āheinga reo	language function	rautaki	strategy
ahurea	culture	rāwekeweke	manipulate
āputa	gap; space between	reo ā-puta	productive language
arohaehae	critique	reo ā-tinana	body language
ā-tā (reo tā)	language in a visual form	takahuri	amend, alter, change
ā-tinana (reo o te tinana)	paralinguistics; body language	takenga	origin
auaha	creative	tapepe	falter
auau te puta	high frequency	tātaki	spell
ā-waha (reo ā-waha)	oral language	taunaki (-tanga)	evidence
hapa	mistake; a slip	taupatupatu	debate
hīkaro	infer	tautohetohe	argue a point
horopaki	context	tautohu	identify
kare ā-roto	feeling; emotion	tikanga peha	narrative conventions
kīanga	phrase	tinihanga	joking around; teasing
kōrero whakanene	joke	tiri	share
kōtui	combine	tohu tuhituhi	punctuation
kounga	quality	torotoro	explore
kōwae	paragraph	tūāpapa	foundation; basis
kupu āhua	adjective	tuhinga ataata	visual language
kupu honohono	conjunction	wahangū	silent
kupu taurite	synonym	waia haere	become more familiar with
mātanga	clear	wetewete	analyse
matapaki	discuss	whaiaro	personal
matawhawhati	unexpected	whakahiato	collate; synthesize
motumotu	disjointed	whakaihi	excite
ōkawa	formal	whakaniko	embellish; enhance
ōpaki	informal	whakarāpopoto	summarise
paparua	repeat	whakawā	make a judgement or decision
peha	narrative	wheako	experience (noun)
puna reo	language knowledge	wheako reo	language experience
pūrongo	report		
rapirapi	scribble; scratch		

ahu-2	2-dimensional	pānga rārangi	linear relationship	rauara	network
ahu-3	3-dimensional	pānga rārangi hāngai	direct linear relationship	raumata	net (of a solid shape)
āhuatanga pūmau	invariant property	pānga rārangi kōaro	inverse linear relationship	raupapa tatauranga	counting sequence
aro whānui	standard (e.g. unit of measurement)	pānga rārangi-kore	non-linear function	rautaki āhuahanga	geometrical strategy
arohaehae	critique	pānga rōnaki	gradient function	rautaki pānga riterite	proportional strategy
aronga kē	non-standard (e.g. unit of measurement)	pānga taupū	exponential function	rautaki tāpiripiri	additive strategy
aruarunga	discontinuity	panoni	transformation	rautaki tatau	counting strategy
auahatanga	creativity	papa taunga	coordinate plain	rautaki taurangi	algebraic strategy
hau-tahi	unit fraction	papa-maha	multi-level	rautaki tohatoha ōrite	equal sharing strategy
hīkaro	inference	papa-tahi	single-level	rautaki wāwāhi tau tāpiripiri	additive partitioning strategy
hoahoa rākau	tree diagram	pāpātanga o te whiti	rate of change	rautaki whakarea	multiplicative strategy
huānga	element (member of a set)	pāpātanga whakaputu	compound rate	rautaki whakarōpū	grouping strategy
huanui	locus	pāpono paheko	combined event	rāwekeweke	manipulate (an equation)
huinga raraunga	data set	pāpono wehe kē	independent event	rima me ngā tauhono	groupings with five
ia	trend	pāpono whakawhirinaki	conditional event	rōnaki	gradient, slope
ine hononga taurangi rārangi	linear regression	parahau	justify	takirua raupapa	ordered pair
ine mahora	standard deviation	pārōnaki	differentiation	tāpaetanga kōrero	assertion
kīanga taurangi	algebraic expression	pārōnaki kōaro	anti-differentiation	tapeke raupapa tāpiri	arithmetic series
marohi rāroto	interpolation	pārongo tauanga	statistical information	tapeke raupapa whakarea	geometric series
marohi rāwaho	extrapolation	pāwhaitua	integration	tātaritanga raraunga torotoro	exploratory data analysis
mātāoroko	object (before transformation)	pūāhua	situation	tau hiato	complex number
matapae	predict	pūnaha ngahuru	metric system	tau toitū	prime number
matatika	ethics	pūrau	polynomial	tau tōpū	integer
mātātuhi	image (of an object following transformation)	putanga	outcome	tauhono o te tekau	additive groupings within ten
motunga koeko	conic section	rahinga	quantity	tauira raupapa	sequential pattern
ōwehenga pākoki	trigonometric ratio	rārangi pūtahi	intersecting lines	tauira tāruarua	repeating pattern
pae hapa	margins of error	rārangi whakarara	parallel lines	tauira taupū kōaro	log modelling
pānga huri kōaro	reciprocal function	raraunga houanga	time series data	taupori	population
pānga kōaro	inverse function	raraunga matarua	bi-variate data	taupū	exponent
pānga pākoki	trigonometric function	raraunga motumotu	discrete data	taurangi	variable, algebra
pānga pūrua	quadratic function	raraunga whakarōpū	category data	taurangi motumotu matapōkere	discrete random variable
		raraunga whakarōpū matatini	multi-variate category data		

