



KARAMU HIGH SCHOOL

NCEA Level One

LITERACY and NUMERACY

- ❖ Students need 10 Numeracy and 10 Literacy credits from Achievement Standards to gain an NCEA Level One.
- ❖ Students can gain Literacy and Numeracy credits not only from English and Mathematics but also from selected Achievement Standards in other subjects.
- ❖ Students need to study English as part of their Level Two course. Students need to be aware they must meet the entry criteria in Level One English to study English at Level Two.
- ❖ This booklet gives students all the Achievement Standards offered at Karamu High School, at both NCEA Level One and Level Two that they can count towards Level One Literacy and Numeracy. Students should highlight the ones that apply to them.
- ❖ Students should monitor their own progress towards the 10 Literacy and 10 Numeracy credits.
- ❖ Most students will be offered a course that allows them to gain Literacy and Numeracy through Achievement Standards.
- ❖ If, however, students gain their Literacy and Numeracy via Unit Standards their NZQA their Record of Learning will state *from Unit Standards*.
- ❖ Students cannot mix Unit and Achievement Standards. All Literacy and Numeracy Standards must come from either Achievement Standards *OR* Unit Standards.
- ❖ Some standards show that credits can be gained in both Literacy and Numeracy, however where this occurs credits will be allocated wherever the student has a shortfall.

Literacy requirements - Minimum of 10 credits

Either	Achievement Standards	Specified Achievement Standards available through a range of subjects (minimum total of 10 credits)
Or	Unit Standards	Package of 3 Literacy Unit Standards. Total of 10 credits – all three required

Numeracy requirements – Minimum of 10 credits

Either	Achievement Standards	Specified Achievement Standards available through a range of subjects (minimum total of 10 credits)
Or	Unit Standards	Package of 3 Numeracy Unit Standards. Total of 10 credits – all three required

LEVEL ONE STANDARDS

Karamu Subject	AS Number	Achievement Standard		Credits	L1 Literacy	L1 Numeracy
BUSINESS STUDIES – LEVEL ONE						
	90840	Apply Market Mix to new or existing product	INT	3	Literacy	
BUSINESS STUDIES	90982	Carry out and review a product-based business activity within a classroom context with direction	INT	6	Literacy	
	90841	Investigate aspects of human resource processes in a business	INT	3	Literacy	
	90837	Internal features of a Small Business	EXT	4	Literacy	
	90838	External features of a Small Business	EXT	4	Literacy	
	DANCE – LEVEL ONE					
DANCE	90860	Demonstrate understanding of the elements of dance	INT	4	Literacy	
	90861	Demonstrate understanding of a dance performance	EXT	4	Literacy	
	90005	Demonstrate knowledge of a dance genre or style	EXT	4	Literacy	
DIGITAL TECHNOLOGIES – LEVEL ONE						
DIGITAL TECH.	91070	Demonstrate understanding of basic concepts of information management (1.40)	EXT	3	Literacy	
	91072	Demonstrate understanding of basic concepts of digital media (1.42)	INT	3	Literacy	
DRAMA – LEVEL ONE						
DRAMA	90006	Apply drama techniques in a dramatic context	INT	4	Literacy	
	90997	Devise and perform a drama	INT	5	Literacy	
	90999	Select and use features of a drama/theatre form in a performance	INT	4	Literacy	
	91000	Perform in an acting role in a scripted production	INT	5	Literacy	
	90011	Demonstrate understanding of the use of drama aspects with live performance	EXT	4	Literacy	
ENGLISH – LEVEL ONE						
ENGLISH	90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	EXT	4	Literacy	
	90850	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	EXT	4	Literacy	
	90851	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence	EXT	4	Literacy	
	90052*	Produce creative writing	INT	3	Literacy	
	90053*	Produce formal writing	INT	3	Literacy	
	90852*	Explain significant connection(s) across texts, using supporting evidence	INT	4	Literacy	
	90857*	Construct and deliver an oral text	INT	3	Literacy	
	90853*	Use information literacy skills to form conclusions	INT	4	Literacy	
90854*	Form personal responses to independent read texts	INT	4	Literacy		

