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S2008/023  
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**TO: All HODs  
Principal  
Principal's Nominee**

### **Suggested Times for 2008 Examination Papers**

Attached to this circular is a copy of the *Suggested Examination Times for Candidates 2008* for levels 1, 2 and 3 National Certificate of Educational Achievement (NCEA) examination papers.

**Note:**

- 1 All written Scholarship examinations are of three hours' duration.
- 2 A fold-out back flap is included in all Scholarship examination answer booklets again this year to assist markers with the collation of marks.

Schools are requested to give this information to appropriate Heads of Department/Faculty or subject teachers to pass on to their candidates prior to the examinations.

For further information, teachers should refer to the Assessment Specifications for each externally assessed standard on the New Zealand Qualifications Authority website at [www.nzqa.govt.nz/ncea/index.html](http://www.nzqa.govt.nz/ncea/index.html).

### **Enquiries**

Please refer any enquiries relating to the contents of this circular to:

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Circulars are available from the New Zealand Qualifications Authority website ([www.nzqa.govt.nz/publications/circulars](http://www.nzqa.govt.nz/publications/circulars)).



**Suggested Examination Times for 2008 Candidates**  
**NCEA Levels 1, 2 and 3**

<b>Subject</b>	<b>Exam Session Length</b>	<b>External Achievement Standard Title</b>	<b>Advised times (minutes)</b>
<b>Accounting</b> Level 1	3 hours	90022 Demonstrate an understanding of the conceptual basis of accounting	40
		90023 Describe a method of processing financial information and analyse transactions	30
		90026 Prepare financial statements for sole proprietors	40
		90027 Report financial information for an individual or household, and community organisations	30
		90028 Analyse and interpret information for a sole proprietor(s)	40
Level 2	3 hours	90220 Explore the conceptual basis of accounting for a sole proprietor	30
		90223 Demonstrate understanding of accounting processes for accounting subsystems	50
		90224 Prepare financial statements and related accounting entries for sole proprietors	50
		90225 Analyse and interpret information and make recommendation(s) for a sole proprietor	40
Level 3	3 hours	90500 Describe and apply the conceptual basis of accounting in context	40
		90501 Process financial information for partnerships and companies	25
		90502 Process financial information for a manufacturing job cost subsystem	25
		90503 Report financial statements for partnerships and companies	60
		90505 Explain and prepare information for management decision making	30
<b>Agricultural and Horticultural Science</b> Level 1	3 hours	90158 Describe the properties and management of soil	40
		90159 Describe aspects of primary industry production in New Zealand	25
		90160 Describe the environmental impact of primary production management	25
		90154 Describe livestock management and livestock physiology important to this management	40
		90155 Describe management practices used in pasture/crop production	40
		90175 Interpret a landscape plan and redesign it to suit the user(s) and/or environment	30
		90745 Describe plant propagation methods	30
		90746 Describe plant structure, function and processes, and plant management practices	40