taurangitanga	*variation*
taurea	*multiple*
tauwehe	*factor*
tawhā	*parameter*
tekau me ngā tauhono	*groupings with ten*
tepe (o te tika)	*limit (of accuracy)*
tikanga āhuahanga taunga	*co-ordinate geometry*
tikanga rorohiko mō te kauwhata rārangi	*linear programming technique*
tikanga whakanoho rārangi kōpiko	*curve fitting technique*
tīpako	*sample, select*
tīpako matapōkere	*random sample*
tirohanga	*perspective*
tōrite rārangi	*linear inequation*
tuanaki	*calculus*
tuari hangarite	*normal distribution*
tuari huarua	*binomial distribution*
tuari raraunga	*data distribution*
tuari tātai	*theoretical distribution*
tuari whakamātau	*experimental distribution*
tūhuratanga tauanga	*statistical investigation*
tukanga kohikohi raraunga	*data collection method*
tukanga whai tīpako	*sampling method*
tukutuku	*grid*
ture aho	*sine rule*
ture whenu	*cosine rule*

tūtohi ararua	*two-way table*
wāwāhi	*partition*
wēanga	*measure of central tendency*
wehe kētanga	*independence*
wehewehe raraunga	*sort data*
whaihanga	*simulation*
whaitakenga	*reasonableness*
whaitua taupono	*confidence interval*
whakaahuahanga	*representation*
whakaari raraunga	*data display*
whakaaro arohaehae	*critical thinking*
whakaaro arorau	*logical thinking*
whakaaro pānga riterite	*proportional reasoning*
whakaaro whaitake	*deductive thinking*
whakaawhiwhi	*round (a number)*
whārite pārōnaki	*differential equation*
whārite pūrau	*polynomial equation*
whārite rārangi	*linear equation*
whārite rārangi-kore	*non-linear equation*
whārite taupū	*exponential equation*
whārite tukutahi	*simultaneous equation*
whārite whai taurangi	*algebraic equation*
whiriwhiringa raupapa	*permutation*
whiriwhiringa raupapa-kore	*combination*

