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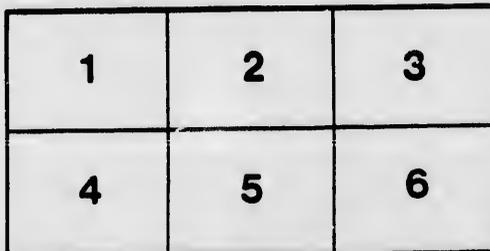
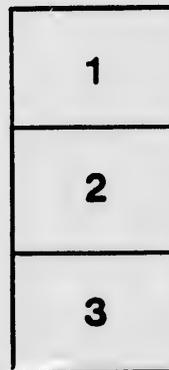
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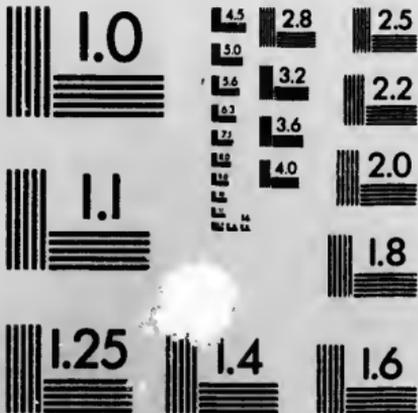
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PROSPECTUS

OF THE

STUDIES, PERRY, & C.

OF THE

St. Catharines Collegiate Institute,

— ... —

ST. CATHARINES:
JOURNAL PRINTING COMPANY, ST. PAUL STREET,
1877.



PROSPECTUS

OF THE

STUDIES, TERMS, &c.

OF THE

St. Catharines Collegiate Institute.

ST. CATHARINES:
JOURNAL PRINTING COMPANY, ST. PAUL STREET,
1877.

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Master of the Preparatory School.

JAS. H. WILSON, Second-Class A Provincial Certificate.

ST. CATHARINES COLLEGIATE INSTITUTE.

This School, which under the name of the Grantham Academy was founded in 1828 and is one of the oldest Educational Institutions in Ontario, acquired in 1871 the status and privileges of a Collegiate Institute, and has been ranked by the High School Inspectors one of the six First-class Schools in the Province. Within the last few years the Board of Trustees have greatly increased the size of the original building by adding two wings, one of which is set apart for the accommodation of the young ladies who avail themselves of the advantages afforded by the Institute. The Class-rooms are spacious and commodious; the School furniture is of the most suitable description; the different Departments are well supplied with maps and apparatus; and additional improvements are made whenever they are found necessary. Besides two large yards immediately behind the building there is an excellent play-ground, well fenced in and connected with the School premises. As the City of Catharines is situated on the Great Western Railway, a few miles from Suspension Bridge, it is consequently easy of access from every direction. Being the only First-Class School in the Niagara District, the Institute is well supported by the City and surrounding country, and of late years has attracted large numbers of students from different parts of the Province, fully one-half of the attendance being now from other Counties. The design of the Institution is to furnish a sound English and Classical Education, and to prepare candidates for Matriculation in the Universities in Arts, Medicine, Law, and Civil Engineering; for the Examinations prescribed by the Law Society and Medical Council; and for Teachers' Certificates of the 1st or 2nd Class. The staff has been selected with a view to securing the services of specialists in the different Departments, and this is now the only Institute in the Province whose Masters are all University Graduates. The success of its students at University and Teachers' Examinations, and the high position it maintains at the Intermediate, are a guarantee of the character of the instruction, and every effort will be made by the Trustees and Masters to increase its efficiency. To meet a want which is yearly becoming more urgent in connection with higher education in many localities, an efficient Preparatory School has been established, into which pupils will be admitted who are in the Third Class of the Public School Programme. Boys from a distance will be placed in approved Boarding Houses, under the Headmaster's supervision. It will be seen on examination that the courses of study are adapted to meet the requirements of various classes of students, and that, while the great aim of the School is to do higher work, there is every facility for imparting that thorough knowledge of the elementary subjects which is indispensable to a good education.

ENTRANCE QUALIFICATIONS.

Before being admitted to the Preparatory School, pupils will be expected to be conversant with the following:—Third Reading Book, to page 164; Spelling and Etymology; Third Book and Spelling Book; Writing, authorized Copy Book No. 2; Arithmetic, to end of Reduction; the elements of Grammar, Composition and Geography.