<b>Agricultural and Horticultural Science</b> Level 2	3 hours	90451 Describe physical factors of the environment and techniques used to modify them for plant production	40
		90452 Describe how techniques used to modify soil water content optimise primary production	40
		90453 Describe modification of livestock reproduction or plant propagation to improve productivity	40
		90454 Describe manipulations to influence growth and development, and productivity, in livestock or plants	40
Level 3	3 hours	90651 Explain how market forces affect supply and demand of primary products	60
		90652 Explain market requirements and the production process for a nationally significant primary product	70
		90653 Analyse a primary production environmental issue	50
<b>Art History</b> Level 2	3 hours	90227 Discuss art works	60
		90228 Examine subjects and themes in art	60
		90230 Examine an art movement	60
Level 3	3 hours	90490 Analyse style in art	60
		90491 Describe the meaning of iconographic motifs	40
		90495 Examine the context of an art movement	40
<b>Biology</b> Level 1	3 hours	90163 Describe the transfer of genetic information	40
		90166 Describe the functioning of human digestive and skeletomuscular systems	55
		90167 Describe plant processes	50
		90168 Describe how humans use and are affected by micro-organisms	35
Level 2	3 hours	90459 Describe genetic variation and change	35
		90461 Describe concepts and processes relating to ecology	40
		90462 Describe diversity in the structure and function of animals	35
		90463 Describe diversity in the structure and function of plants	35
		90464 Describe cell structure and function	35
Level 3	3 hours	90715 Describe the role of DNA in relation to gene expression	40
		90716 Describe animal behaviour and plant responses in relation to environmental factors	40
		90717 Describe processes and patterns of evolution	40
		90719 Describe trends in human evolution	40
<b>Chemistry</b> Level 1	3 hours	90171 Describe chemical reactions	40
		90172 Describe atomic structure and bonding	30
		90173 Describe selected non-metals and their compounds	40
		90640 Describe properties and reactions of metals, acids and bases	40
		90648 Describe properties and reactions of carbon and its compounds	30
Level 2	3 hours	90308 Describe the nature of structure and bonding in different substances	45
		90309 Describe the structural formulae and reactions of compounds containing selected organic functional groups	45
		90310 Describe thermochemical and equilibrium principles	55
		90311 Describe oxidation-reduction reactions	35

<b>Chemistry</b> Level 3	3 hours	90696 Describe oxidation-reduction processes	35
		90698 Describe aspects of organic chemistry	45
		90700 Describe properties of aqueous systems	45
		90780 Describe properties of particles and thermochemical principles	45
<b>Classical Studies</b> Level 2	3 hours	90247 Examine a passage from a work of classical literature in translation	50
		90248 Examine a work of classical art and/or architecture	50
		90249 Examine in essay format an aspect of the classical world	50
Level 3	3 hours	90511 Explain a passage or passages from a work of classical literature in translation	50
		90512 Explain a work or works of classical art	50
		90513 Explain in essay format an aspect of the classical world	50
<b>Dance</b> Level 1	3 hours	90004 View, interpret and respond to a dance performance	60
		90005 Demonstrate knowledge of a dance genre or style	60
Level 2	3 hours	90297 Analyse and discuss a dance performance	60
		90298 Demonstrate knowledge of influences on a selected dance genre or style	60
Level 3	3 hours	90597 Analyse and evaluate a dance performance	60
		90598 Discuss the features and development of dance in Aotearoa/New Zealand	60
<b>Drama</b> Level 1	3 hours	90011 Describe the techniques, elements, conventions and technologies of drama in a new context and reflect on performance	60
Level 2	3 hours	90304 Apply knowledge of and make judgements about drama processes and performance in a new context.	60
Level 3	3 hours	90610 Demonstrate knowledge of theatre form or period by analysing and interpreting two scripted texts	75
		90612 Analyse drama processes in a new context and reflect critically on drama performance	90
<b>Economics</b> Level 1	3 hours	90195 Describe concepts related to consumer choice and demand	40
		90196 Describe producers, resources and production	45
		90197 Describe the concept of supply	30
		90198 Describe the market and market equilibrium	45
		90199 Describe major sectors of the economy and the relationships between them	20
Level 2	3 hours	90794 Describe inflation and its causes and effects using economics models	40
		90795 Describe international trade and its causes and effects using economic models	40
		90796 Describe economic growth and its causes and effects using economic models	40
		90798 Describe government policies in relation to economic issues	60
Level 3	3 hours	90629 Understand marginal analysis and the behaviour of firms	45
		90630 Describe an economic problem, allocative efficiency, and market responses to change	45
		90631 Describe market failure and government interventions to correct for market failure	35
		90632 Describe and illustrate aggregate economic activity	55

