

**Education Outdoors in New Zealand Schools:
Research Report to the NZ Ministry of Education**

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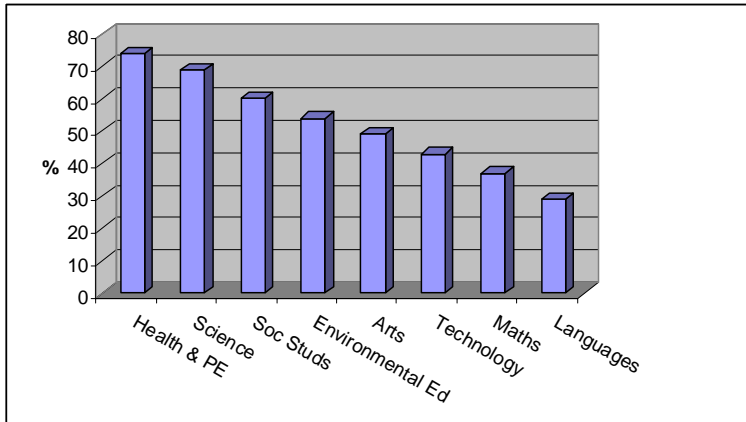
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A Current Practice – Primary Schools

1 Identify the curriculum areas where the outdoors is used to support your teaching

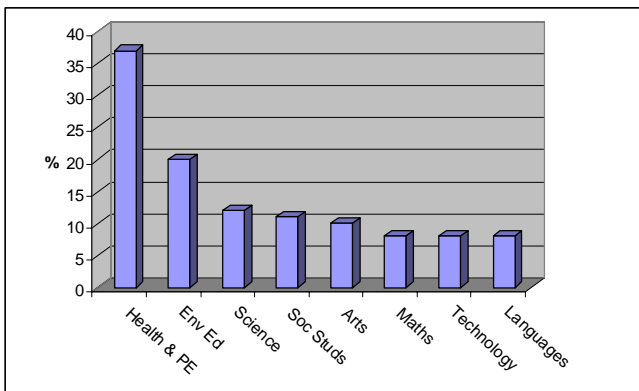
% of respondents (n = 140)

Health & PE	74
Science	69
Soc Studs	60
Environmental Ed	54
Arts	49
Technology	43
Maths	37
Languages	29



2 What % of each curriculum time is spent in the outdoors?

Health & PE	37
Environmental Ed	20
Science	12
Soc Studs	11
Arts	10
Technology	8
Maths	8
Languages	8



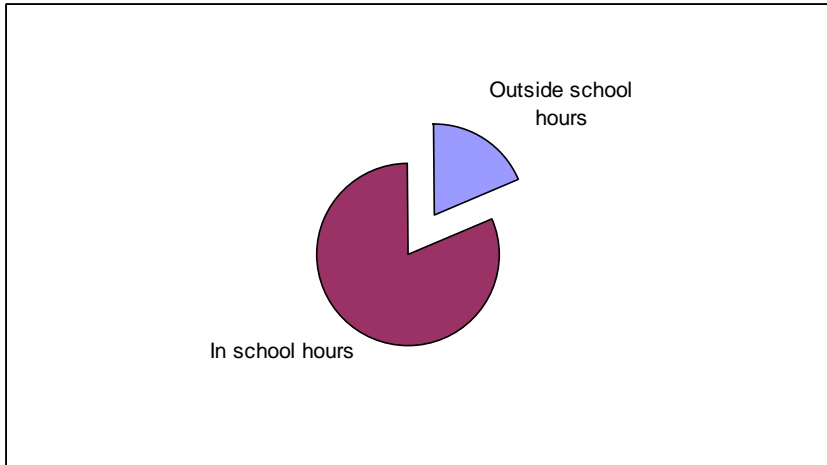
3 Examples of outdoor education experiences across the curriculum

abseiling (2)	env. studs (5)	music	skating (2)
activity week	estuary (2)	musical	skiing (3)
Antarctica centre	experiential trips	national park	sleepovers (2)
aquarium	explorer award	night walks	snorkeling
art gallery	farm trips (3)	old folks home	snow
arts (7)	field trips (2)	orchard	soc studs (2)
athletics (2)	gardening (3)	orienteeing (3)	social service
Auckland	Gardens	outdoor ed	sport (8)
basketball	Glacier	outdoor projects	sports days/trips (13)
beach (5)	golf (2)	outdoor skills	stream
bike riding	Govt house	overnights (6)	surfing
bike safety	group skills	overseas trip	swimming (16)
bird reserve	Gymnasium	parks (2)	Tangihanga
boat design	Gymnastics	patika	Te Papa (4)
botanical gardens	health (3)	PE (2)	Te Wera
bush visits/study (7)	high zone	picnics (2)	technology
bush walking	Hikoi	planetarium	tent pitching (2)
business visits	history (3)	pool	tramping (5)
camp (52)	hobo stoves	post office	tree planting
camping (3)	horse riding	rafting	trips away
campout	Karori sanctuary	recreation ed.	university
Carter observatory	kauri logging	recycling	urban camp
caving	kayaking (6)	river conservation	walkathon
cemetery	Language	road safety	walking (4)
city visits	library (3)	rock climbing (2)	water testing
class visit	life saving	rocky shore (8)	water wise (2)
climbing walls	local env.	ropes course (2)	waterways
community cleanup	local trips (2)	Rotorua	Wellington (2)
community visits (2)	Maori culture	running	wet lands
concerts	Marae (3)	safe crossings	wind surfing (2)
cooking	maths (2)	sailing (2)	zoo
cross country (3)	Mines	school community	
day camp	mini-beasts	school env.	
day trip/visits (6)	Mountaineering	science (4)	
drama	Mountains	science alive	
Eltham	museum (5)	ship visits	

Number in brackets = times mentioned

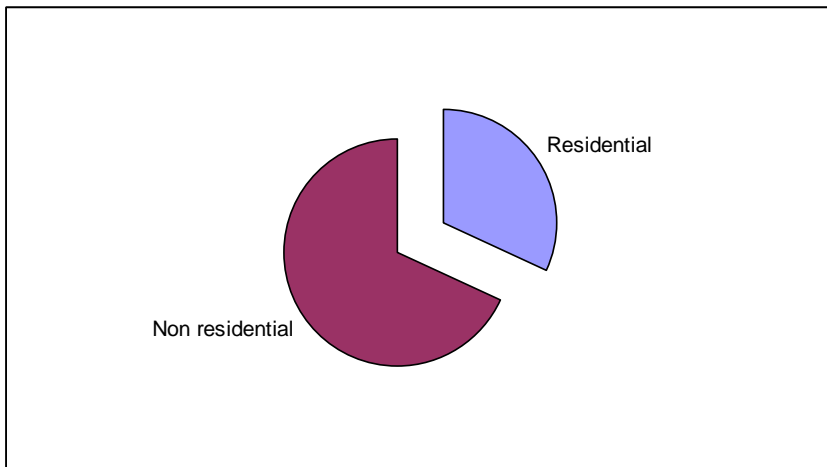
4 % of the programme that runs outside school hours