An examination for admission to the Upper and Lower Schools is held at the end of each half year by printed papers prepared by the Toronto Central Committee, and uniform throughout the Province; so that a pupil who has passed at any other High School or Collegiate Institute will be admitted on presenting his Certificate.

THIRD CLASS Teachers are admitted to the LOWER School and SECOND and FIRST to the UPPER School without any further examination, their certificates of qualification being considered equivalent to having passed the prescribed examinations for entrance.

COURSES OF STUDY.

The School is divided into three main Departments—the Preparatory, Upper, and Lower Schools. In the PREPARATORY School pupils receive the training necessary for passing the Examination for Entrance into the Lower School. The UPPER and LOWER SCHOOLS consist each of three Forms. The following are the subjects of study in each Department:—

PREPARATORY SCHOOL.

Spelling.—Third and Fourth Reading Books—the latter to p. 264—and Spelling Book; *Writing*; *Arithmetic.*—to end of Proportion—including Mental Arithmetic; *Grammar.*—Principal Grammatical Forms and Definitions; Analysis and Parsing of Simple Sentences; *Composition.*—Simple and Complex Sentences, orally and in writing; Grammatical Changes of Construction; Short Narratives or Descriptions; Familiar Letters; *Geography.*—Maps of America, Europe Asia and Africa; Maps of Canada and Ontario; *Linear Drawing.*—Outline of Maps; Common Objects on Paper; *English History.*—The Outlines of the Subject; *Reading.*—Besides the ordinary reading lessons, particular attention will be paid to the meaning thereof; and pupils will be taught to re-produce in their own language the substance of certain selections prescribed by the Educational Department.

LOWER SCHOOL.

GROUP A.—*English Language.*—Review of Elementary Work; Orthography, Etymology and Syntax; Derivation of Words; Analysis of Sentences; Rendering of Poetry into Prose; Critical Reading of portions of the Works of Authors of the Eighteenth and Nineteenth Centuries, to be prescribed from time to time by the Education De-

partment* ; Composition,—the Framing of Sentences ; Familiar and Business Letters ; Abstracts of Readings or Lectures ; Themes ; generally, the Formation of a good English Style ; Reading, Dictation and Elocution, including the learning by heart and recitation of selected passages from Standard Authors.

GROUP B.—*Mathematics*.—(a) Arithmetic, Simple and Compound Rules ; Vulgar and Decimal Fractions, Proportion ; Per-centage in its various applications ; Square Root.

(b) Algebra—Elementary Rules ; Factoring ; Greatest Common Measure ; Least Common Multiple ; Square Foot ; Fractions ; Surds ; Simple Equations of one, two and three unknown quantities ; Easy Quadratics.

(c) Geometry—Euclid, Books I. and II., with easy exercises ; Application of Geometry to the Mensuration of Surfaces.

(d) Natural Philosophy—Composition and Resolution of Forces ; Principle of Moments ; Centre of Gravity ; Mechanical Powers, Ratio of the Power to the Weight in each ; Pressure of Liquids ; Specific Gravity and Modes of determining it ; the Barometer, Syphon, Common Pump, Forcing Pump and Air Pump.

GROUP C.—*Modern Languages*.—(a) *French* ; The Accidence and Principal Rules of Syntax ; Exercises ; Introductory and Advanced French Reader ; Re-translation of easy passages into French ; Rudiments of Conversation.

(b) *German* ; The Accidence and the Principal Rules of Syntax ; Exercises ; Adler's Reader, 1st, 2nd and 3rd Parts ; Re-translation of easy passages into German ; Rudiments of conversation.

GROUP D.—*Ancient Languages*.—(a) *Latin* ; The Accidence and the Principal Rules of Syntax and Prosody ; Exercises ; Cæsar, De Bello Gallico, Book V, and Virgil, Æneid, Book II, vv. 1—300 ; Learning by heart selected portions of Virgil ; Re-translation into Latin of easy passages from Cæsar.

(b) Greek, optional.

GROUP E.—*Physical Sciences*.—Chemistry ; a course of experiments to illustrate the nature of Fire, Air, Water, and such solid substances as Limestone, Coal and Blue Vitrol ; Hydrogen, Oxygen, Nitrogen, Carbon, Chlorine, Sulphur, Phosphorus, and their more important Compounds ; Combining Proportions by weight and by volume ; Symbols and nomenclature.