ENGLISH (PATHWAYS PROGRAMME) - LEVEL ONE

ENGLISH PATHWAYS	90052*	Produce creative writing	INT	3	Literacy	
	90053*	Produce formal writing	INT	3	Literacy	
	90857	Construct and deliver an oral text	INT	3	Literacy	
	90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	INT	3	Literacy	
	90850	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	EXT	4	Literacy	
	90854*	Form personal responses to independent read texts	INT	4	Literacy	

FOOD & NUTRITION - LEVEL ONE

FOOD & NUTRITION	90957	Demonstrate understanding of societal influences on an individual's food choices and well-being	INT	5	Literacy	
	90958	Demonstrate understanding of how cultural practices influence eating patterns in New Zealand	INT	5	Literacy	
	90959	Demonstrate knowledge of practices and strategies to address food handling issues	INT	5	Literacy	
	90961	Demonstrate understanding of how packaging information can influence an individual's food choices and well-being	EXT	4	Literacy	

GEOGRAPHY – LEVEL ONE

GEOGRAPHY	91007	Demonstrate a geographic understanding of environments that have been shaped by extreme natural event(s) (1.1)	EXT	4	Literacy	
	91008	Demonstrate geographic understanding of population concepts (1.2)	EXT	4	Literacy	
	91009	Demonstrate geographic understanding of the sustainable use of an environment (1.3)	INT	3	Literacy	
	91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment (1.4)	EXT	4		Numeracy
	91011	Conduct geographic research, with direction (1.5)	INT	4	Literacy	Numeracy
	91012	Describe aspects of a contemporary New Zealand geographic issue (1.6)	INT	3	Literacy	
	91013	Describe aspects of a geographic topic at a global scale (1.7)	INT	3	Literacy	

DIGITAL & VISUAL COMMUNICATION (DVC) – LEVEL ONE

DVC Level One	91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	EXT	3		Numeracy
	91065	Produce instrumental paraline drawings to communicate design ideas	EXT	3		Numeracy
	91069	Promote design work to an audience using visual communication techniques	INT	4	Literacy	

HISTORY - LEVEL ONE

HISTORY	91001	Carry out an investigation of an historical event, or place, of significance to New Zealanders	INT	4	Literacy	
	91002	Demonstrate understanding of an historical event, or place, of significance to New Zealanders	INT	4	Literacy	
	91003*	Interpret sources of an historical event of significance to New Zealanders	EXT	4	Literacy	
	91004	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	INT	4	Literacy	
	91005*	Describe the causes and consequences of an historical event	EXT	4	Literacy	
	91024	Demonstrate an understanding of social relationships in the classical world	INT	6	Literacy	
	91006*	Describe how a significant historical event affected New Zealand society (1.6)	EXT	4	Literacy	

MATHEMATICS – ACCELERATE - LEVEL ONE

MATHEMATICS Accelerate	91027	Apply algebraic procedures in solving problems	EXT	4		Numeracy
	91028	Investigate relationships between tables, equations or graphs	EXT	4		Numeracy
	91031	Apply geometric reasoning in solving problems	EXT	4		Numeracy
	91034	Apply transformation geometry in solving problems	INT			Numeracy
	91035	Investigate a given multivariate data set using the statistical enquiry cycle	INT	4	Literacy	Numeracy
	91037	Demonstrate understanding of chance and data	EXT	4		Numeracy

MATHEMATICS – LEVEL ONE

MATHEMATICS	91026	Apply numeric reasoning in solving problems	INT	4		Numeracy
	91027	Apply algebraic procedures in solving problems	EXT	4		Numeracy
	91029	Apply linear algebra in solving problems	INT	3		Numeracy
	91030	Apply measurement in solving problems	INT	3		Numeracy
	91032	Apply right-angled triangles in solving measurement problems	INT	3		Numeracy
	91035	Investigate a given multivariate data set using the statistical enquiry cycle	INT	4	Literacy	Numeracy
	91038	Investigate a situation involving elements of chance	INT	3	Literacy	Numeracy