āheinga koiri	*physical competence*	ratonga	*service*
akoranga koiri	*physical education*	raupapa koiri	*motor skill sequence*
arohaehae	*appraise; critique*	raupapa koiri āhua uaua	*complex motor skill sequence*
aupēhi	*peer pressure*		
haepapa	*responsible*	raupapa neke	*movement sequence*
haumaru(tanga)	*safe; safety*	rawa	*natural resources*
hihiri	*enthusiasm*	taiohi	*teenager*
kare ā-roto	*feeling; emotion*	taiopenga	*festival*
kaupapa koiri	*physical activity programme*	takapau	*ceremonial mat*
		torotoro	*explore*
kōhungahunga	*infant; toddler*	totoro	*stretch; extend*
kōtuitui	*integrate; synthesise*	tuakiri ā-iwi	*ethnic identity*
mahi koiri	*physical activity*	tuakiri ā-motu	*national identity*
mātāpono	*principle*	tuakiri whaiaro	*personal identity*
mātātaki	*challenge*	uara	*value*
matatika	*ethics; ethical*	waiaro	*attitude*
matatika pāpori	*social justice*	waihanga	*devise; create*
matawaenga	*dilemma*	whai wāhi atu	*experience; participate*
mōhiohio	*information*	whakaaroaro	*consider*
momo tākaro	*games*	whakaauaha	*creative*
motika	*rights*	whakaawe	*influence*
nekehanga	*movement*	whakahāngai	*adapt*
pāhekoheko(tanga)	*interaction; cooperative*	whakamahi	*use, apply*
pāpā	*influence, have an impact upon*	whakanikoniko	*embellish; enhance*
		whakarite	*plan*
porihanga	*society*	whakatairanga	*promote*
pūhuruhurutanga	*puberty*	whakataurite	*compare and contrast*
pūkenga koiri	*motor skill*	whakataki	*manage*
pūkenga koiri whāiti	*fine motor skill*	whakatakoto	*outline; propose*
pūkenga neke	*movement skills*	whakatinana	*implement*
pūmanawa	*natural talent; potential*	whakatoihara	*discrimination; prejudice*
pūnaha	*system*	whakawhena	*assert; be assertive*

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āhuatanga ahurea	*cultural feature*	mōhiotanga	*knowledge*
āhuatanga tūturu	*natural feature*	mōmōhanga	*scarce*
ahurea	*culture*	mōrearea	*crisis*
ahurei	*unique*	motika	*right*
āinga	*force (e.g. historical)*	motika tangata	*human right*
āinga pāpori	*social force*	ngā take o te wā	*current events*
arotahi	*focus*	ngā tikanga o te wā	*trends over time*
auahatanga	*creativity*	ōhanga	*economics; economy*
aukati	*constraint*	ohaoha	*economic*
e whai tikanga ana ki ...	*having significance for ...*	oranga	*life*
haepapa	*responsible; responsibility*	otinga	*outcome; effect*
		pāhekoheko	*interact*
haere kōtui	*interrelated*	pāhekohekotanga ahurea	*cultural interaction*
hapori	*community*		
hinonga	*enterprise*	pakihi	*business*
hītori	*history*	pakirehua	*inquiry*
hononga	*relationship*	pakirehua pāpori	*social inquiry*
horopaki	*context*	pānga	*effect; relationship*
huringa o te wā	*over time*	panoni	*change*
kaiārahi	*leader*	papātanga	*impact*
kaiwhakanao	*producer*	pāpātanga	*rate*
kaiwhakapeto	*consumer*	pāpori	*social; socio-*
kitenga	*finding*	porihanga	*society*
kōrahi	*scale*	pūtahitanga	*institution*
kōwhiringa	*option; choice*	pūtake	*purpose*
mahinga ahurea	*cultural practice*	pūtaketanga	*cause*
mahinga ohaoha	*economic activity*	putanga iho	*outcome*
mānukanuka	*tension*	rāngai	*sector*
māramatanga	*understanding*	rawa	*resource*
mātātaki	*challenge*	ritenga	*rule*
matawhenua	*geography*	taiao ahurea	*cultural environment*
matea kikokiko	*physical need*	taiao tūturu	*natural environment*
matea ngākau	*emotional need*	take ohaoha	*economic issue*
matea pāpori	*social need*	take taiao	*environmental issue*
mōhiohio	*information; informed*		