GROUP F.—*History and Geography*.—(a) Leading Events of English and Canadian History, also of Roman History to the end of the second Punic War.

(b) A fair course of Elementary Geography, Mathematical, Physical and Political.

*For the latter half of 1877, and the former of 1878, Goldsmith's "Traveller" and "Deserted Village" have been prescribed.

GROUP G.—*Book-keeping, Writing and Drawing.*—(a) Single and Double Entry; Commercial Forms and Usages; Banking, Custom House, and General Business Transactions.

(b) Practice in Writing.

(c) Linear and Free Hand Drawing.

An option is permitted between (i.) Latin; (ii.) French; (iii.) German and (iv.) Natural Philosophy, Chemistry and Book-keeping.

UPPER SCHOOL.

GROUP A.—*English Language.*—Critical Reading of portions of the Works of Authors of the Sixteenth and Seventeenth Centuries, to be prescribed from time to time by the Education Department. For 1877, Shakespeare's Tragedy of "Macbeth" has been selected. Composition, Reading and Elocution; the subject generally, as far as required for Senior Matriculation with Honors in the University.

GROUP B.—*Mathematics.*—(a) Arithmetic; The Theory of the subject; Application of Arithmetic to complicated business transactions, such as Loans, Mortgages and the like.

(b) Algebra; Quadratic Equations, Proportion, Progression, Permutations and Combinations, Binomial Theorem, Properties of Numbers, etc., as far as required for Senior Matriculation with Honors.

(c) Geometry; Euclid, Books I, II, III, IV, Definitions of Book V, Book VI, with Exercises; Analytical Plane Geometry.

(d) Trigonometry, as far as required for Senior Matriculation with Honors.

(e) Natural Philosophy; Dynamics, Statics, Hydrostatics and Pneumatics.

GROUP C.—*Modern Languages.*—(a) *French*; Grammar and Exercises; Corneille, Horace: Dumas, Tulipe Noire; De Stael, L'Allemagne, Premiere Partie; Moliere, L'Avare and Les Fourberies de Scapin; Montalembert, De L'Avenir Politique de L'Angleterre; Translation from English into French; Conversation, etc., as far as is required for Junior and Senior Matriculation with Honors.

(b) *German*; Grammar and Exercises; Musaeus, Stumme Liebe; Schiller, Lied von der Glocke, Neffe als Onkel, and Wallenstein's Lager; Fouque, Aslauga's Ritter; Chamisso, Peter Schlemihl; Outlines of German Literature, 1300-1670; Translation from English into German; Conversation.

GROUP D.—*Ancient Languages.*—(a) *Latin*; Grammar; Cicero, Pro Archia and in Caecilium; Ovid, Fasti, Book I, exclusive of vv. 300-440; Virgil, Aeneid, Books I and VII, and Georgics, Book I; Caesar, Bell. Gall., Book IV, cc. 20-36, and Book V, cc. 8-23; Horace, Odes, Books I and III; Livy, Books IV and IX; Translation from English into Latin Prose, etc., as far as is required for Junior and Senior Matriculation with Honors.

(b) *Greek*; Grammar; Xenophon, Anabasis, Book I; Homer, Iliad,

Books I and XII, *Odyssey*, Books IX and XII, *Demosthenes*, *Philippics I and II*, against *Aphobus*, I and II; *Herodotus*, Book I, cc. 26-92, etc., as far as required for Junior and Senior Matriculation with Honors.

GROUP E.—Physical Science.—(a) Chemistry; Heat—its sources; Expansion; Thermometers—relations between different scales in common use; Differences between Temperature and Quantity of Heat; Specific and Latent Heat; Calorimeters; Liquefaction; Ebullition; Evaporation; Conduction; Convection; Radiation. The chief Physical and Chemical Characters, the Preparation and the characteristic Tests of Oxygen, Hydrogen, Carbon, Nitrogen, Chlorine, Bromine, Iodine, Fluorine, Sulphur, Phosphorus and Silicon. Carbonic Acid, Carbonic Oxide, Oxides and Acids of Nitrogen, Ammonia, Olefiant Gas, Marsh Gas, Sulphurous and Sulphuric Acids, Sulphuretted Hydrogen, Hydrochloric Acid, Phosphoric Acid; Phosphuretted Hydrogen, Silica.