<b>Education for Sustainability</b> Level 2	3 hours	90812 Describe world views, their expression through practices and activities and the consequences for a sustainable future	60
		90814 Describe aspects of sustainability in relation to a sustainable future.	60
<b>English</b> Level 1	3 hours	90053 Produce formal writing	40
		90054 Read study and show understanding of extended written text(s)	30
		90055 Read study and show understanding of short written texts	30
		90056 View/listen to, study and show understanding of a visual or oral text(s)	30
		90057 Read and show understanding of unfamiliar texts	50
Level 2	3 hours	90377 Analyse extended written text(s)	40
		90378 Analyse short written texts	40
		90379 Analyse a visual or oral text	40
		90380 Read unfamiliar texts and analyse the ideas and language features	60
Level 3	3 hours	90721 Respond critically to written text(s) studied	45
		90722 Respond critically to Shakespearean drama studied	45
		90723 Respond critically to oral or visual text studied	45
		90724 Read and respond critically to unfamiliar prose and poetry texts	45
<b>Geography</b> Level 1	3 hours	90202 Describe an extreme natural event and the human response	40
		90203 Describe population patterns, processes and issues	40
		90204 Describe resource use in a farming or mining context	40
		90205 Apply skills and ideas with direction in a geographic context	50
Level 2	3 hours	90331 Explain a natural landscape	45
		90332 Explain an urban settlement	45
		90333 Explain disparities in development within or between countries	30
		90334 Apply skills and ideas, in a geographic context	60
Level 3	3 hours	90701 Analyse natural processes in the context of a geographic environment	55
		90702 Analyse a cultural process	55
		90704 Select and apply skills and ideas in a geographic context	55
<b>Health</b> Level 1	3 hours	90062 Describe influences on adolescent eating patterns and promote healthier food choices	50
		90063 Describe changing states of health and strategies for managing these changes	50
		90066 Demonstrate understanding of issues relating to drug use	50
Level 2	3 hours	90326 Describe an adolescent health issue	60
		90327 Describe aspects of mental health	60
		90329 Describe an issue relating to personal safety in interaction with others	60
Level 3	3 hours	90709 Analyse an international health issue	70
		90711 Explain a contemporary dilemma or ethical issue in relation to well-being	50
		90712 Examine models of health promotion and their applications for well being	60
<b>History</b> Level 1	3 hours	90211 Interpret historical sources	45
		90212 Describe the perspectives and related actions of people in an historical setting	40
		90213 Describe an historical development, in an essay	40
		90214 Describe experiences that have been significant to the identity of New Zealanders	40

<b>History</b> Level 2	3 hours	90467 Examine evidence in historical sources	60
		90469 Examine how a force or movement in an historical setting influenced people's lives, in an essay	50
		90470 Examine individual or group identity in an historical setting, in an essay	50
Level 3	3 hours	90656 Analyse and evaluate evidence in historical sources	60
		90657 Examine a significant decision made by people in history, in an essay	60
		90658 Examine a significant historical situation in the context of change, in an essay	60
<b>Home Economics</b> Level 1	3 hours	90146 Identify how societal influences may impact on the hauora/well-being of families	45
		90748 Interpret and apply food and nutrition information	45
Level 2	3 hours	90241 Examine the impact of the living environment on hauora/well-being	60
		90244 Describe beliefs and practices associated with vegetarianism	60
		90246 Examine New Zealand food choices and eating patterns	60
Level 3	3 hours	90533 Discuss the influences of media messages on food choices	70
		90534 Discuss the effects of globalisation on food choices in New Zealand	70
<b>Human Biology</b> Level 1	3 hours	90176 Describe how humans respond to pathogens	30
		90177 Describe maintenance of normal body functioning	30
		90178 Describe functioning of human circulatory, respiratory, and excretory systems	70
		90179 Describe functioning of the human reproductive system	40
<b>Languages: Chinese, French, German, Japanese, Samoan, Spanish</b>  Level 1	3 hours	90072 90084 90090 90102 90119 90125 Listen to and understand simple spoken (Chinese, French, German, Japanese, Samoan, Spanish) in familiar contexts	50
		90075 90087 90093 90105 90122 90128 Read and understand simple written (Chinese, French, German, Japanese, Samoan, Spanish) in familiar contexts	45
		90076 90088 90094 90106 90123 90129 Write text in simple (Chinese, French, German, Japanese, Samoan, Spanish) on a familiar topic	45