takitahi	individual	whakaataata	reflect
tāpua	significant	whakaauaha	create
tauira ahurea	cultural pattern	whakaawe(nga)	influence; affect
tauira mokowā	spatial pattern	whakahou	reform
tauira tuturu	natural pattern	whakamāoritanga	interpretation
taupuhipuhi	interdependent	whakapono	belief
tautohe(tia)	contested	whakapono tōrangapū	political ideology
tautohu	identify	whakaputa tuakiri	expressing identity
te takanga o te wā	over time	whakatairanga	promote
tikanga tuku iho	tradition	whakatōtika	intervene (correct)
tino pakeke	complex	whakatutuki (matea tangata)	meet (peoples' needs)
tohatoha	allocate		
tōkeke pāpori	social justice	whakauru	engage
torotoro	explore; exploration	whakawhiwhinga	acquisition
tūāhua	event	whanaketanga	development
tūāhua o mua	past event	whanonga tangata	human behaviour
tūāhua whakahirahira	important event	whāomoomotanga	sustainability
tuakiri	identity	whenua = motu	country; nation
tuakiri ā-motu = tuakiri ā-whenua	national identity		
tūhura	investigate		
tukanga	process		
tukanga pāhekoheko	interacting process		
tukatuka mōhiohio	process information		
tuku ihotanga	heritage		
tūranga	role		
urupare	respond; response		
urutau	adapt		
waihanga	shape		
whai tūranga	acquire role		
whai wāhi (ki) …	participate; have opportunity		
whaiwāhitanga	opportunity		
whakaahua	describe		
whakaaro nui(tia)	important		

āhuatanga toi	art technique	ūngeri	rhythm
ao māori	natural environment	whakaari	drama
ariā	theory; idea	whakaata	reflect
auaha	creative	whakaawe	influence
horopaki	context	whakahihiri	motivate
huānga	element (arts)	whakakoi	sharpen; improve
huapai	positive (outcome)	whakamātau	test; experiment
kaitoi	artist	whakaniko	enhance
kounga	quality	whakarerekē	alter
kunenga	evolution	whakatangitangi	musical instrument
maioha	appreciation	whakauru	insert; include
mokowā	space, spatial	wheako	experience
mātāpuna	source		
matatau	proficient		
nanao	use		
ngā mahi a te rēhia	performance arts; performing arts		
oro	sound		
papanga	materials		
paparua	copy; replicate		
pohewatanga	imagination		
pūkenga	skill		
pūkenga puoro	musicianship		
puoro	music; sound		
rawa	resource (materials)		
raweke	manipulate		
taputapu	tool, instrument		
tātari	analyse		
tāwhai	imitate		
tito	write; compose		
titonga puoro	instrumental composition		
tohu	symbol		
tohu ōkawa	formal notation (music)		
toi ataata	visual arts		
tokonga whakaaro	thinking (of a group)		
tūhura	explore		