Outside school hours – mean 19.34%; sd 20.96, n = 104



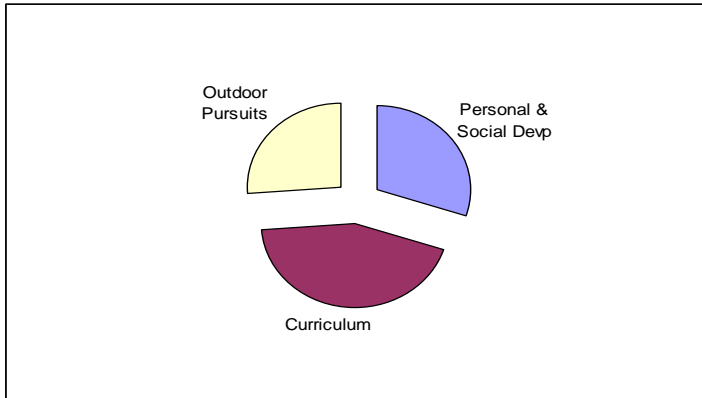
5 % of OE programme that is residential

Residential component: n = 107, mean 32.24, sd 30.44,



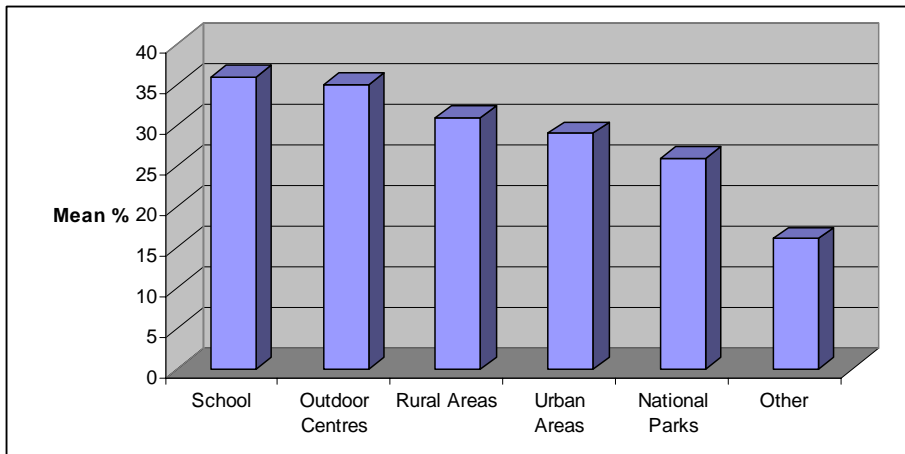
6 General Focus of the Programme

Curriculum: n = 129, mean 56.55, sd 29.66; Personal & social: n = 130, mean 38.66, sd 27.46; Outdoor pursuits: n = 129, mean 33.52, sd 22.57.



7 Where does your programme mainly take place?

School: n = 110, mean 35.93, sd 26.61; Outdoor Centres: n = 72, mean 35.22, sd 28.74; Rural areas: n = 99, mean 30.72, sd 24.51; Urban areas: n = 87, mean 28.97, sd 22.77; National Parks: n = 72, Mean 26.17, sd 20.00; Other: n = 13, mean 16.23, sd 12.40.



Other locations for the programme

beach (4)	institutions	mountain	visits
botanical gardens	leisure centre	planetarium	youth centre
cemetery	library	post office	zoo
coastal (2)	local community	theatres	
industry	marae	urban camp	

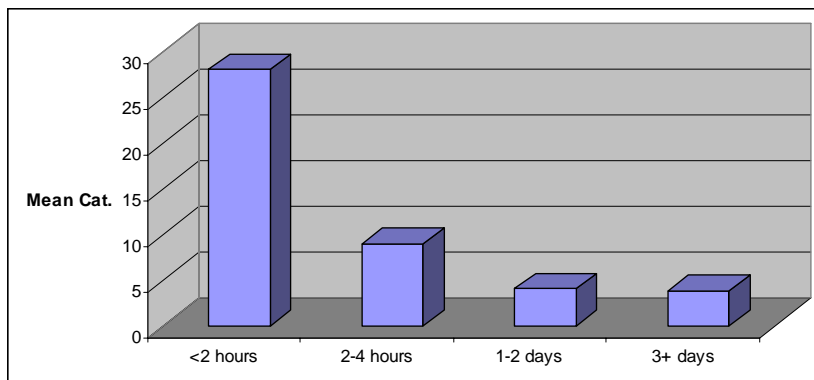
B Current Practice – Secondary Schools

1 Examples of Activities

ABL (2)	English field trips	outdoor pursuits (5)	snowcraft
Abseiling (3)	field trips (5)	overseas trips	social studs (4)
aquatics	first aid (2)	PE (3)	special needs
archery	Geog field trips (8)	peer support	spirit of adv
army museum	high ropes	personal development	sports activity
Auckland	history trips (4)	rafting (5)	sports exchange
beach (2)	horse riding	Rangitoto	sports management
beach cleanup	institutional visits	retreats	sports science
bike safety	kayaking (14)	river crossing	sports trips (2)
Biology field trips (5)	lakes (2)	river safety	swimming
Borland lodge	language camp	river studs	Te reo field trip
bouldering	leadership (3)	river trips	team building
bush walks	leadership trips	rock climbing (4)	Tongariro
bushcraft (4)	Maori trips (3)	ropes course (4)	tramping (12)
camp (32)	marine labs	rural skills	volcanic processes
camping (4)	Maths field trip	sailing	water safety
careers	meals out	SAR	work experience
caving (2)	mountain biking (9)	science (4)	Young NZ challenge
climbing (8)	mountaineering	sea kayaking	zoo
commerce studs	multisport	self defense	
cooking	museums (2)	shooting	
cross country	navigation	ski trips	
deer farm	netball	skiing (13)	
Duke of Ed (2)	OPC (8)	sleepovers	
ecological studies	orienteering (3)	snorkeling	
economics trips (3)	outdoor ed (2)	snow boarding	

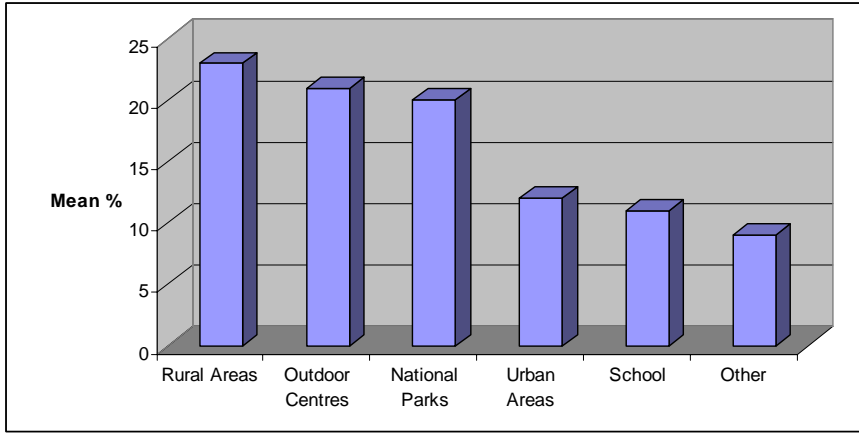
2 Duration of Outdoor Experiences

< 2hours: n = 13, mean 28.15, sd 75.92.; 2-4 hours: n = 16, mean 9.37, sd 10.71; 1-2 days: n = 20, mean 4.05, sd 3.14; 3 + days: n = 38, mean 3.89, sd 5.59



3 Where does the programme mainly take place? (Y/N)

N = 35; Rural 23, Centres 21, National Parks 20, Urban 12, School 11, Other 9.



Other Locations of the Programme

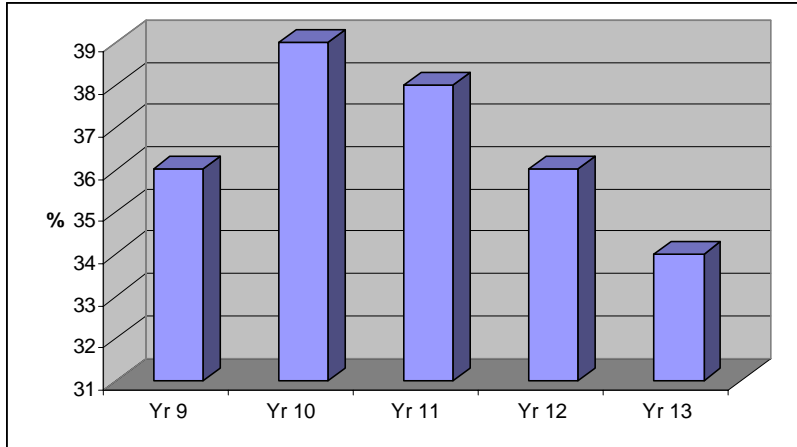
- | | |
|-----------------------|--------------------------|
| beach | Reserves |
| commercial businesses | ski areas |
| farms | West Coast State Forests |
| lakes | Workplace |
| New Caledonia | youth camp sites |
| OPC | |

4 Programmes running outside of the curriculum

- | | | |
|----------------------|------------------|------------------------------|
| basketball | marine studies | Spirit of Adventure |
| camps | Maths | Sports teams |
| canoe polo | OPC | sports teams (international) |
| climbing club (2) | Outdoor ed club | swimming |
| dive academy | outdoor pursuits | tramping clubs (6) |
| Duke of Edinburgh | outdoors club | unit standards |
| enrichment programme | Outward Bound | Young NZ'ers challenge |
| experiential camps | Running | |
| kayak club (3) | skiing trips (4) | |
| leadership camps | Snowboarding | |

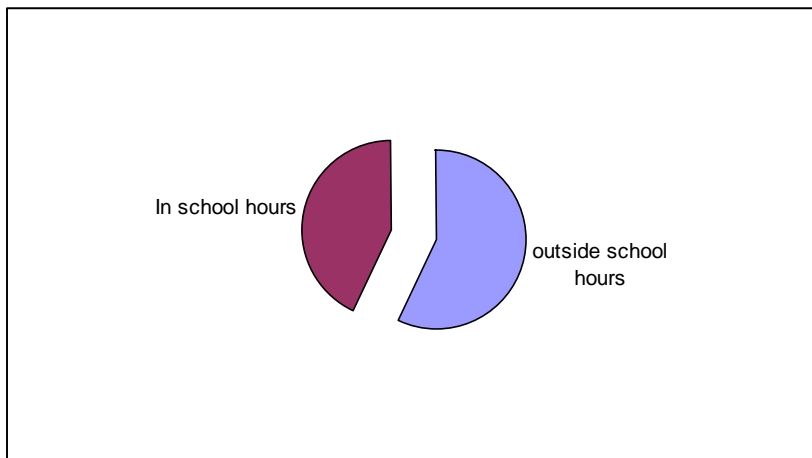
5 % of the programme that runs outside school hours

Yr 9: mean 36.47, sd 35.35, n = 17; Yr10: mean 39.00, sd 33.83, n = 19; Yr11: mean 38.50, sd 37.36, n = 14, Yr12: mean 35.79, sd 31.67, n = 19; Yr13: mean 33.63, sd 30.96, n = 16.



