]	✓	✓	
Houses	27	[GT&M 99]		✓	
Map Key	46-47			✓	✓
Algebra					
Jumpers	55	[Maths 97]	✓		
Bear Mixes	56		✓	✓	
Algebra, Statistics and Logic Items	58		✓	✓	
Number Patterns	59			✓	
Signs	59				
Statistics					
Oranges and Bananas	57	[Maths 97]		✓	
Algebra, Statistics and Logic Items	58		✓	✓	
What's For Lunch	8	[GT&M 95]		✓	
Family pictures	9			✓	
Car Race	10			✓	
Kafte bar	11				
Women in Parliament	24			✓	
Staying On a School	25			✓	✓
Tuatara School Electricity	26			✓	
Biscuit Eating	27			✓	✓
School Sports	30				
Jelly Beans	31				✓
Ice Cream	34				✓
Caterpillars	36				✓
Golf Balls	37		✓		✓

Strand	Page	NEMP Report	Curriculum Processes		
			PS	LR	C
Super Frog Beepo	38				✓
Selling Chocolate	39			✓	
Weetbix Breakfast	22			✓	✓
Treats for Toni	14	[GT&M 99]			
Tim's Budget	15				
Maria's Day	19			✓	
Major NZ Exports	22				
Sleeping	23				
Holiday Drive	24				
Travel Times	27				
Birthdays	28				
What's Happening	31				
Choosing a Garment	32				
North Island, South Island	33				
Subject Pie	39				✓
Fruit Pictures	40				
Ana's Savings	41		✓		
Jo's Savings	42		✓		
Down at the Sea	44				
Smarties	47				
Eye Colours	49				

SOCIAL STUDIES

Strands: **Social Organisation**
 Culture and Heritage
 Place and Environment
 Time, Continuity and Change
 Resources and Economic Activities

Processes: **I Inquiry**
 V Values Exploration
 S Social Decision Making

Strand	Page	NEMP Report	Curriculum Processes		
			I	V	S
Social Organisation					
Drinking Fountain	19	[Social S 97]			✓
Working Together	22		✓		
Roller Blades	23		✓		✓
Parliament	24				
New Zealand Sports People	44	[Info Skills 97]	✓		
Culture and Heritage					
Ripeka	16	[Social S 97]		✓	✓
Stamps of New Zealand	28		✓		
New Zealand Flag	29		✓		
Marae	30				
Identity	32				
Spain	33			✓	
Mary Borg	14	[Info Skills 97]	✓		
Fire Fighters Project	16				
Project Questions	17		✓		
Poi	45	[H&PE 98]		✓	
Knuckle Bones	45				
Art in Social Contexts	44	[Art 95]			
Whakairo Raakau	44	[Art 99]		✓	
Place and Environment					
The Map	36-37	[Social S 97]			
Charting the Journey	38-39				
Where in the World	40-41		✓		
Knowing New Zealand	42				
Knowing the World	43				
Landscapes	44				
Treasure Island	47	[Maths 97]			
Weekend Trip	20	[GT&M 99]	✓		
Mexico	34		✓		
Map Key	46		✓		

Strand	NEMP		Curriculum Processes		
	Page	Report	I	V	S
Time, Continuity and Change					
Legends	14	[Social S 97]		✓	
Refugees	17				✓
Useful Machines	15	[Tech 96]			
Wahine	21	[List & View 98]	✓		
Resources and Economic Activities					
Fire Fighters Project	16	[Info Skills 97]	✓		
Timber Factory	42	[Tech 00]			

SCIENCE

Strands: **Making Sense of the Living World**
Making Sense of the Physical World
Making Sense of the Material World
Making Sense of Planet Earth and Beyond

Integrating Strands: **SSA Developing Scientific Skills and Attitudes**
NRT Making Sense of the Nature of Science and Its Relationship to Technology

Strand	Page	NEMP Report	Integrating Strands	
			SSA	NRT
Making Sense of the Living World				
Pulse	8	[Science 95]	✓	
Life Cycles	13		✓	
Planting Seeds	14		✓	
Estuary Ecology	15			✓
Classification	16		✓	
Keas and Albatrosses	17		✓	
What Eats What?	18		✓	
Creature Features	19		✓	
Knowledge Tasks	20			
Animals of the World	43	[Info Skills 97]	✓	
Insect Collage	29	[Art 95]		
Insect Head Collage	35			
Seed to Pine Tree	13	[Science 99]	✓	
Living World (Year 4)	13			
Living World (Year 8)	14		✓	
Finger Games	15		✓	✓
Growing in the Mighty Forest	16		✓	
Flounder	17		✓	
Animal Adaptation – Snail	18			
Animal Adaptation – Praying Mantis	18			
Kai Moana	19			
Birds	20			
Spiders	21			
Dinosaurs	21			
Animal Families	22		✓	
Making Sense of the Physical World				
Parachutes	10	[Science 95]	✓	✓
Mighty Magnets	23		✓	
Sound Chimes	24		✓	
Reflections	25		✓	
Estimation	26		✓	
Circuits	27			✓