MATHEMATICS PATHWAYS – LEVEL ONE

MATHEMATICS PATHWAYS	91026	Apply numeric reasoning in solving problems	INT	4		Numeracy
	91029	Apply linear algebra in solving problems	INT	3		Numeracy
	91030	Apply measurement in solving problems	INT	3		Numeracy
	91035	Investigate a given multivariate data set using the statistical enquiry cycle	INT	3	Literacy	Numeracy
	91038	Investigate a situation involving elements of chance	INT	3	Literacy	Numeracy

MEDIA STUDIES – LEVEL ONE						
MEDIA STUDIES	90989	Demonstrate understanding of how individuals interact with the media	INT	3	Literacy	Numeracy
	90990	Demonstrate understanding of selected elements of media text(s)	INT	3	Literacy	
	90991	Demonstrate understanding of the media coverage of a current issue or event	EXT	4	Literacy	
	90992	Demonstrate understanding of characteristics of a media genre	EXT	4	Literacy	
	90996	Write media texts for a specific target audience	INT	3	Literacy	
MUSIC – LEVEL ONE						
MUSIC	91094	Demonstrate knowledge of conventions used in music scores	EXT	4	Literacy	
PHYSICAL EDUCATION – LEVEL ONE						
PHYSICAL EDUCATION	90963	Describe the function of the body as it relates to the performance of physical activity	INT	5	Literacy	
	90965	Demonstrate understanding of societal influences on physical activity and the implications for self and others	INT	4	Literacy	
	90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	INT	4	Literacy	
	90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	INT	3	Literacy	
	90968	Demonstrate and show responsible behaviour for safety during outdoor education activities	INT	3	Literacy	
PRODUCT DESIGN – LEVEL ONE						
PRODUCT DESIGN		Undertake brief development to address a need or opportunity	INT	4	Literacy	
		Demonstrate understanding of how technological modelling supports decision making	EXT	4	Literacy	
SPORT EDUCATION – LEVEL ONE						
SPORTS EDUCATION	90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	INT	4	Literacy	
	90970	Demonstrate self-management strategies and describe the effects on participation in physical activity	INT	3	Literacy	
SCIENCE (ACCELERATE PROGRAMME) – LEVEL ONE						
SCIENCE Accelerate	90948	Demonstrate understanding of biological ideas relating to genetic variation	EXT	4	Literacy	
	90954	Demonstrate understanding of the effects of astronomical cycles on planet earth	INT	4	Literacy	
	90942	Investigate the implication of wave behaviour in everyday life	EXT	4		Numeracy
	90937	Demonstrate understanding of aspects of electricity and magnetism	EXT	4		Numeracy
SCIENCE – LEVEL ONE						
SCIENCE	90943	Investigate the implications of heat in everyday life (1.4)	INT	4		Numeracy
	90930	Carry out a practical chemistry investigation, with direction	INT	4		Numeracy
	90940	Demonstrate understanding of aspects of mechanics	EXT	4		Numeracy
	90948	Demonstrate understanding of biological ideas relating to genetic variation	EXT	4	Literacy	

SCIENCE (Pathways Programme) – Level One

SCIENCE PATHWAYS	90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	INT	4		Numeracy
	90930	Carry out a practical chemistry investigation, with direction (1.1)	INT	4		Numeracy
	90943	Investigate the implications of heat in everyday life (1.4)	INT	4		Numeracy
	90920	Demonstrate knowledge of the geographic distribution of agricultural and horticultural primary production in New Zealand (1.4)	INT	4	Literacy	
	90954	Demonstrate understanding of the effects of astronomical cycles on planet Earth (1.15)		4	Literacy	