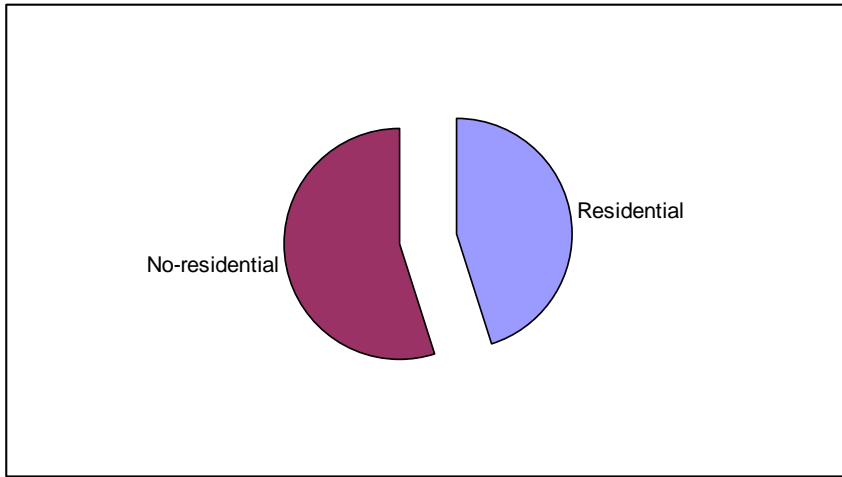
% of OE programme running outside school hours across the year levels

Out of school – 57%, in school 43%



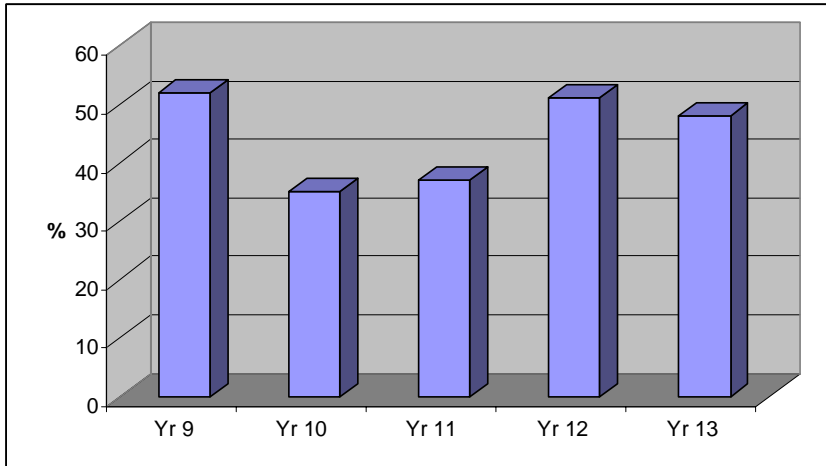
6 % of programme that is residential

Residential – 45%, non residential – 55%

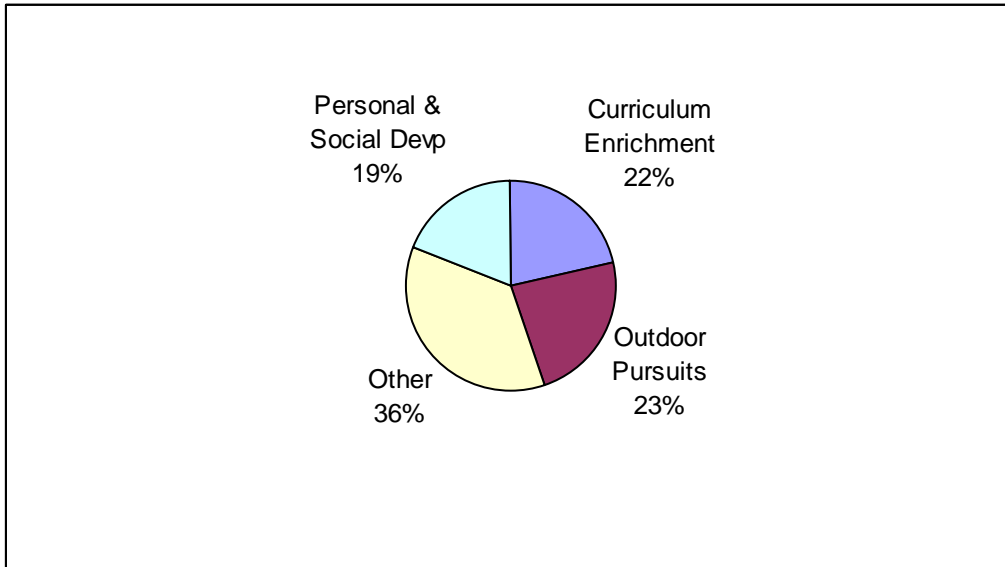


Breakdown by year groups

Yr 9: mean 52.5, sd 44.89, n = 12; Yr10: mean 35.50, sd 42.78, n = 10; Yr11: mean 37.14, sd 44.99, n = 7, Yr12: mean 51.43, sd 40.31, n = 14; Yr13: mean 48.5, sd 34.00, n = 10.



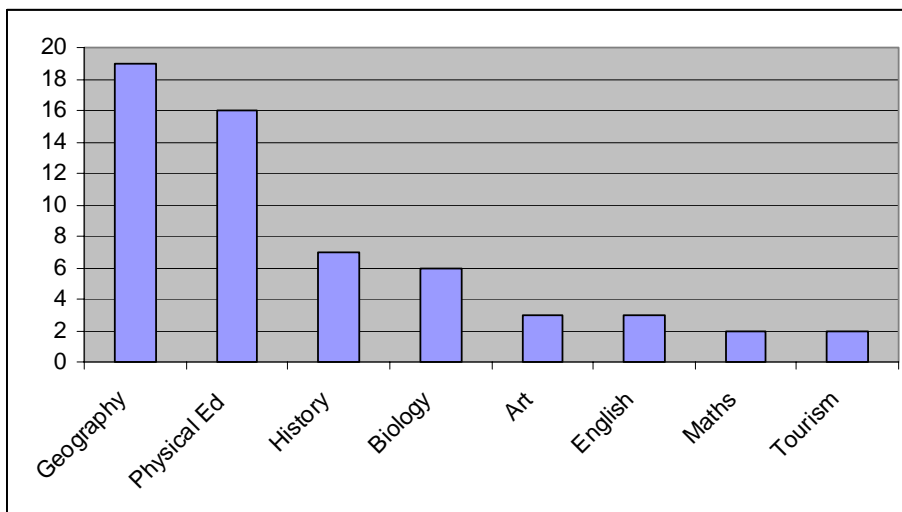
7 Programme Focus



8 National Certificate of Educational Achievement (NCEA) Learning Areas using the Outdoors as a Learning Medium

Art (3)	Geography (19)	Physics
Biology (6)	History (7)	Science
Construction	Maori	Soc Studs
Drama	Maths (2)	Technology
Economics	Outdoor Education	Tourism (2)
English (3)	Physical Ed (16)	

Frequencies



9 Examples of typical NCEA outdoor activities by subject area

Geography	PE	History
River study (2) Field trips (3) National Park study Research project – data collection Research project Beach stats Glacier studies	Mountain biking (2) Kayaking Aquatics Sea kayaking High ropes course 2 day tramp Snorkeling Ball skills & team skills Tramping Orienteering Indoor climbing Mountaineering Abseiling Pursuits	Small towns Field Trips Research projects
Biology	Art	Tourism
Seashore Mountain environment studies Tramping Bush studies Traverse surveys	Mountain study Field trips	Small town study
Maori	Economics	Science
Marae visit	Field trip	Field trips