Combining Proportions by weight and by volume; General Nature of Acids, Bases and Salts; Symbols and Nomenclature.

The Atmosphere—its constitution; Effects of Animal and Vegetable life upon its composition; Combustion; Structure and Properties of Flame; Nature and Composition of ordinary Fuel.

Water—Chemical Peculiarities of Natural Waters, such as Rain Water, River Water, Spring Water, Sea Water.

(b) Botany; applications of Chemistry to Agriculture; an introductory course of Vegetable Anatomy and Physiology, illustrated by the examination of at least one plant in each of the Crowfoot, Cress, Pea, Rose, Parsley, Sunflower, Mint, Nettle, Willow, Arum, Orchis, Lily and Grass Families; Systematic Botany; Flowering Plants of Canada.

(c) Physiology; General view of the Structure and Functions of the Human Body; The Vascular system of the Circulation; the Blood and the Lymph; Respiration; the Function of Alimentation; Motion and Locomotion; Touch, Taste, Smell, Hearing and Sight; the Nervous System.

(d) Light, and Electricity.

GROUP F.—History and Geography.—(a) History; English, the special study of the Tudor and Stuart Periods; Roman, to the death of Nero; Grecian, to the death of Alexander.

(b) Geography, Ancient and Modern. Every pupil in the Upper School must take Group A, Arithmetic, Algebra as far as Progression, History, and two other subjects from those included in Groups C, D and E. In cases of doubt, the Master shall decide. Candidates preparing for any examination shall be required to take only the subjects prescribed for such examination.

N. B.—Changes will be made in this Programme to suit those in the Curriculum of Toronto University and in the subjects for 1st and 2d class Prov. Certificates.

SPECIAL COURSES.

UNIVERSITY CLASSES.—The University Honor work in all subjects is done in Forms V and VI, and the Pass in Forms IV and V. Candidates for this Examination are, in most subjects, taught apart from the other Students during the last year of the course, special attention being paid to their preparation for University Written Examinations. Every half-year a Class in Latin and Greek is formed of young men able to enter the Upper School or Senior Classes so far as their English and Mathematics are concerned, but who have little or no knowledge of Classics, and who wish to advance in their studies more rapidly than the ordinary members of the Lower School. As preparation for University Examinations is the special function of an Institute, every exertion is made by the Masters to ensure success.

COMMERCIAL DEPARTMENT.—A thorough Commercial Education can be obtained in the Lower School, Group G, containing the special subjects of this course; but no pupil will be allowed to omit any of the other subjects of study essential to a good general education.

MED. COUNCIL, LAW SOC., AND SCH. OF ENGINEERING EXS.—The work of these Examinations is done in the routine of the Forms. A Special Class is formed for the Classical work not in the ordinary course.

SCIENCE.—The School contains one of the largest and best equipped Laboratories in the Province. The tables are furnished with the apparatus necessary for the study of Practical Science, with gas burners, a gas stove, and drawers for the use of each student, who is required to supply his own reagents. There is a stock of over 500 bottles of compounds for Qualitative analysis. The lectures in the Theoretical part of the course are illustrated by experiments, and Practical Chemistry is studied under the supervision of the Science Master. During the Summer months there are classes in Practical Botany.

YOUNG LADIES' DEPARTMENT.—This Department is separate from the rest of the establishment and the classes are taught as far as practicable, apart by the Masters. Special attention is paid to English Literature, Standard authors being read critically in all the Forms. Under the Modern Languages Master, a thorough knowledge can be acquired of French and German. French and German conversation forms part of the course. Painting and Drawing are taught by the Drawing Master. For Junior classes the subjects are Pencil, Crayon and Sepia Drawing; for Seniors, Water Colors. During the Summer months the pupils will be practised in sketching from nature.