TE REO MAORI – LEVEL ONE

TE REO MAORI	91085	Whakarongo kia ki mōhio te reo o tōna ao	INT	6	Literacy	
	91086	Kōrero kia whakamahi i te reo o tōna ao	INT	6	Literacy	
	91087	Pānui kia mōhio ki te reo o tōna ao)	EXT	6	Literacy	
	91088	Tuhi i te reo o tōna ao	EXT	6	Literacy	

LEVEL TWO STANDARDS

Karamu Subject	AS Number	Achievement Standard	Internal External	Credits	L1 Literacy	L1 Numeracy
BUSINESS STUDIES – LEVEL TWO						
BUSINESS STUDIES	90843	Demonstrate understanding of the internal operations of a large business	INT	3	Literacy	
	90844	Demonstrate understanding of how a large business responds to external factors	INT	4	Literacy	
	90846	Conduct market research for a new or existing product	INT	3	Literacy	Numeracy
	90848	Carry out, review and refine a business activity Within a community context with guidance	INT	9	Literacy	
BIOLOGY – LEVEL TWO						
BIOLOGY	91153	Carry out a practical investigation in a biology context	INT	4		Numeracy
	91154*	Analyse the biological validity of information presented to the public	INT	3	Literacy	
	91155	Demonstrate understanding of adaptation of plants and animals to their way of life (2.3)	INT	3	Literacy	
	91156	Demonstrate understanding of life processes at the cellular level	EXT	4	Literacy	
	91157	Demonstrate understanding of genetic variation and change	EXT	4	Literacy	
	91158	Investigate a pattern in an ecological community	INT	4	Literacy	
	91159*	Demonstrate understanding of gene expression	EXT	4	Literacy	
CHEMISTRY – LEVEL TWO						
CHEMISTRY	91161	Carry out quantitative analysis	INT	3	Literacy	
	91164	Demonstrate understanding of the nature bonding, structure and energy changes	EXT	5	Literacy	
	91165	Demonstrate understanding of the properties of selected organic compounds	EXT	4	Literacy	
	91166	Demonstrate understanding of chemical activity	EXT	4	Literacy	
DANCE – LEVEL TWO						
DANCE	91211	Interpret a dance performance with supporting evidence	EXT	4	Literacy	
	91211	Demonstrate understanding of a dance genre Or style in context	EXT	4	Literacy	
DIGITAL TECHNOLOGIES– LEVEL TWO						
DIGITAL TECH.	91367	Demonstrate understanding of advanced concepts of information systems used to manage shared information (2.40)	EXT	3	Literacy	
DRAMA – LEVEL TWO						
DRAMA	91213	Apply drama techniques in a scripted context (2.1)	INT	4	Literacy	
	91214	Devise and perform a drama to realise an intention (2.2)	INT	5	Literacy	
	91216	Perform features of a complex drama/theatre form (2.4)	INT	4	Literacy	
	91218	Perform a substantial acting role in a scripted production (2.6)	INT	5	Literacy	
	91215	Discuss a drama/theatre form or period with reference to text (2.3)	EXT	4	Literacy	