<b>Languages: Chinese, French, German, Japanese, Samoan, Spanish Level 2</b>	3 hours	90382 90395 90401 90484 90419 90426	Listen to and understand spoken language in (Chinese, French, German, Japanese, Samoan, Spanish) in less familiar contexts	50
		90385 90398 90404 90487 90422 90429	Read and understand written language in (Chinese, French, German, Japanese, Samoan, Spanish) in less familiar contexts	45
		90386 90399 90405 90488 90423 90430	Write text in (Chinese, French, German, Japanese, Samoan, Spanish) on a less familiar topic	60
Level 3	3 hours	90546 90558 90564 90570 90582 90588	Listen to and understand complex spoken (Chinese, French, German, Japanese, Samoan, Spanish) in less familiar contexts	60
		90549 90561 90567 90573 90585 90591	Read and understand written (Chinese, French, German, Japanese, Samoan, Spanish) containing complex language, in less familiar contexts	55
		90550 90562 90568 90574 90586 90592	Write text in (Chinese, French, German, Japanese, Samoan, Spanish) using complex language on a less familiar topic	60
<b>Latin Level 1</b>	3 hours	90114	Translate elementary unfamiliar Latin prose into English	45
		90115	Read and comprehend elementary unfamiliar Latin prose	45
		90116	Understand a passage from a familiar Latin literary text	30
Level 2	3 hours	90259	Translate unfamiliar narrative Latin prose into English	45
		90260	Read and comprehend unfamiliar narrative Latin prose	45
		90261	Translate and understand a familiar literary Latin passage from Virgil	45
Level 3	3 hours	90506	Translate unfamiliar Latin prose into English	45
		90507	Translate unfamiliar Latin poetry into English	45
		90508	Translate and analyse a familiar literary Latin passage(s) from Virgil	45
<b>Mathematics Level 1</b>	3 hours	90147	Use straightforward algebraic methods and solve equations	30
		90148	Sketch and interpret graphs	25
		90151	Solve straightforward number problems in context	25
		90152	Solve right-angled triangle problems	30
		90153	Use geometric reasoning to solve problems	25
		90194	Determine probabilities	30
		90799	Demonstrate an understanding of straightforward algebraic methods	30
90800	Demonstrate an understanding of the features of graphs	25		

<b>Mathematics</b> Level 2	3 hours	90284 Manipulate algebraic expressions and solve equations	30
		90285 Draw straightforward non-linear graphs	30
		90286 Find and use straightforward derivatives and integrals	30
		90287 Use coordinate geometry methods	25
		90290 Use straightforward problems involving arithmetic and geometric sequences	25
		90292 Solve straightforward trigonometric equations	25
<b>Mathematics</b> Level 2 CAS	3 hours	90806 Demonstrate an understanding of mathematical relationships	70
		90807 Demonstrate an understanding of calculus methods	55
		90808 Demonstrate an understanding of processes involving trigonometry and coordinates	55
<b>Mathematics with Calculus</b> Level 3	3 hours	90635 Differentiate functions and use derivatives to solve problems	50
		90636 Integrate functions and use integrals to solve problems	50
		90638 Manipulate real and complex numbers, and solve equations	40
		90639 Sketch graphs of conic sections and write equations related to conic sections	40
<b>Media Studies</b> Level 2	3 hours	90276 Describe the relationship between a media product and its target audience	60
		90278 Demonstrate understanding of messages and/or values, and representations within media texts	60
		90279 Demonstrate understanding of a media genre	60
Level 3	3 hours	90599 Demonstrate understanding of a specific media industry	60
		90602 Explain the relationship between a media genre and society	60
<b>Music</b> Level 1	3 hours	90015 Aurally identify, describe and transcribe music elements from simple music	45
		90016 Identify and describe fundamental materials of music	45
Level 2	3 hours	90268 Identify, describe and transcribe elements of music through listening to a range of music	55
		90269 Demonstrate an understanding of the materials and processes of music in a range of scores	70
<b>Making Music</b> Level 3	3 hours	90777 Demonstrate aural skills across a range of musical styles and genres	70
<b>Music Studies</b> Level 3	3 hours	90498 Compare and contrast music works	120
		90530 Demonstrate an understanding of harmonic and tonal procedures in a range of music	60
<b>Physics</b> Level 1	3 hours	90182 Demonstrate understanding of wave and light behaviour	50
		90183 Demonstrate understanding of mechanics in one dimension	50
		90184 Demonstrate understanding of heat transfer and nuclear physics	30
		90185 Demonstrate understanding of electricity and magnetism	50
Level 2	3 hours	90254 Demonstrate understanding of wave phenomena	40
		90255 Demonstrate understanding of mechanics	60
		90256 Demonstrate understanding of atoms and radioactivity	20
		90257 Demonstrate understanding of electricity and electromagnetism	50
Level 3	3 hours	90520 Demonstrate understanding of wave systems	35
		90521 Demonstrate understanding of mechanical systems	55
		90522 Demonstrate understanding of atoms, photons and nuclei	35
		90523 Demonstrate understanding of electrical systems	55