10 Outdoor NZQA Units Offered

Unit No.	Area	Title
Qual 2.2	Skiing & snowboarding	?
2.8 (2)	Risk management L2	?
220	Adventure based learning	?
267	Plastics production L2	Simple tooling for thermoforming
425 (2)	Tramping L2 C3	Experience day tramps below the snowline
426 (2)	Tramping L2 C3	Experience camping
427	Tramping L3 C2	Cross rivers
430	Tramping L3 C4	Survive in an outdoor environment
431 (3)	Outdoor navigation L2 C4	Navigate in good visibility on land
440	Mountaincraft L2	Demonstrate mountaineering skills
443	Mountaincraft L2 C2	Demonstrate skill on ropes, knots, anchors & belays for mountaineering
444 (3)	Rock climbing L2 C1	Demonstrate basic rock climbing movement
445	Rock climbing L2 C3	Demonstrate top roped climbing & abseiling on single pitches
457	Mountain biking L2 C3	Mountain bike on intermediate to expert terrain
458	Cycle touring L2 C3	Demonstrate mountain biking skills
467 (2)	Adventure based learning L2 C3	Demonstrate personal and social development through participation in adventure based learning
470	Adventure based learning L2 C3	Demonstrate personal and social development through participation in low ropes course activities

473	Adventure based learning (2) L2 C3	Demonstrate personal and social development through participation in high ropes course activities
476 (4)	Canoeing – kayaking L2 C3	Roll a kayak
477	Canoeing – kayaking L2 C3	Demonstrate kayaking skills on sheltered / slow moving water
478	Canoeing – kayaking L3 C10	Demonstrate kayaking skills on grade 2 water
485	Rafting L2 C2	Demonstrate rafting skills on sheltered or slow-moving water
492	Canoeing – kayaking L3 C3	Demonstrate river rescue skills for kayaking & canoeing on grade 2 water
1307	Interpersonal communications L3 C3	Present ideas and information orally to a specified audience in a predictable situation
6400	Core health L2 C3	Manage first aid in emergency situations
6401	Core health L2 C1	Provide first aid
6403	Small business management L3	Produce preliminary assessments of small business enterprise opportunities
13352	Physical education L2	Participate in outdoor pursuit activity
18663	Environmental education L2	Demonstrate knowledge of and apply sustainable environmental management practices in the workplace
20152	Rock climbing L1	Experience and complete abseiling sessions
?	Employment skills	?
?	Equine Skills	?
?	L2 skiing	?

10 Belief Statements about NCEA

To what degree are the following statements true about NCEA?

- 4 = very true
- 3 = true
- 2 = sometimes true
- 1 = not true

	n	Mean	sd
Our OE programme has increased recognition in the school with NCEA	28	2.14	1.24
We are able to offer a broader range of OE opportunities with NCEA	28	1.82	1.19
Our OE NCEA programme has become more pursuits focussed	26	1.79	1.11
CEA has increased the outdoor education programme	30	1.73	1.11
We have better access to resources since the introduction of NCEA	28	1.46	.96

C Beliefs & Values

To what extent do you agree with the following statements:

1 = strongly disagree 2 = Disagree
 3 = Neither 4 = Agree
 5 + Strongly agree

	N	Mean	SD
OE can enrich all curriculum areas	179	4.64	.48
OE is a fun teaching & learning medium	178	4.53	.56
Outdoor teaching often requires specialised knowledge & skills	174	4.23	.73
Outdoor activities should be taught by progressions	177	4.20	.71
The outdoors is ideal for promoting aesthetic appreciation	173	4.15	.64
There is a place for one-off adventure experiences	176	4.09	.80
Red tape is making teaching in the outdoors more difficult	178	4.04	1.04
OE is the best medium for teaching environmental education	175	4.02	.81
I feel sufficiently qualified and experienced to teach outdoor education	175	3.94	.82
We have become preoccupied with safety	177	3.90	.98
OE is an ideal medium for students to become socially critical	172	3.88	.81
OE is best thought of as a teaching methodology	161	3.68	.83
Assessing student outcomes is a neglected area in OE	176	3.43	.94
OE is based substantially in the Health & PE curriculum	172	3.29	1.08
OE is mainly focused on outdoor pursuits	172	3.19	1.09

Secondary teachers rated these items higher than the primary teachers:

Specialized knowledge (1(172), $F = 5.528$, $p < .02$;
 One off adventures: (1(174), $F = 8.95$, $p < .003$;
 Qualified and experienced: 1(173), $F = 10.706$, $p < .001$
 Primary rated OE in the HPE Curric: 1(179), $F = 4.242$, $p < .041$.
 No gender differences

D Learning Outcomes

Please indicate to what degree you feel OE can achieve the following learning outcomes for students:

- 1 = not important
- 2 = of some importance
- 3 = important
- 4 = very important

	N	Mean	SD
Group co-operation	173	3.82	.44
Improved self esteem	174	3.72	.50
Consideration for others	175	3.71	.50
Safety knowledge	174	3.71	.52
Increased self responsibility	174	3.66	.52
Social & communication skills	174	3.66	.51
Problem solving	175	3.56	3.07
Leadership	175	3.52	.56
Environmental knowledge & appreciation	172	3.51	.59
Survival skills	175	3.38	.69
Recreation / leisure skills	173	3.31	.74
Critical thinking	174	3.29	.70
Environmental action	171	3.16	.72
Physical fitness	175	3.15	.73
Cultural/ethnic understandings	173	2.97	.72
Tikanga maori	173	2.55	.81
Data gathering & analysis	171	2.54	.86
Spirituality	173	2.51	.90

No gender differences

Primary / Secondary differences

Primary rated physical fitness higher: 1(173), $F = 7.346$, $p < .007$

Secondary rated problem solving higher: (1(173), $F = 4.045$, $p < .046$

E Barriers to Teaching OE Programmes

Indicate the degree to which the following barriers are relevant to your teaching in the outdoors:

- 1 = not at all;
 2 = sometimes;
 3 = often;
 4 = regularly

	N	Mean	SD
Costs of programme	178	2.89	.89
Crowded curriculum	176	2.81	.90
Demands on staff personal time	176	2.72	.87
Emphasis on safety	177	2.48	.93
Paper work	176	2.45	.86
Finding appropriate staff	178	2.43	.84
Risks involved in practice	177	2.37	.81
Class size	174	2.23	.80
Expense of updating qualifications	172	2.15	.93
Lack of resources	175	2.01	.75
Staff – student ratios	175	2.01	.75
School perceptions of OE	175	1.71	.86
Inflexible school timetables	173	1.71	.87
Lack of suitable venues	175	1.55	.63
Students absences	167	1.52	.76
Staff absences	174	1.49	.76
School rules	173	1.43	.76
Lack of student interest	175	1.34	.60

Primary / Secondary Differences

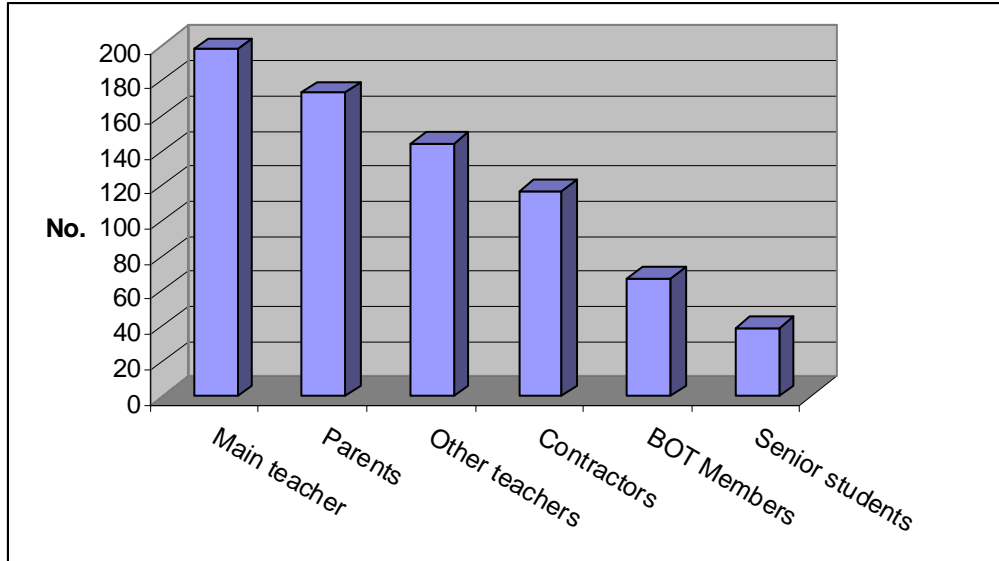
Secondary rated these barriers higher:

- Timetables: 1(171), $F = 21.925$, $p < .001$
- Student interest: 1(173), $F = 4.897$, $p < .028$
- Rules: 1(171), $F = 6.134$, $p < .014$
- Staff absences: 1(172), $F = 31.975$, $p < .001$
- Ratios: 1(173), $F = 10.385$, $p < .002$
- Students absences: 1(165), $F = 30.944$, $p < .001$

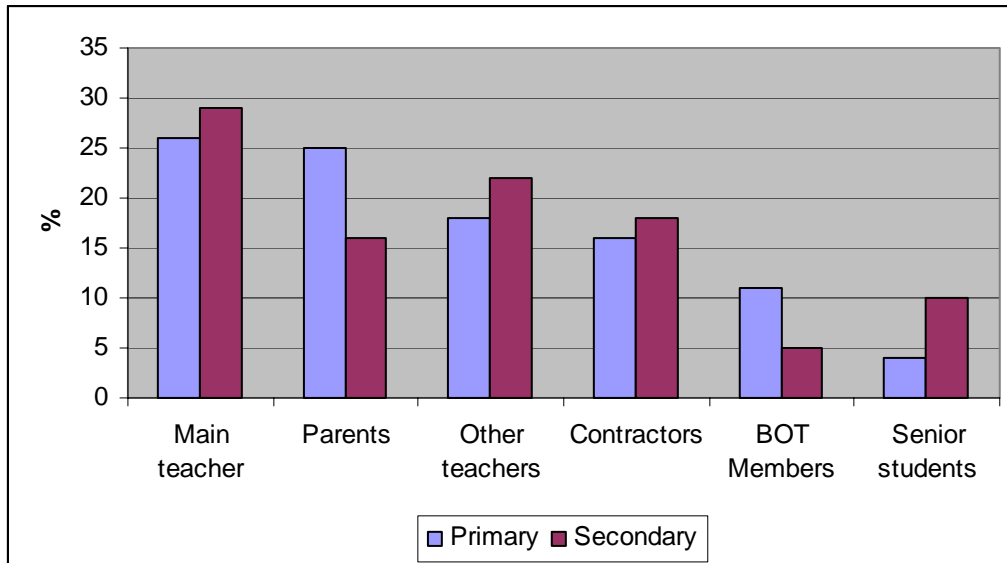
Gender differences - Males saw student absences as more of a problem than females: 1(62), $F = 5.616$, $p < .019$.

F Staffing

1 For a typical outdoor learning experience, specify the makeup of the staffing team...



Comparison of Primary & Secondary Teams



2 Degrees / Diplomas

(a) Primary Teachers

Adv. Dip Tchg (9)	B.Tchg (9)	Dip Outdoor Rec	MBA
B Ag. Sci.	BA (8)	Dip Sports	PGDip Tchg
B Soc Sci (2)	BMS	Dip Tchg (47)	Trade Cert
B Theology	BSc (3)	Higher Dip Tchg (3)	Trained Teachers Cert (10)
B.Ed (34)	Dip Ed (7)	M.Ed	
B.Eng	Dip Fine Arts	MA	

(b) Secondary Teachers

B PhEd (3)	BLS (2)	Dip Parks & Rec	M.Ed
B Tchg	BSc (3)	Dip PE (8)	MPhEd
	Cert Sport & Rec		
B.Ag		Dip Rec & Sport (2)	MSc (2)
B.Ed (7)	Dip Ed Admin	Dip Sch Man	NZAHPER Dip
BA (6)	Dip Ed Man	Dip Sport & Leisure	PGDip (Sports Man)
Bed (PE) (2)	Dip OE	Dip Tchg (16)	TTC (8)

3 Professional Outdoor Qualifications

(a) Primary Teachers

ASTU EOTC (2)	MSC Abseil	NZOIA Alpine 1	Queen scout
ASTU OE (2)	MSC Bush (2)	NZOIA Kayak 1	Radio operator (1)
Civil Defense	MSC Firearms	NZOIA Rock 1	RLS CPR
Counseling	MSC Leadership	OPC Course	RLS water safety
Exp Ed paper	NZ Police first aid	Outdoor first aid	Royal Life Saving
First Aid Cert (23)	NZ Yachting Instructor	PADI Scuba diver	SAR (2)
Lifesaving Instructor	NZAHPER Diploma	Police SAR	

(b) Secondary Teachers

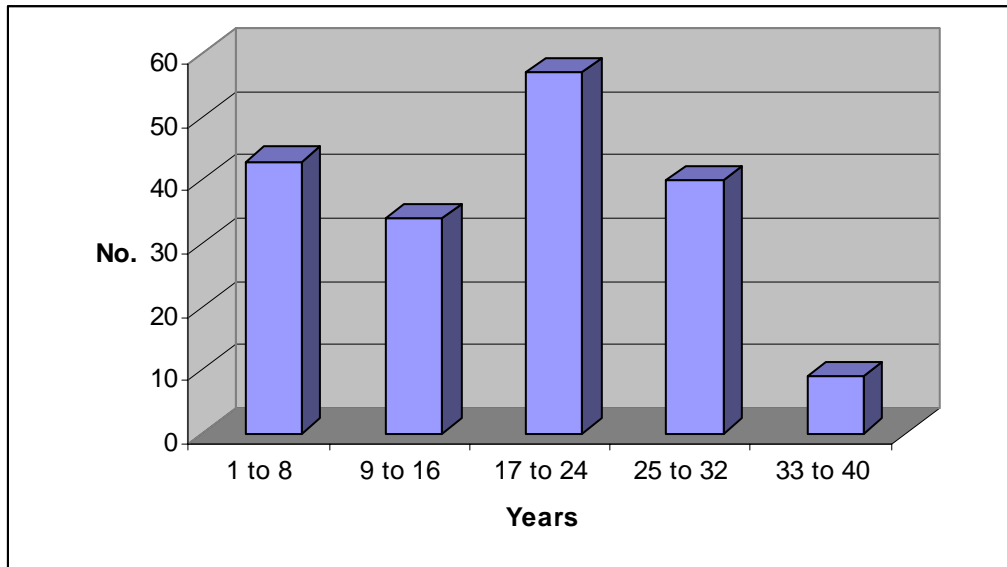
ASTU OE	Mountain training (UK)	NZOIA Bush 1 (3)	Outdoor First Aid
CADS Cert (disability)	MSC Abseil (2)	NZOIA Kayak 1	PANZ course
			Rescue Instructor
CPR Instructor	MSC Alpine 2	NZOIA Kayak 2	Cert
			Risk management
Dip Outdoor Ed	MSC Bush (4)	NZOIA Rock 1 (2)	(2)
EONZ Outdoor 1	MSC Outdoor leader	NZQA life guard	Sailing Instructor
			Single pitch
First Aid cert (11)	NZ Canoe Assoc (2)	NZQA surf life	climbing (UK)
Indoor climbing	NZ Community coach	OE Course	Ski Instructor 1
Life saving cert	NZ Pony club Instr	OE Specialisation	Skiing Instructor
Mountain Leadership Cert	NZOIA Alpine 1	Outdoor 1 (2)	Surf Lifeguard

4 How many years have you been taking groups into the outdoors?

Mean 17.52, sd 9.56, n = 184

No Primary / Secondary differences: $F(1,163) = 1.023, p > .313$.