DESIGN & VISUAL COMMUNICATION – LEVEL TWO						
GRAPHICS	91341	Develop a spatial design through graphics practice	INT	6	Literacy	
ENGLISH – LEVEL TWO						
ENGLISH	91101	Produce a selection of crafted and controlled writing	INT	6	Literacy	
	91106*	Form developed personal response to independently read texts, supported by evidence	INT	4	Literacy	
	91102	Construct and deliver a crafted and controlled oral text	INT	3	Literacy	
	91098	Analyse specified aspects(s) of studied written text(s) with written evidence	EXT	4	Literacy	
	91100	Analyse significant aspects of unfamiliar written text(s) through close reading, using supporting evidence	EXT	4	Literacy	
	91099	Analyse specified aspect(s) of studied visual or oral text(s) with supporting evidence	EXT	4	Literacy	
	91104*	Analyse significant connections across texts, with supporting evidence	INT	4	Literacy	
	91105*	Use information literacy skills to form developed conclusions	INT	4	Literacy	
	91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	INT	3	Literacy	
	91103	Create a crafted and controlled visual and verbal text	INT	3	Literacy	
ENGLISH PATHWAYS						
ENGLISH PATHWAYS	91101	Produce a selection of crafted and controlled writing	INT	6	Literacy	
	91104*	Analyse significant connections across texts, with supporting evidence	INT	4	Literacy	
	91102	Construct and deliver a crafted and controlled oral text	INT	3	Literacy	
	91103*	Create a crafted and controlled visual text	INT	3	Literacy	
	91098	Analyse specified aspects(s) of studied written text(s) with written evidence	EXT	4	Literacy	
	91105*	Use information literacy skills to form developed conclusions	INT	4	Literacy	
	91106*	Form developed personal response to independently read texts, supported by evidence	INT	4	Literacy	
	90052	Produce creative writing	INT	3	Literacy	
	90053	Produce formal writing	INT	3	Literacy	
FOOD & NUTRITION – LEVEL TWO						
FOOD & NUTRITION	91299	Analyse issues related to the provision of food for people with specific needs	INT	5	Literacy	
	91300	Analyse the relationship between well-being, food choices and the determinants of health	EXT	4	Literacy	
	91301	Analyse beliefs, attitudes and practices related to a nutritional issue for families in New Zealand	INT	5	Literacy	
	91302	Evaluate sustainable food related practices	INT	5	Literacy	
	91304	Evaluate health promoting strategies designed to address a nutritional need	EXT	4	Literacy	

HISTORY – LEVEL TWO

HISTORY Level Two	91231	Examine sources of an historical event of significance to New Zealanders (2.3)	EXT	4	Literacy	
	91232	Interpret different perspectives of people in an historical event of significance to New Zealanders(2.4)	INT	5	Literacy	
	91233	Examine causes and consequences of a significant historical event (2.5)	EXT	5	Literacy	
	91200	Examine ideas and values of the classical world (2.1)	EXT	4	Literacy	

GEOGRAPHY – LEVEL TWO

GEOGRAPHY	91240	Demonstrate understanding of a large natural environment	EXT	4	Literacy	
	91241	Demonstrate geographic understanding of an urban pattern	INT	3	Literacy	
	91242	Demonstrate geographic understanding of differences in development	EXT	4	Literacy	
	91243	Apply concepts and geographic skills to demonstrate understanding of a given environment)	EXT	4	Literacy	
	91244	Conduct geographic research with guidance	INT	5	Literacy	Numeracy
	91245	Explain aspects of a contemporary geographic issue	INT	3	Literacy	
	90246	Explain aspects of a geographic topic at a global scale	INT	3	Literacy	

MATHEMATICS – LEVEL TWO

MATHEMATICS	91256	Apply co-ordinate geometry methods in solving problems	INT	2		Numeracy
	91257	Apply graphical models in solving problems	INT	4		Numeracy
	91259	Apply trigonometric relationships in solving problems	INT	3		Numeracy
	91261	Apply algebraic methods in solving problems	EXT	4		Numeracy
	91262	Apply calculus methods in solving problems (2.7)	EXT	5		Numeracy
	91264	Use statistical methods to make an inference (2.9)	INT	4	Literacy	Numeracy

MATHEMATICS WITH STATISTICS – LEVEL TWO

MATHEMATICS WITH STATISTICS	91258	Apply sequences and series in solving problems	INT	2		Numeracy
	91259	Apply trigonometric relationships in solving problems	INT	3		Numeracy
	91260	Use networks in solving problems	INT	2		Numeracy
	91264	Use statistical methods to make an inference	INT	4	Literacy	Numeracy
	91265	Conduct an experiment to investigate a situation using statistical methods	INT	3	Literacy	Numeracy
	91267	Apply probability methods in solving problems	EXT	4	Literacy	Numeracy
	91268	Investigate a situation using a simulation	INT	2	Literacy	Numeracy