<b>Science</b> Level 1	3 hours	90188 Describe aspects of biology	40
		90189 Describe aspects of chemistry	40
		90190 Describe aspects of geology	30
		90191 Describe aspects of physics	40
		90192 Describe aspects of astronomy	25
Level 2	3 hours	90764 Describe the nature and life cycle of stars	25
		90766 Describe the chemical properties and effects of fertilizers	35
		90767 Describe New Zealand's geological history	35
		90768 Use physics concepts and principles to describe the behaviour of light	40
		90772 Describe the factors and processes involved in the evolution of New Zealand's plants and animals	40
Level 3	3 hours	90729 Describe genetic processes	45
		90730 Describe selected organic compounds and their uses	45
		90731 Describe geological processes affecting New Zealand	25
		90732 Describe selected properties and applications of EMR, radioactive decay, sound and ultrasound	45
<b>Social Studies</b> Level 1	3 hours	90215 Describe change in society	90
		90216 Describe people's participation in society	90
Level 2	3 hours	90271 Describe the effect of an aspect of society on people	80
		90272 Describe how people's actions influence society	100
Level 3	3 hours	90689 Examine diversity in society	90
		90690 Examine people's responses to challenges facing society	90
<b>Statistics and Modelling</b> Level 3	3 hours	90642 Calculate confidence intervals for population parameters	35
		90643 Solve straightforward problems involving probability	40
		90644 Solve equations	65
		90646 Use probability distribution models to solve straightforward problems	40
<b>Te Reo Māori</b> Level 1	3 hours	90133 Pānui i te reo o tōna ao	90
		90134 Tuhituhi i te reo o tōna ao	90
Level 2	3 hours	90441 Pānui i te reo o tōna ao mōhio	90
		90770 Tuhituhi i te reo o tōna ao mōhio	90
Level 3	3 hours	90781 Pānui kia whai māramatanga i te reo o te ao whānui	70
		90782 Whakaoti tuhinga okawa i te reo o te ao whānui	70
		90784 Pānui kia wetewete it te reo o te ao whānui	40
<b>Te Reo Rangatira</b> Level 1	3 hours	90135 Whakarongo i ngā horopaki huhua noa	60
		90138 Tuhituhi i ngā horopaki huhua noa	60
		90804 Tuhituhi i ngā horopaki huhua noa	60
Level 2	3 hours	90442 Whakarongo ki te reo whaikupu	60
		90752 Pānui i te reo tawhito	60
		90753 Pānui i te reo hou	60
Level 3	3 hours	90536 Whakarongo ki te reo kaumātua	60
		90789 Pānui i ngā tuhinga popoto	60
		90790 Tuhituhi whakaaro e hāngai ana ki te kaupapa	60