Gender – males more than females: $F(1,172) = 9.73, p < .002$



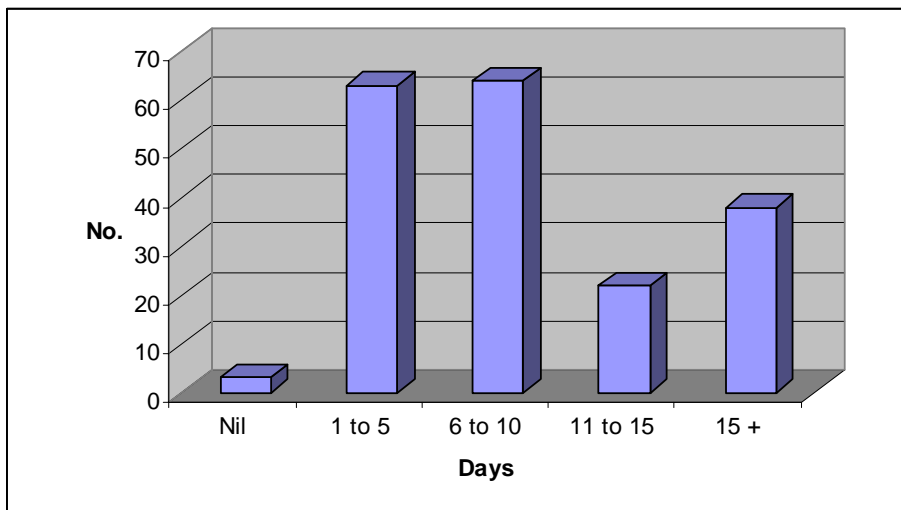
5 How many days a year do you spend with groups in the outdoors?

Defined: 4 hr + session or 4 x 1 hrs aggregated

Mean 3.15 (category 6-10 days), sd 9.56, n = 184

Secondary spend more days than primary: $F(1,165) = 17.974, p < .001$

No gender differences - $F(1,175) = 3.328, p > .070$.



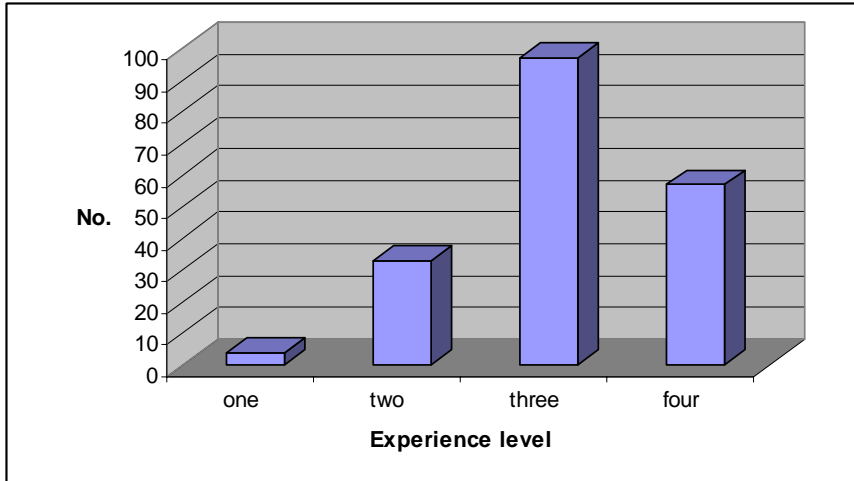
6 Self rated experience levels

Based on a Likert scale: 1 – inexperienced to 4 = experienced

Mean 3.08, sd .74, n = 191

Secondary rated themselves as more experienced: $F(1,168) = 12.904, p < .001$.

Gender – males rated themselves higher $F(1,179) = 11.023, p < .001$.



7 Main Areas of Expertise

ABL (2)	EOTC Progs (3)	Mountains (3)	Running (2)
Abseil	Field trips	Multi sport	Running camps (2)
Alpine tramping	Firearms	Navigation (3)	Sailing (3)
Aquatics (2)	First aid (10)	Noho marae	Science (8)
Archery	Fishing (2)	NZCA Officer	Scouts
Art	Geography (3)	OPC	Sea
Behaviour Man.	Guide camps	Org. camps (6)	Skiing (7)
Biology	History of NZ	Orienteering (3)	Snowboarding
Boating (3)	Horse treks (2)	Outdoor cooking	Sports (5)
Bush (2)	Hunting (8)	Outdoors	Surfing
Bushcraft (9)	Kaitiaki-o-te-ngahere	Outward Bound (2)	Survival skills
Camps (125)	Kayaking (25)	Overseas trips	Swimming (5)
Climbing (6)	Kiwisport	PE (4)	Tramping (57)
Cub leader	Leadership (2)	Rafts (2)	Trips (2)
Disability camps	Life saving	Residential Tchg	Winter sports
Diving (4)	Marae	RMT (3)	Winter sports (3)
Earth sci (3)	Mountain biking (9)	Ropework	Woodcutting
Environment (3)	Mountaineering (3)		

8 What courses of your pre-service teacher training are relevant?

Abseiling	EONZ seminars	Mountaineering	Resuscitation
AST Teaching outdoors (2)	EOTC course	MSC courses (2)	Rock climbing
Bushcraft (6)	EOTC Ministry	MSC Planning	Running camps
Camp leadership	course	OE at T.Coll (4)	Risk/Safety Man. (54)
Camp Org	First Aid (69)	OE Course	Survival skills
Camps	Fitness	Orienteering (12)	Swimming (3)
CE Outdoor courses	Geography	Outdoor curric devp	Swimsafe
Challenge activities	Kayaking (4)	Outdoor practise	Water safety
Civil defence	Kiwisport	PE Course (10)	Water survival
Climbing	Maori	PE major	
Creative writing	Maths & Physics	Planning (4)	
Environ. Maths	Medical stuff	Pracs at PE	
	Mountaincraft (2)		

9 Detail any OE related courses you have attended in the last 3 years

ABL	First aid (43)	MSC Outdoor 1	River safety (2)
Abseiling	Geography	MSC Snowcraft	Science
Bushcraft (3)	High ropes	Navigation	SFRITO (2)
Canoe skills	Kayaking (7)	NZOIA seminars	STA workshop
CPR	Low ropes	Orienteering (2)	Surf Guard
Day skipper	Maori	Outdoor 1	Surf Life Instructor
DOC Camp	Marine Medicine	Outdoor Ed	Swimsafe
Environmental Ed	Mountaineering	PE	TOPEC
EONZ Courses (5)	MSC Abseil	PE Conference	Tracking
EONZ Marine reserves	MSC Alpine (2)	Planning (2)	Tramping
EONZ planning	MSC avalanche	PNTC	Water safety
EOTC Course (29)	MSC Bush (2)	Risk/Safety Man. (35)	

10 Identify some professional development opportunities you would like to attend

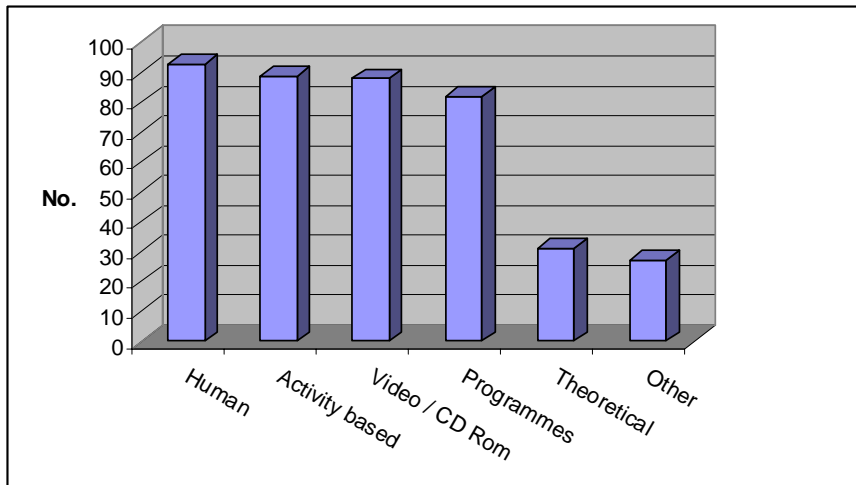
Abseiling (6)	First aid (4)	Planning & implementation
Activities in EOTC	Geog in NCEA	Practical courses (2)
Advanced first aid	High ropes (2)	RAMS
Art in the outdoors	HOD days	Refresher first aid
bush 1 assessment	Induction programmes	Required paper work
Bushcraft (4)	Integrating camps into the curriculum	River rescue
Camp activities & org	Integration across the curric	Rock climbing (4)
Camp for juniors	Kayaking - river & sea	Safety management (15)
Camp planning	Kayaking (10)	Sailing
Camps	Kayaking L1 (2)	Signing over responsibility
Camps & trips	Keeping up to date	Site based sessions
Canoe	Large group management	site visits

Checking contractors quals	Managing helpers & parents	Snorkelling
Encouraging chn. to take risks	Mountain safety	Teaching swimming
Climbing (2)	Mountaineering	Theory review
Cluster meetings	Navigation	Top roping
Contractors	OE for ESL students	Tramping (2)
Cooking ideas	OE scholarship	Updates
Co-ordinators courses	Orienteering	Use of local areas
Determining levels	Outdoor pursuits	Using polytech students
Environmental Ed	Outdoor workshops	Water safety
EOTC camps (2)	Outdoors 1 (3)	Water skills
Exercise workshops	Personal devp	

G RESOURCES

What resources would help you deliver your programme?