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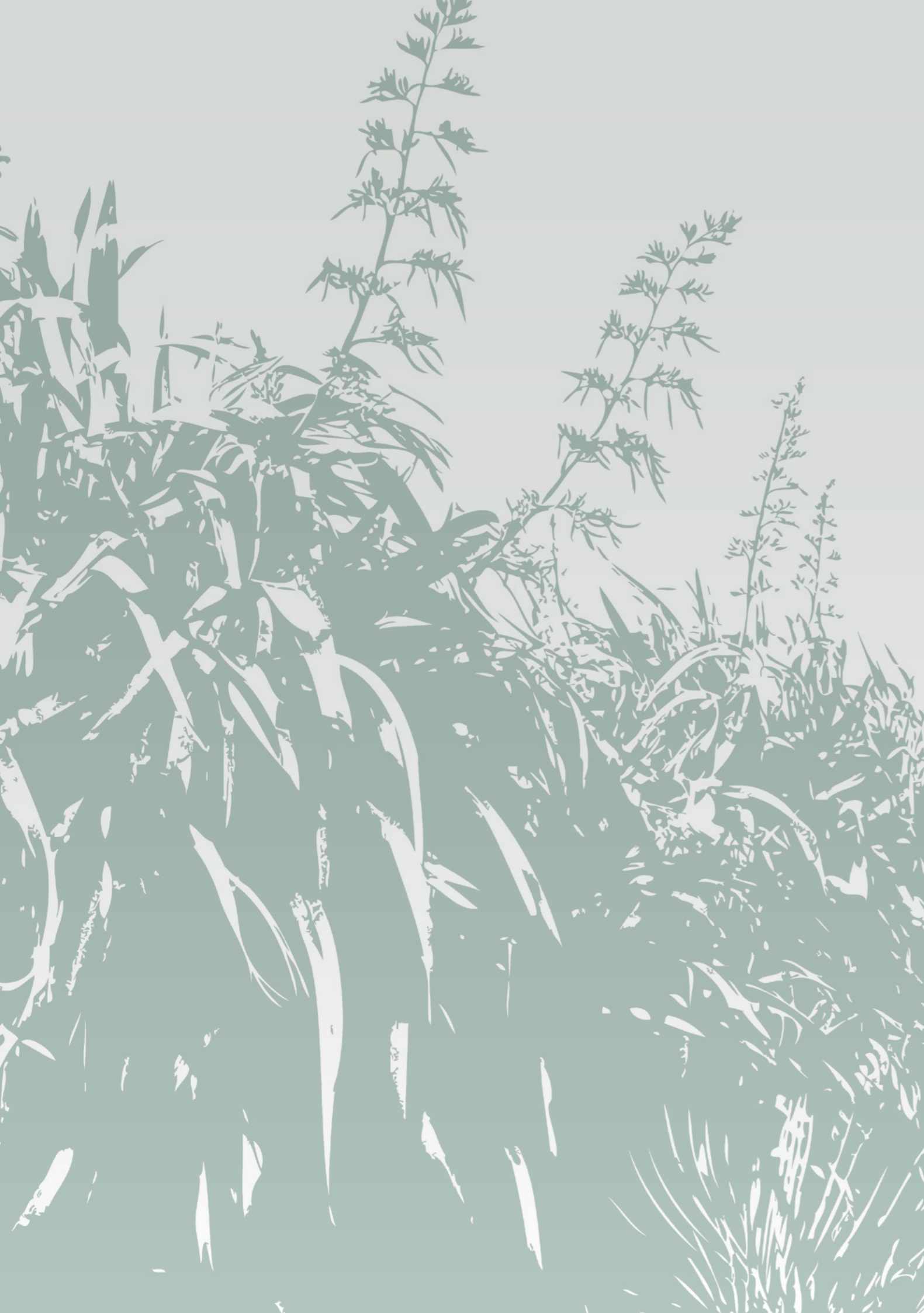
aho	*light*	kiato	*density*
āhua-matū	*state of matter*	kīrehe	*animal*
ahupūngao karihi	*nuclear physics*	kōhauhau	*atmosphere*
ānga	*momentum*	koiora	*biology*
ā-nuku	*geological*	konganuku	*metal*
ao tukupū	*universe*	korakora	*particle (chemical)*
aorangi	*planet*	korehāhā	*extinct*
ara iahiko	*electrical circuit*	kounga (kupu āhua)	*qualitative*
ārai	*insulate*	kukuwhatanga	*evolution*
āraitanga	*eclipse*	mānu	*float*
ā-rangi	*astronomical*	māori	*natural*
ariā korakora	*particle theory*	mātakinga	*observation*
ariā nukupapa	*tectonic plate theory*	mātātika	*ethics*
ātārangi	*shadow*	matū	*matter*
ā-Tāwhiri	*atmospheric*	māwhaiwhai kame	*food web*
autō	*magnet(ism)*	mehamehanga	*solubility*
autōhiko	*electromagnet(ism)*	momo	*species*
hā (o te oro)	*tone (of sound)*	moroiti	*micro-organism*
hakoko	*refract(ion)*	nekenga	*motion*
hangore	*flexible*	ngaru	*wave*
hauropi	*ecology, ecological*	ngota	*atom*
hiko	*electricity*	ngotangota	*particle (subatomic)*
hiko tū	*static electricity*	ōkiko	*physical (i.e. non-chemical)*
honohono katote	*ionic bonding*		
honohono ngātahi	*covalent bonding*	ōpunga	*heat capacity*
hononga mokowā	*spatial relationship*	oreore	*alive*
hurihanga	*cycle*	oro	*sound*
hurihanga-ora	*life-cycle*	orotahi	*note (of sound)*
ikarangi	*galaxy*	paemahana	*temperature*
iranga	*genetics*	pana	*push*
kakano	*texture*	panoni	*change*
kanorau koiora	*biodiversity*	panoni pūmau	*permanent change*
katote	*ion*	panoni rangitahi	*temporary change*
kauwhiti	*lever*		
kawe	*conduct*		
kawekawe	*chemical*		

