

PROGRAMME OF THE ENTRANCE EXAMINATION AND COURSE OF STUDY IN THE NORMAL SCHOOL FOR U. C.

SUBJECTS.	FOR ENTRANCE INTO JUNIOR DIVISION.	FOR SECOND CLASS CERTIFICATE IN JUNIOR DIVISION, OR FOR ENTRANCE TO SENIOR DIVISION.	FOR ORDINARY FIRST CLASS CERTIFICATE IN SENIOR DIVISION.
ENGLISH .....	Read with ease and fluency. Parse a common prose sentence according to any recognized authority.	Read prose with correct emphasis, intelligence, and inflexion of voice. Rules of Spelling (spelling-book superseded). General principles of the philosophy of Grammar. Analyse and parse any prose sentence. Principal Greek and Latin Roots, Prefixes and Affixes. Prose Composition on any simple subject, with correct punctuation, &c.	Read Poetry and Oratorical Addresses with fluency and expression—Principles of Reading—Science of Languages—General Grammar—Analysis and Parsing of Sentences in Prose and Verse—Changes of construction. Structure of Propositions and Sentences. Etymology—Changes effected in Roots. Correct letter-writing, as regards Composition and mechanical arrangement. Composition on any given subject. History of the Origin and Literature of the English Language.
WRITING .....	Write legibly, and readily and correctly.	To write a bold rapid running hand.	
GEOGRAPHY .....	The definitions—General knowledge of the relative positions of the principal countries, with their capitals—the oceans, seas, rivers, and islands of the world.	The relative positions of all the countries of the world, with their principal cities and physical features; the Islands; Hodgins' Geography of Canada; Mathematical and Physical Geography, as taught in Sullivan's "Geography Generalized."	Use of the Globes—(Keith)—Geography of England, Ireland, Scotland, and the United States—British Colonies (Hodgins)—Rudiments of Physical Geography—(Somerville)—Structure of the Crust of the Earth.
HISTORY .....	None.....	General History of the World, from the Creation to the present time, as sketched in 5th book of lessons. Chronological Chart.	Histories of England and Canada. Philosophy of History.
EDUCATION AND THE ART OF TEACHING .	None.....	The general principles of the science of Education—General plan of School organization—Practice of teaching as exemplified in <i>Junior</i> divisions of the Model School.	The science of Education applied to the teaching of Common Schools—Methods of teaching the different branches—Practice thereof with <i>senior</i> division, Model School—Organization of Central Schools—Dimensions and structure of School-houses—Furniture and Apparatus.
* MUSIC .....	None.....	Hullah's System.	Hullah's System.
DRAWING .....	None.....	None.	Facility in making perspective outline sketches of common objects.
BOOK-KEEPING .....	None .....	The Rudiments.	Single and Double Entry.
ARITHMETIC AND MENSURATION.	Fundamental Rules, Vulgar Fractions, and Simple Proportion.	Notation, Numeration, Fundamental Rules in different scales of Notation, Greatest Common Measure, Least Common Multiple, Prime Numbers, Fractions (Vulgar and Decimal), Proportion (Simple and Compound), Practice, Percentage (including Simple Interest, Insurance, Brokerage, &c.) Square and Cube Roots, Mensuration of Surfaces, and Mental Arithmetic.	Review pass subjects of Junior Division—Discount, Fellowship, Barter, Equation of Payments, Profit and Loss, Alligation, Compound Interest, Annuities, Position, Progression, Logarithms and Applications, Intellectual Arithmetic, Mensuration of Surfaces and Solids.
ALGEBRA .....	None .....	Definitions, Addition, Subtraction, Multiplication and Division. Use of Brackets, Decomposition of Trinomials, Resolution into Factors, Involution, Square of Multinomials, Expansion of $(a+b)^n$ , Evolution, Greatest Common Measure, Least Common Multiple, Fractions, Interpretation of Symbol so $\frac{0}{0}$ , $\frac{a}{0}$ , $\infty$ , and $=$ , Simple Equations.	Review pass subjects of Junior Division, Indices, Surds, Quadratic Equations, Indeterminate Equations, Arithmetical, Geometrical and Harmonical Progression, Ratio, Proportion, Variation, Permutations, Combinations, Binomial Theorem, Notation, Decimals, Interest, &c., Properties of Numbers, Continued Fractions, Exponential Theorem, Logarithms, Algebraic Series, Cubic and Biquadratic Equations.
EUCLID .....	None .....	Books 1 and 11 with Exercises (Potts).....	Books III, IV, VI and Definitions of B.V. Exercises on Six Books (Potts.)
NATURAL PHILOSOPHY.	None .....	Properties of Matter, Statics, Hydrostatics, Dynamics, and Hydrodynamics, Human Physiology.	Heat, Light, Electricity, Galvanism, Magnetism, Optics and Acoustics Vegetable Physiology, General View of Geology.
CHEMISTRY.....	None .....	None .....	Constitution of Matter, Chemical Nomenclature, Symbols, Laws of Combination, Chemical Affinity, Crystallization, Oxygen, Hydrogen, Nitrogen, Carbon, Sulphur, Phosphorus, Chlorine, Calcium, Aluminum, Silicon, Potassium, Sodium, Iodine, Manganese, Magnesium, Iron, Lead, Fluorine and their principal compounds, Nature of Soils, Of Organic Bodies, Germination of the Seed, Development of the Plant, Source of Carbon, Hydrogen and Nitrogen, &c., in Plants, Products of Vegetable growth, Woody Fibre, Gum, Starch, Sugar, Gluten, &c., Cultivation of Plants, Composition and Formation of Soils, Mineral Constituents of Plants, Action of Manures, &c.

\* Not required of those who are naturally disqualified.