Note: The numbers in the graph and in brackets signify the number who ticked the need for this kind of resource plus those who made specific suggestions.



1 Activity based resource material (89)

- | | |
|-------------------------------|-----------------------------------|
| Activity sheets | Night activities |
| All pursuits | NZ focus |
| Beach education | Outdoor games |
| Best practice bush activities | Practically tested ideas |
| Block line masters | Problem solving activities |
| Blue MOE book | Problem solving activities |
| Bushcraft | Provider resources |
| Child friendly stuff | RAMS resources |
| Climbing | Resource lists |
| Confidence development | Safety & EOTC |
| Curriculum based | Safety programming learning books |
| Curriculum camp book | Safety resources |
| Environmental activities | SAR for kids |
| Games | Science based |
| Kiwi outdoors (2) | Sea related |
| Local cultural history | Specific to content areas |
| Mountain safety | Trust games |
| MSC books | Updated manuals |
| NCEA components | Wet weather activities |

2 Video / CD Rom Resources (88)

Activities	NCEA components
Activities for school camps	New MSC videos
All pursuits	Orienteering
Borrow or purchase lists	Pre - camping
Camp sites video	Rafting
Climbing	River crossing
Examples of best practice	Rocky shore
Fun ways of doing	Safety (8)
Hypothermia & tramping	Safety in EOTC video
It was only a tramp	Special interest groups
Kayaking	Specialist skills
Local culture & history	Student safety
Lost in the bush	Surf safety
Marine reserves	Survival case studies
Mini -incidents	Teaching skills in the outdoors
Mountain biking	Team building challenges
Mountain safety	Tramping & camping
MSC	TV clips of incidents
Natural history	Updated river crossing

3 Programme Outlines & Guides (82)

A curriculum document	Programmes matched to sites
As per levels	Relevant areas
Curriculum oriented maps	Safety & EOTC
Examples for other schools	Safety procedures
First aid courses	Sandy shore
Integrating OE across the curriculum	School camp best practice
Lesson plans	Science based programmes
Maps	Support documentation
MOE Safety & EOTC (2)	Staff development
MSC brochures programme	Standardised letter forms
National parks	Templates of material
Outdoor activities	Time schedules
Outlines	Unit plans
Outside providers	Update & review everything

4 Theory & research based (31)

Conservation issues
 How emergency people work
 Marine reserves

Research skills in OE
Search
Year 13 text book

5 Human Resources (93)

Advisory service support	Qualified instructors (2)
Affordable instructors	RAMS folks
All teachers should have Outdoor 1	SARS for kids
Canoeing & sailing instructors	School based Admin person
DOC support	Skilled instructors
Experienced people	Skilled personnel
Experts	Skilled staff
Extensive use of people	Specialised accredited providers
Local community	Specialist contractors
MOE funded person	Specialist instructors
More parent involvement	St Johns
MSC people	Staff with experience
OE management people	Staffing relief
OE Teachers & assistants	Support from outside
OE trained officers	Surf life
Outdoor pursuits people with quals	Teacher training
Parent helpers, supervisors & coaches	Time allocation for planning
People with appropriate expertise & experience (2)	Trained people
Polytech, high school & MSC instructors	Training in activities
Private contractors	Utilise COE personnel

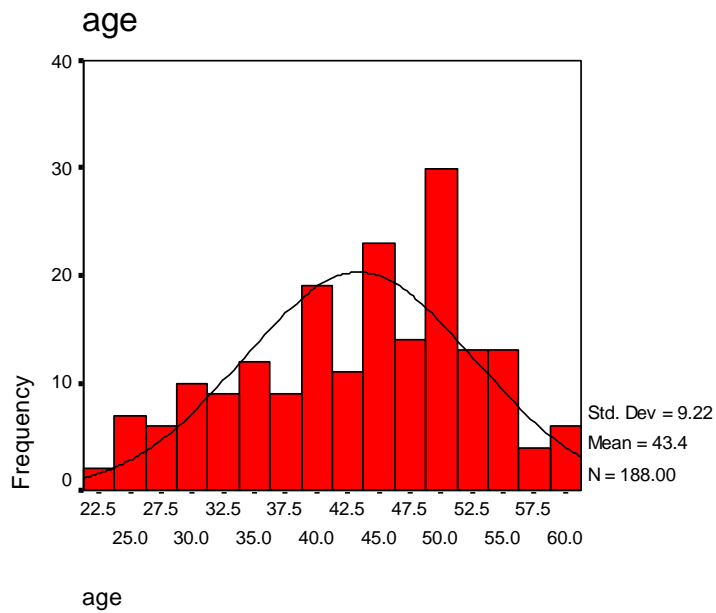
6 Other (27)

\$\$ for extra staffing	More professional development
\$\$\$ for gear	MSC Council pamphlets
Booking list of centres	Open days at camp sites
Camp sites	Practical tent pitching
Computer programmes	RAMS exemplars
Cost of trips	Resource people list
Equipment & funding	Resource teachers of EOTC
Flexible timetables	Safety & EOTC is too wordy
Kayaks & equipment	Sample policies & procedures
Knowledge of inexpensive opportunities	Teacher assessors for those taking camps
MOE list of recommended operators	Time to update qualifications
Money (3)	Transport needs support
More gear	User friendly templates
More OE teachers	

H Description of the Sample (overall N = 210)