MEDIA STUDIES – LEVEL TWO

MEDIA STUDIES	91249	Demonstrate understanding of narrative in media texts	INT	4	Literacy	
	91250	Demonstrate understanding of representation in the media	INT	4	Literacy	
	91251	Demonstrate understanding of an aspect of a media genre	EXT	4	Literacy	
	91252	Produce a design and plan for a developed media product, using a range of conventions	INT	4	Literacy	
	91253	Complete a developed media product using a range of conventions, from a design & plan	INT	6	Literacy	
	91254	Demonstrate understanding of an ethical issue in the media	INT	3	Literacy	
	91255	Write developed media text for a specific target audience	INT	3	Literacy	

MUSIC – LEVEL TWO

MUSIC	91276*	Demonstrate knowledge of conventions in a range of music scores (2.6)	EXT	4	Literacy	
	91277*	Demonstrate understanding of two substantial contrasting music works (2.7)	EXT	6	Literacy	

PHYSICAL EDUCATION – LEVEL TWO

PHYSICAL EDUCATION	91328	Explain how biophysical principles relate to the learning of physical skills	INT	5	Literacy	
	91329	Apply biophysical principles to training for physical activity and explain the application	INT	4	Literacy	
	91332	Apply and explain appropriate leadership strategies that contribute to the effective functioning of a group	INT	4	Literacy	
	91333	Explain the application of risk management strategies to a challenging outdoor activity	INT	3	Literacy	

PHYSICS - LEVEL TWO

PHYSICS	91168	Carry out a practical investigation that leads to a non-linear mathematical relationship	INT	4	Literacy	
	91170	Demonstrate understanding of waves	EXT	4	Literacy	Numeracy
	91171	Demonstrate understanding of mechanics	EXT	6	Literacy	Numeracy
	91172	Demonstrate understanding of atomic and nuclear physics	INT	3	Literacy	
	91173	Demonstrate understanding of electricity and electromagnetism	EXT	6	Literacy	
	91169	Demonstrate understanding of physics relevant to a selected context	INT	3	Literacy	

SCIENCE – LEVEL TWO

SCIENCE	91168	Carry out a practical investigation that leads to a non-linear mathematical relationship	INT	4	Literacy	
	91161	Carry out quantitative analysis of chemical compounds	INT	3	Literacy	
	91169	Demonstrate understanding of physics relevant to a selected context	INT	3	Literacy	
	91158	Investigate a pattern in an ecological community	INT	4	Literacy	

SPORT EDUCATION – LEVEL TWO

SPORT EDUCATION	91332	Apply and explain appropriate leadership strategies that contribute to the effective functioning of a group	INT	4	Literacy	
	91336	Explain group processes in physical activity.	INT	3	Literacy	

TE REO MAORI – LEVEL TWO

TE REO MAORI	91284	Whakarongo kia mōhio ki te reo o te ao torotoro	INT	4	Literacy	
	91285	Kōrero kia whakamahi i te reo o te ao Torotoro	INT	6	Literacy	
	91286	Pānui kia mōhio ki te reo o te ao torotoro	EXT	6	Literacy	
	91287	Tuhi i te reo o to ao torotoro	EXT	6	Literacy	
	91288	Waihanga tuhinga i te reo o te ao torotoro	INT	6	Literacy	

VISUAL ARTS – LEVEL TWO

VISUAL ARTS	91305	Demonstrate an understanding of methods and ideas from established practice appropriate to design	INT	4	Literacy	
	91306	Demonstrate an understanding of methods and ideas from established practice appropriate to painting	INT	4	Literacy	
	91308	Demonstrate an understanding of methods and ideas from established practice appropriate to print-making	INT	4	Literacy	