TEACHERS' CERTIFICATES.—According to the new scheme for the preparation of Teachers, the Literary and Scientific work for SECOND CLASS Certificates will hereafter be done in the High Schools and Collegiate Institutes, and as the subjects of Examination are precisely the same as those prescribed for the High School Intermediate (the Examination for

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promotion from the Lower to the Upper School), the Lower School course of study with the optional GROUP G is the one to be taken by Candidates for such Certificates, who are examined at the same time and on the same papers as the ordinary High School students. The following are the Departmental Regulations referring specially to this subject :—

I.—Any teacher who has taught successfully for one year, may be examined on the subjects prescribed for Second Class Certificates, omitting School Law, Education, Music and Drawing; and, if he pass such examination, he shall then be eligible for admission to a Normal School, as a Teacher-in-Training with a view to his obtaining a Second Class Certificate.

II.—Any person who has passed the Intermediate Examination, or who shall pass *either* of the Intermediate Examinations to be held during the year 1877, may, on producing proof of having taught successfully for one year, be allowed to attend a Normal School as a Teacher-in-training, with a view to his obtaining a Second Class Certificate.

III.—The Examinations of Candidates for 2d Class Certificates shall be held twice a year on the same days as, and concurrently with, the Intermediate Examinations in July and December.

The Institute Classes are organized immediately after the summer and winter vacations, the work for Second Class being done in Forms III and IV. Teachers desiring to prepare for this Certificate in six months should be well versed in the subjects required for 3rd, and should read before coming, *at least* Euclid—Book I—and Algebra to the end of Simple Equations (Todhunter's). No one unable to pass a satisfactory Examination in these subjects will be admitted to Form III, in which Natural Philosophy, Chemistry, Book-keeping and English Literature may be begun.

The work for FIRST CLASS is taken up in Forms IV, V and VI, of the Upper School, and is almost identical, so far as English and Mathematics are concerned, with that for the University Honor Matriculation Examinations in these subjects. There are special classes in Natural Philosophy, Chemistry, Physics, Botany, Geology, &c., for Candidates for this grade of Certificate, and every facility is afforded to such students.

NOTE.—The work for 3d Class is precisely the same as that in Forms I and II, owing to the standard having been raised and the following additional subjects prescribed for 1878 :—Eng. Literature, Algebra to the end of Simple Equations, and Euclid, Book I. Institute Students must, however, take up also one of the optional Groups of the Lower School programme.

GENERAL INFORMATION.

EXAMINATIONS.—Besides the *Entrance and Intermediate* which take place each half year there are every month, or as often as is deemed necessary, written Examinations on the work done in the different

Classes during the previous weeks, and the questions proposed are similar in scope and character to those given at the Examinations for which the students may be preparing. When desired or in the opinion of the Headmaster considered advisable, the standing in his classes of the pupil is sent every month to the parent or guardian in a Form of Report prepared for the purpose.

TERMS.—There are four Terms, the Winter beginning Jan. 7th ; the Spring, on the Tuesday after Easter ; the Summer, on the 1st of September ; and the Autumn on the 21st of October. The best time to enter is at the beginning of the Winter or Summer Term.

BOOKS OF REFERENCE.—The Board have provided for the use of Students a good selection of Standard Dictionaries, an Encyclopedia, and other books of reference, and there are full sets of University, Normal School and Teachers' Examination Papers. Additions are constantly being made.

FEES.—The Institute Classes are free to those residents of the City of St. Catharines who have passed the Entrance Examination. The fee for others is \$4 a term ; but non-residents who have passed the Intermediate Examination attend without any charge for Tuition. The fee for members of the Preparatory School and for Students who do not rank as having passed the Entrance Examination, is \$4 a term.

BOARD, ETC.—Board may be obtained at \$2.50 and \$3.00 a week in private families and in Boarding-houses connected with the Institute. Pupils residing near the line of the Welland Railway can procure season tickets at greatly reduced rates. The morning train reaches St. Catharines shortly before 9 A.M. Arrangements have been made with the different Railways, by which Return tickets good for the vacations are procurable at reduced rates.

NOTE.—Students on their arrival at St. Catharines should call on the Headmaster at his private residence, 93 King Street. He will gladly afford such additional information as may be required in reference to Board, Classes, Books, etc.

For Prospectus address the Headmaster,

St. Catharines, July, 1877.

LIST OF BOOKS USED

—IN THE—

DIFFERENT FORMS OF THE INSTITUTE.