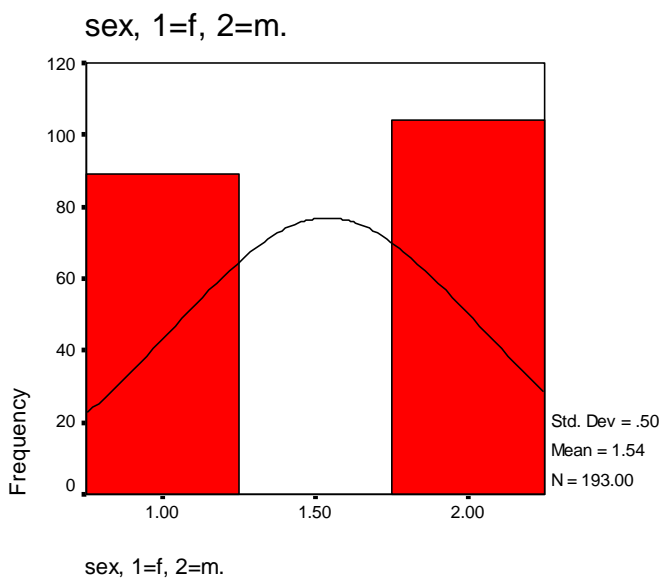
1 Age

Mean – 43.37, sd – 9.22, min 23, max 61, range 38, median 45



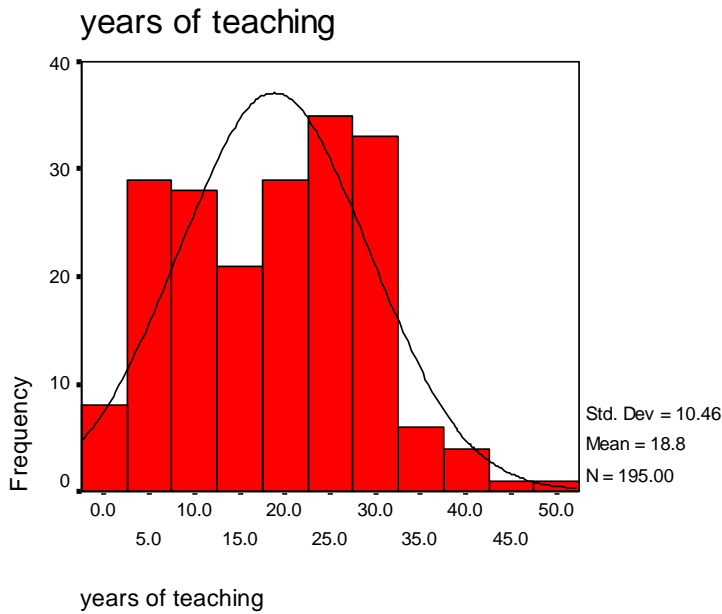
2 Gender

Valid 188, M = 104, F = 89



3 Years of Teaching

Mean – 18.79, sd – 10.46, min – 1, max – 50, range – 49, n = 195

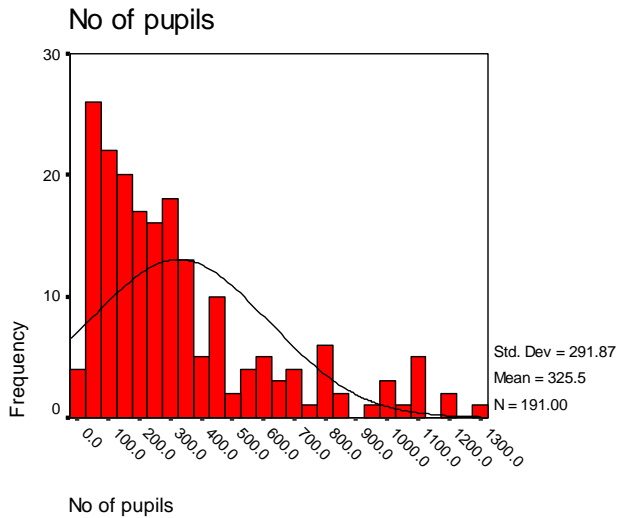


4 Teaching Levels

14 taught at one level between years 1-8
161 taught multiple levels

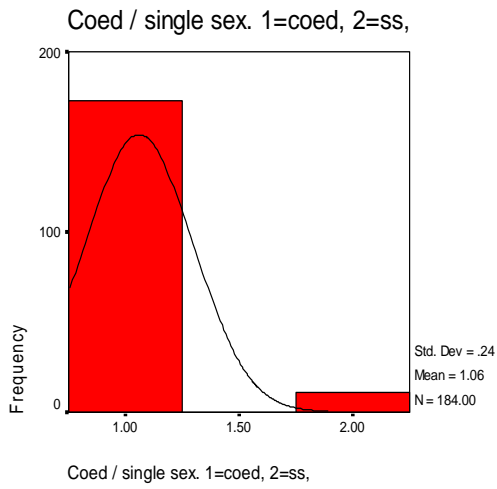
5 No of Pupils in the School

Mean – 325.54, sd - 291.87, min 9, max 1300, range 1291, N = 191



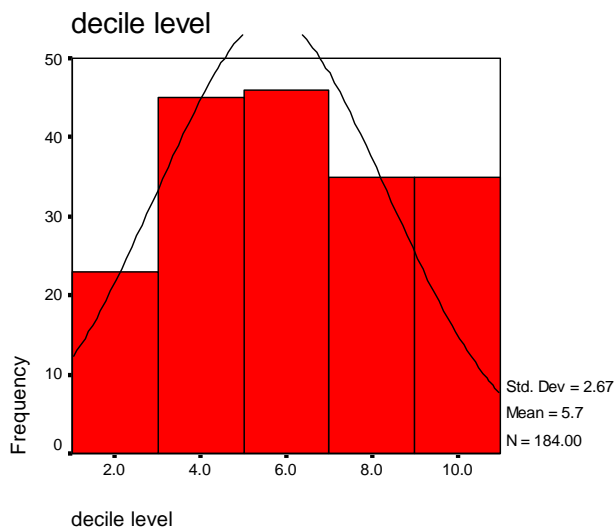
6 Co-ed/single sex

N = 184, Coed – 173, SS - 11



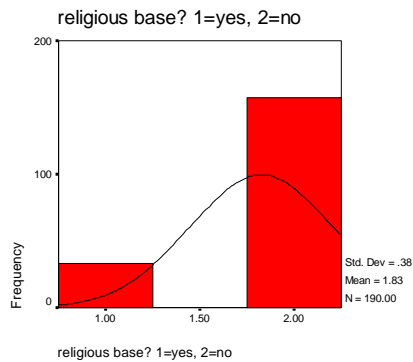
7 School Decile Level

N = 184, Mean – 5.67, sd 2.67, range – 9



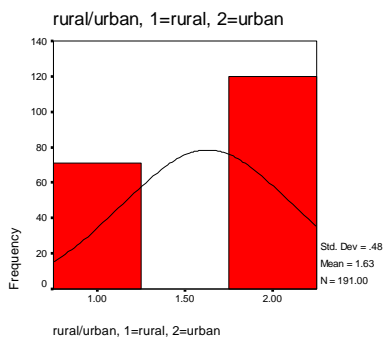
8 Religious Base?

N = 190, Yes 33, No 157



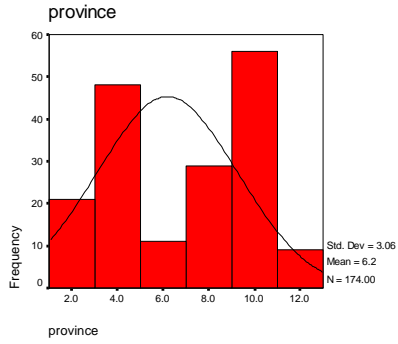
9 School Location - Rural / Urban

N = 191, Rural – 71, Urban - 120



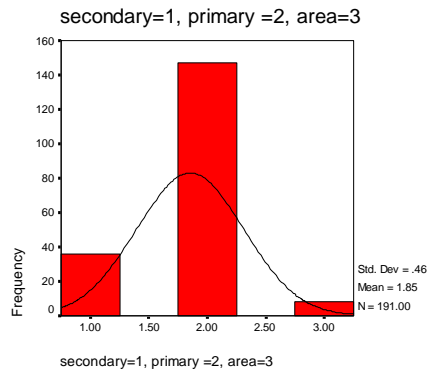
10 School Location - Province

Northland	5
Auckland	16
Waikato / BOP	36
Taranaki	12
Hawkes Bay / Wairarapa	6
Manawatu / Wanganui / Taupo	6
Wellington / Horowhenua	28
Nelson / Golden Bay	1
Canterbury	41
West Coast	15
Otago / Southland	20
Unknown	24



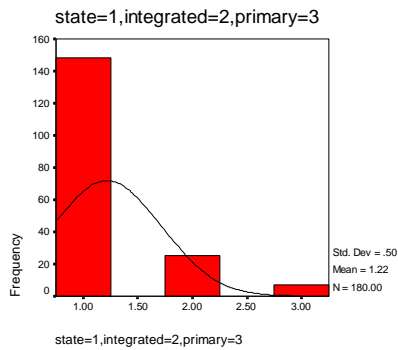
11 Secondary / Primary / Area

N = 191
 Secondary – 36
 Primary – 147
 Area School – 8



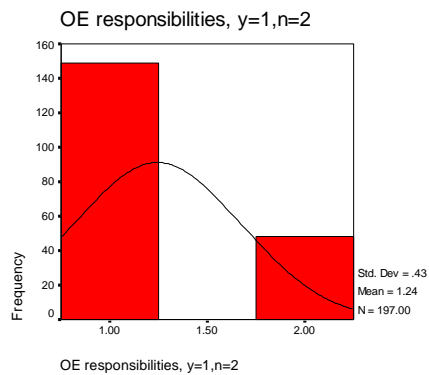
12 State / Integrated / Private

N = 180,
 State – 148
 Integrated – 25
 Private – 7



13 Did the participant hold administrative responsibilities in OE?

N = 197,
No – 48
Yes – 149



I Definitions

We have attempted to circumvent semantic confusion especially with the terms *outdoor education (OE)* and *education outside the classroom (EOTC)*, by defining the scope of the study as the use of the natural environment for the purposes of teaching and learning. While EOTC includes events such as outdoor PE, sports trips and museum visits, our definition may have affected the nature of the data obtained.

J The Researchers

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An education web portal provided by the New Zealand Ministry of Education. K rero MAtauranga is a series of education conversations to help build the world's best education system for all our children and young people. Connect with us. Twitter Facebook LinkedIn Youtube. More information. Careers in education. Your feedback. Consultations. 24 New Zealand Education Strengths Challenges Holistic education focus Local, self-governing education system Global approach to higher education delivery and international community Challenges New compulsory national standards Education, health, and economic disparities Continued cultural unrest. 25 References BBC News "Timeline: New Zealand. (n.d.). Retrieved March 1, 2010, from Bignold, W., & Gayton, L. (2009). Global issues and comparative education: Perspectives in education studies. Southernhay, England: Learning Matters. CIA-The World Fact Book-New Zealand (n.d.). Retrieved March 1, 2010, from Ministry of Education (2008). The education system in New Zealand is a three-tier model which includes primary and intermediate schools, followed by secondary schools (high schools) and tertiary education at universities and polytechnics. The academic year in New Zealand varies between institutions, but generally runs from early February until mid-December for primary schools, late January to late November or early December for secondary schools and polytechnics, and from late February until mid-November for universities.