Strand	Page	NEMP Report	Integrating Strands	
			SSA	NRT
Making Sense of the Physical World Continued...				
Batteries	28		✓	✓
Flowing Electricity	29		✓	✓
Knowledge Tasks	30			
Crane	17	[Tech 96]	✓	
Finger Games	15		✓	✓
Dropping Coins	26		✓	
How Does It Work (Egg Timer)?	27		✓	✓
How Does It Work (Thermometer)?	28		✓	✓
Physical World Questions	29			
Mystery Wires	29		✓	✓
Water Mix	30		✓	✓
Truck Track	31		✓	✓
Dead Mouse	33	[Science 99]	✓	✓
Flowing Electricity	34		✓	✓
String Ping	35		✓	✓
Marbles in Water	36		✓	
Travelling Trucks	37		✓	✓
Mixing Colours	38		✓	
Wonderful Water	39		✓	✓
Wheel Race	40		✓	✓
Disappearing Water	45			✓
Rods	46		✓	✓
Ball Bounce	32		✓	✓
Water Music	26	[Music 00]	✓	
Making Sense of the Material World				
Separating Mixtures	9	[Science 95]	✓	
What's the Difference?	33		✓	
Salt Solutions	34		✓	
Float or Sink	35		✓	
Tea Time	36		✓	
Bottle and Balloon	36			
Raincoats	37			✓
Acids Around the Home	38		✓	
Knowledge Tasks	39			
Crane	17	[Tech 96]	✓	
Bottles	42	[Maths 97]	✓	
Ball Bounce	32	[Science 99]	✓	✓
Emptying Rate	44		✓	✓
Candles in Jars	47		✓	
Chemical Muddle	47		✓	
Sugar Solutions	48		✓	✓
Powders	49		✓	
Balancing Balloons	50		✓	

Strand	NEMP		Integrating Strands	
	Page	Report	SSA	NRT
Making Sense of Planet Earth and Beyond				
Night and Day	42	[Science 95]	✓	
Weather	43		✓	
Landshape	44			✓
Knowledge Tasks	45			
Environmental Issues	53	[Science 99]	✓	✓
Planet Earth and Beyond Questions	54			
Natural Disasters	55			
Vege Peelings	56		✓	
Rocks	57		✓	
Sand Dunes	57			✓
Underground	58			
Space Address	58			
Night Sky	59		✓	
Daytime-Night-time	60		✓	
Acids Around the Home	38		✓	
Knowledge Tasks	39			
Crane	17	[Tech 96]	✓	
Bottles	42	[Maths 97]	✓	
Emptying Rate	44		✓	✓
Candles in Jars	47		✓	
Chemical Muddle	47		✓	
Sugar Solutions	48		✓	✓
Powders	49		✓	
Balancing Balloons	50		✓	

HEALTH AND PHYSICAL EDUCATION

Strands: **Personal Health and Physical Development**
Movement Concepts and Motor Skills
Relationships with Other People
Healthy Communities and Environments

Underlying Concepts: **WB Well-being, Hauora**
HP Health Promotion
AV Attitudes and Values
SP The Socio-ecological Perspective

Key Areas: **MH Mental Health**
SE Sexuality Education
FN Food and Nutrition
BC Body Care and Physical Safety
PA Physical Activity
SS Sport Studies
OE Outdoor Education

Strand	Page	NEMP Report	Underlying Concepts				Key Area
			WB	HP	AV	SP	
Personal Health and Physical Development							
Being Healthy	15	[H&PE 98]	✓				BC
It's Great to be Fit	16				✓		PA
How Fit?	17			✓			PA
Heart Beat	18						BC
Time to Relax	19		✓				BC
First Aid	20						BC
Healthy Food	21			✓			FN
School Lunches	22		✓			✓	FN
Smokefree	23					✓	MH
Win Win	26						SS
Keeping Safe	52			✓			OE
Fire Fire	50			✓			BC
Gone Fishing	51			✓			BC
Safety in the Home	53			✓			BC
Danger	54			✓			BC
Fire Safety Quiz	15	[Info Skills 97]	✓				BC

Strand	Page	NEMP Report	Underlying Concepts				Key Area
			WB	HP	AV	SP	
Movement Concepts And Motor Skills							
Ball Strike	39	[H&PE 98]					PA
Bean Bag Toss	39						PA
Bat and Bounce	40						PA
Jog Bat and Bounce	40						PA
Throw and Catch	41						PA
Small Ball Wall Juggle	41						PA
Cone Catch	42						PA
Ladder Activities – A	42		✓				PA
Ladder Activities – B	43						PA
Landing	43						PA
Balance	44						PA
Skipping	44						PA
Poi	45						PA
Knuckle Bones	45						PA
Game Plan	46						PA
Relationships with Other People							
A Really Good Friend	28	[H&PE 98]					MH
Bullies	29					✓	MH
Lionheart	30			✓			MH
Scaredy	31			✓			MH
Choosing a Partner	34						MH
Hard Time	36				✓		MH
Ripeka	16	[Social S 97]			✓	✓	
Healthy Communities and Environments							
Bad Temper	32	[H&PE 98]		✓			MH
Choices	33					✓	MH
Sports Time	35					✓	MH
Bullies	29					✓	MH
Choosing a Partner	34						MH
Hard Time	36				✓		MH
Lionheart	30			✓			MH
Ripeka	16	[Social S 97]			✓	✓	