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pāpāhua	base (vs. acid)	taurite	equilibrium
pītau-ira	DNA	tauru	pulley
pōkākā	heat	tautake	philosophy
pūhui	compound	tipu	plant
pūhui konganuku	metal compound	tītohunga ā-rongo	physical phenomenon
puia	volcano	tō	pull
pūmau o te pūngao	conservation of energy	tō ā-papa	gravity
		tōpana	force
pūmotu	element	toro ātea	space exploration
puna ira	gene pool	tuhi	record
pūnaha	system	tukunga iho	inheritance
pūnaha mātauranga	knowledge system	uara ā-hinengaro	cognitive values
pūnaha tohu	symbol system	uara ā-wairua	moral values
pūnaha-hauropi	ecosystem	urutapu	pure
pūngao	energy	wāhi noho	habitat
pūngao moe	potential energy	waikawa	acid
pūngao neke	kinetic energy	waikura	rust
ranu(nga)	mix(ture)	waiwaro	hydrocarbon
rāpoi ngota	molecule	waku	friction
raupapa kame	food chain	warokore	inorganic (chemical)
rauropi	organism	whai wāhi atu	to experience
rere	flight	whaiwaro	organic (chemical)
rerekētanga ā-ira	genetic variation	whakaata	reflect
rongo	odour	whakamātau tika	fair test
rū whenua	earthquake	whakaoti rapanga	problem-solving
tae	colour	whakaputa uri	reproduction
tahu	burn	whakatauira	modelling
tairongo	sensory	whakatinana ira	gene expression
Taka Pūmotu	Periodic Table	whānau a Tama-nui-te-Rā	solar system
tāpui wai	water reserve		
tatau (kupu āhua)	quantitative	whiringa māori	natural selection
tauhohe matū	chemical reaction		
tauira	model; pattern		
tauira horahora hauropi	ecological distribution pattern		
taupori	population		

ao tūturu	*real world*	pūnaha	*system*
arotake	*evaluate*	pūhanga manawa	*mechanical*
arotautanga	*optimisation*	pūkenga whakahaere mahi	*project management skills*
auaha	*creative, innovative*	pūtaiao rorohiko	*computer science*
hangarau kai	*food technology*	rauropi	*living organism*
hangarau koiora	*biotechnology*	rautaki	*strategy*
hangarau matihiko	*digital technology*	rawa	*resource, materials*
hangarau whakatina	*control technology*	rawa ora	*living material*
hapori	*community*	raweke	*manipulate*
hātepe	*algorithim*	rerehua	*aesthetics*
hinengaro auaha	*ingenuity*	rokiroki	*store (data)*
hiranga	*excellence, superior*	tāhiko	*electronics*
hātepe	*process*	tāhiko me te hangarau whakatina	*electronics and control technology*
hoahoa	*design*	taukumekume	*debate*
huarahi wātea	*opportunity*	tautohu	*identify*
kiritaki	*customer, client*	tikanga haumaru	*safety procedures*
kirihou	*plastic*	toitū	*lasting; sustainable*
kirirarau matihiko	*digital citizen*	tuari	*share*
konganuku	*metal*	tūhura	*explore, investigate*
korehāhā	*extinct*	tukanga	*process*
kōrero matihiko	*digital content*	tauwhāiti	*specific*
kōwhiri	*select*	urupare	*feedback, response*
kounga	*quality*	utauta	*equipment*
koiora	*biotechnology*	waiwai	*basic*
māia	*confidence*	whaiaro	*personal*
mauroanga	*durable*	whaikiko	*purposeful*
matatika	*ethics*	whai patanga	*purposeful, useful*
mātau	*know, understand*	whakaaro rorohiko	*computational thinking*
matū	*materials*	whakaharatau hangarau	*technological practice*
matū waihanga	*synthetic*	whakahiato	*develop*
ohaoha	*economics*	whakatairanga	*promote*
paparanga	*layer*	whakataurite	*compare*
papatono	*programme (computer)*	whakatupuranga	*progression*
pāpori	*social*	whakawhanake	*develop*
pāpā	*impact*	whitiauau	*iterative, iteration*
parahau	*justify*		
paturopi	*antibiotics*		

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