	FORMS.		FORMS.
Fifth Reader	1,	Morris's Historical Outlines.....	6
Companions to the Readers	1, 2, 3,	Abbott's Shaksperian Grammar	0
Campbell's Geography	1, 2, 3, 4,	<i>Spalding's or Brook's Eng. Lit.</i>	3, 4, 5, 6
<i>Collie's & E. Thomson's British History</i> ..	1, 2, 3, 4,	<i>Orme on Heat</i>	5, 6
" Roman History	3, 4,	Clerk Maxwell on Heat	5, 6
Schmitz Manual of Anc. History	5, 6	Huxley's Physiology	4, 5, 6
Green's History of the Eng. People	5, 6	Balfour Stewart's Physics	4, 5, 6
Boyd's Canadian History	2, 3,	<i>Thorpe's Chem. Problems</i>	4, 5, 6
Bryant's & Stratton's Book-Keeping	3, 4,	<i>Barff's Chemistry</i>	3, 4, 5, 6
Beatty & Clare's "	2, 3, 4,	Gill's Chemistry	3, 4, 5, 6
<i>Todhunter's Algebra for Beginners</i>	1, 2, 3, 4,	<i>Thorpe and Muir's Laboratory Practice</i> ..	3, 4,
" <i>Larger Algebra</i>	4, 5, 6	<i>Gray's How Plants Grow</i>	4, 5,
London's Algebra	5, 6	" <i>Field, Forest and Garden Botany</i> ..	4, 5, 6
Hamblin Smith's Algebra	3, 4, 5,	<i>DeFries's French Grammar</i>	1, 2, 3, 4, 5, 6
<i>Todhunter's or Pott's Euclid</i>	1, 2, 3, 4, 5, 6	" <i>Elementary French Reader</i>	2, 3,
<i>Smith & McMurphy's Larger Arithmetic</i> ..	1, 2, 3, 4,	" <i>Advanced French Reader</i>	3, 4,
<i>Hamblin Smith's Statics and Hydrostatics</i> ..	3, 4, 5, 6	Brachet's Historical French Grammar ..	3, 5, 6
<i>Brook Smith's Arithmetic</i>	4, 5, 6	" Etymological French Dictionary ..	5, 6
Robinson's Higher Arithmetic	4, 5, 6	Aim's German Grammar	3, 4,
<i>Ex. Papers by different authors</i>	1, 2, 3, 4, 5,	Adler's German Reader	2, 3, 4,
Wornell's Nat. Philosophy	3,	Harkness's Introductory Lat. Book	1,
Newth's Mechanics	3,	" Latin Reader	2,
<i>Todhunter's Mechanics, Mensuration and</i> <i>Trigonometry</i>	4, 5, 6	" <i>Latin Grammar</i>	2, 3, 4, 5, 6
Hamblin Smith's Trigonometry	5, 6	Key's, Madvig's, &c., Lat. Grammars ..	5, 6
Twisden's Principles of Mechanics		Harkness's Greek Book and Reader	3, 4,
Morris' Primer of Eng. Grammar	1, 2,	<i>Curtius's Small Greek Gram.</i>	3, 4, 5,
<i>Smith's and Mason's Man. of Eng. Gram.</i> ..	1, 2, 3, 4,	Clyde's Greek Syntax	4, 5, 6
<i>Fleming's Analysis of Eng. Lang.</i>	4, 5, 6	Donaldson's Kuhner's, &c., Greek Gram.	5, 6
August's Hand Book of English	5, 6	Arnold's Latin Composition	3, 4, 5,
Fowler's English Grammar	5, 6	Crombie's Gymnasium	5, 6
Lathan's "	5, 6	Abbott's Latin Composition	4, 5, 6
Adams's "	5, 6	Sargent and Dallin's Latin Composition	5, 6
Rushton's Canons	5, 6	Arnold's Greek Composition	5, 6
Bell's Standard Elocutionist		<i>Pillar's Anc. Geography</i>	3, 4, 5, 6

NOTE.—Various editions are used of the authors read in the Forms, in Anc., Mod., and Eng. Classics. The Master of each Department will advise the Student as to which to procure. When in the above list more than one text-book in a subject are mentioned, those used as *Class Books* are printed in Italics. The others are optional for the Student, but are used by the Master in the Class. Students who desire a thorough knowledge of a subject should not confine themselves to one text-book.

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