TECHNOLOGY

Strands: Technological Knowledge and Understanding
 Technological Capability
 Technology and Society

Technological Areas: SM Structures and Mechanisms
 PP Production and Process Technology
 F Food Technology
 M Materials Technology
 IC Information and Communication Technology
 EC Electronics and Control Technology
 B Biotechnology

Strand	NEMP		Technological Areas						
	Page	Report	SM	PP	F	M	IC	EC	B
Technological Knowledge and Understanding									
Tool Time	14	[Tech 96]	✓			✓			
Crane	17		✓						
Stapler	18		✓						
The 10-in-One Gardening Tool	30					✓			
Phone Book Search	32	[Info Skills 97]					✓		
Art objects A	40	[Art 99]				✓			
Puppet Make-Up	15	[Tech 00]				✓			
Buzzer	16							✓	
Peg Basket	17					✓			
Taking Care	18				✓	✓			
Nut Cracker	22		✓		✓				

Strand	Page	NEMP Report	Technological Areas							
			SM	PP	F	M	IC	EC	B	
Technological Capability										
Tool Time	14	[Tech 96]	✓			✓				
Gift Soap	21									
Flag	22					✓				
Sports Bag	23					✓				
Planning a Class Event	24				✓					
Space Game	27							✓		
Coloured Sheep	28					✓				✓
Green Sheep	29					✓				
Boxes in Boxes	39	[Maths 97]			✓					
Folded Box	51				✓					
Nut Cracker	22	[Tech 00]	✓		✓					
Strawberry Patch	23					✓				
Quiz Board	24							✓	✓	
Guinea Pig House	26					✓				
Pet House	27					✓				
Light the Lights	28								✓	
Bear Box	30					✓				
Help Me Peel	32		✓		✓					
Chairs	35		✓			✓				
Popcorn Survey	36				✓					
Picture Stand	38		✓							
Photo Stand	39		✓							
Technology and Society										
Useful Machines	15	[Tech 96]	✓			✓				
Planning a Class Event	24				✓					
Coloured Sheep	28					✓				✓
Green Sheep	29					✓				
Telling the Time	30	[Read & Sp 96]						✓		
Timber Factory	42	[Tech 00]		✓						

THE ARTS

Disciplines: Dance
Drama
Music
The Visual Arts

Strands: PK Developing Practical Knowledge in the Arts
DI Developing Ideas in the Arts
CI Communicating and Interpreting in the Arts
UC Understanding the Arts in Context

Discipline	Page	NEMP Report	Curriculum Strands			
			CI	DI	UC	PK
Music						
Animal Parade	13	[Music 96]	✓	✓	✓	✓
Phone Jingles	14		✓	✓		
Answer Phone	15		✓	✓		
Keyboard	18		✓			✓
Sing Song	20		✓			✓
Team Machine	24					✓
Beat and Rhythm	25		✓	✓	✓	✓
Chooser	28		✓			✓
Chime Bars	29		✓			✓
Musical Patterns	30		✓			✓
Changes	32		✓			✓
Variations on a Theme	34		✓			✓
Words 'n Notes	36		✓			✓
D'Code	38		✓			✓
Musical Movements	40		✓			✓
Same or Different	42					
Sound Chimes	24	[Science 95]				✓
Line Music	15	[Music 00]		✓		✓
Radical Rhymes	16		✓		✓	
Boom Laka Laka Ting	18		✓	✓		
Vocal Sizzle	21		✓			✓
Echo Song	25		✓			✓
Water Music	26					✓
Coloured Keys	27					✓
Musical Sticks	30		✓	✓		
Musical Instruments	35			✓		
High to Low	36					✓
Rhythms	39					✓
Music in Style	42				✓	

Discipline	NEMP		Curriculum Strands			
	Page	Report	CI	DI	UC	PK
The Visual Arts						
Triceratops Pencil Drawing	11	[Art 95]		✓		✓
Imaginary Forest Painting	17		✓	✓		✓
Firebird Pastel and Crayon Drawing	22-27			✓		✓
Insect Collage	29		✓	✓		✓
Insect Head Collage	35		✓	✓		✓
Two Sculptures	43		✓		✓	
Art in Social Contexts	44		✓		✓	
Choosing a Picture	46		✓		✓	
Print Making Process	47		✓			✓
Rainy Day – Monotype Print	14	[Art 99]		✓		✓
Clay Model	19		✓	✓		✓
Teddy Pencil Drawing	25		✓	✓		✓
Cave Creature Crayon & Pastel Drawing	31		✓	✓		✓
Two Paintings	38		✓		✓	
Art Objects A	40		✓		✓	
Landscapes	42		✓		✓	
Whakairo Raakau	44		✓		✓	
Firebirds	46		✓			
Dance						
Team Machine	24	[Music 96]		✓		✓
Musical Sticks	30	[Music 00]	✓	✓		