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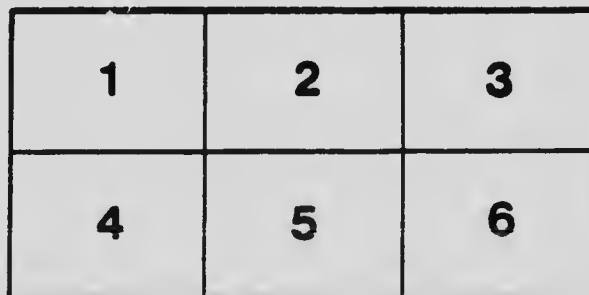
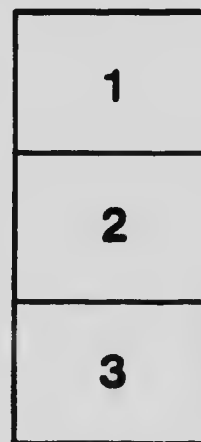
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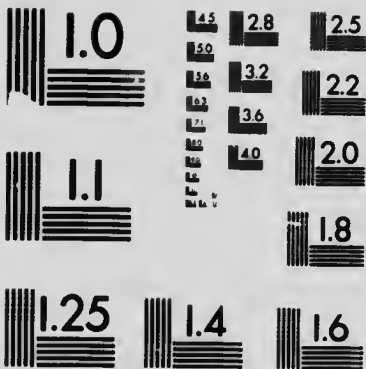
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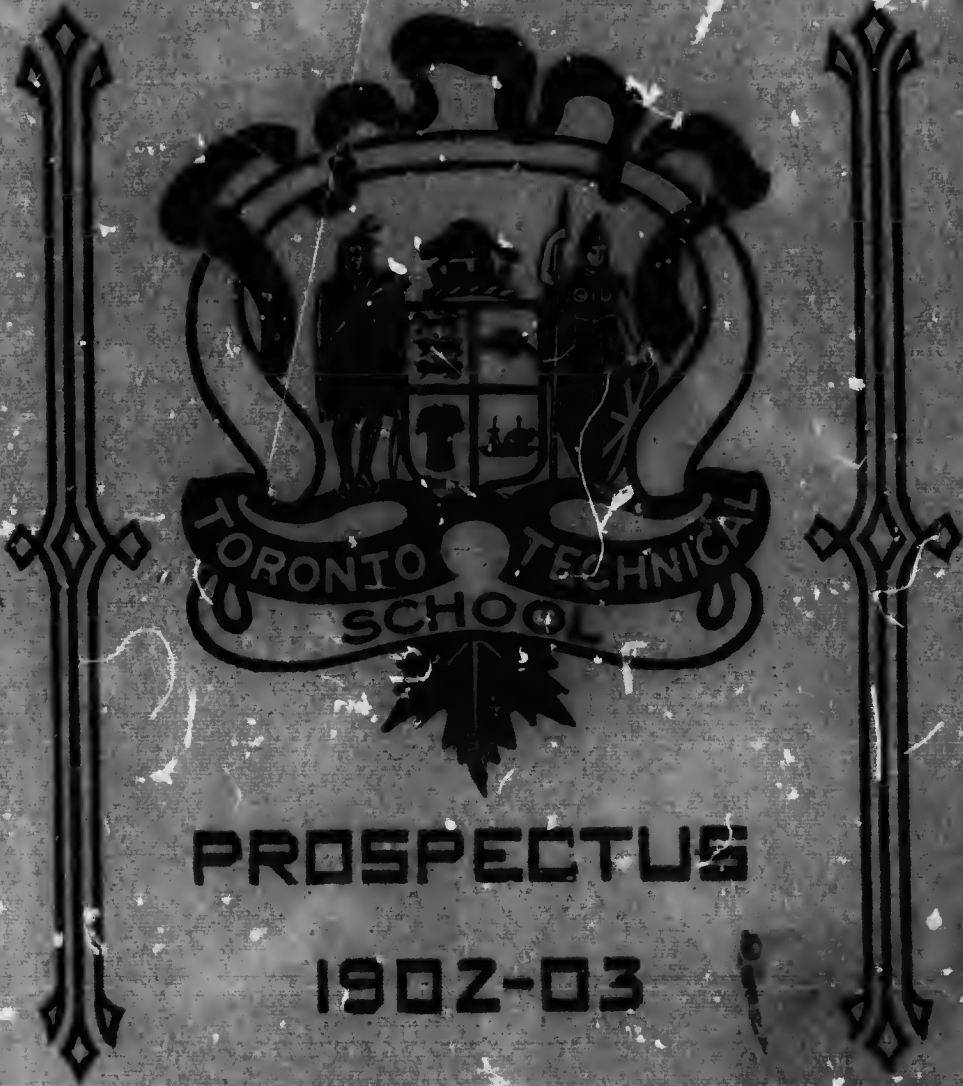
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**TORONTO  
TECHNICAL  
SCHOOL**

1902  
No. 59



**PROSPECTUS**

**1902-03**

## FACULTY OF THE SCHOOL

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### PRINCIPAL

W. PAKENHAM, B. A., D. P.ED

### HEADS OF DEPARTMENTS

A. F. MACALLUM, B. A. Sc.

*Department of Drafting and Industrial Design*

JOHN MCGOWAN, B. A., B. A. Sc.

*Department of Physics and Mechanics*

W. D. YOUNG, B. A.

*Department of Chemistry*

WM. O'CONNOR, M. A., M. D.

*Department of Mathematics*

MR. CONNOR O'DEA

*Department of Commerce and Finance*

MISS MARGARET DAVIDSON

*Department of Domestic Science*

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THE SESSION begins September 15th, 1902,  
and ends June 15th, 1903

First Term begins September 15th, and ends December 10th, 1902.

Second Term begins January 5th, and ends March 25th, 1903.

Third Term begins March 25th, and ends June 15th, 1903.

EVENING CLASSES begin October 6th, 1902,  
and end March 31st, 1903.

*PROSPECTUS*  
*of The*  
*Toronto Technical*  
*School*



*SESSION 1902-1903.*



# Toronto Technical School

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1902-1903

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MR. JAMES D. ALLAN - - - - 84 Willcocks Street

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MR. JOHN M. GANDER - - - - 157 Church Street

### Representing the Allied Printing Trades Council :

MR. WILLIAM HENDERSON - - - - 95½ University Street

### SECRETARY

A. G. HORWOOD, School Building, 149 College Street  
Telephone—Main 3667.



# Toronto Technical School

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## PROSPECTUS—SESSION 1902-1903

**T**HE TORONTO TECHNICAL SCHOOL was established by the City of Toronto in 1891, when evening classes were organized in old Wycliffe Hall, on the north side of College street, opposite McCaul street. The growing demand for technical education in Toronto induced the City Council to purchase, in 1899, the present commodious school building on College street, opposite University Crescent.

**EVENING CLASSES.**—The work of the Toronto Technical School assumes two forms—Evening Classes and Day Classes. The evening classes provide scientific and artistic training for apprentices, journeymen, foremen and others who are engaged in commercial or industrial pursuits during the daytime, and who desire supplementary instruction in the application of science and art to the trades and manufactures. At the present time the evening classes are attended by 1,700 students from fifteen to sixty-five years of age, almost all of whom are employed during the day in shop or factory. These classes are open to all students, and within certain limits each student is permitted to select those subjects which will best help him to make progress in his particular trade or business.

**DAY CLASSES.**—The day classes provide systematic instruction for those who desire before they enter the office or factory to receive scientific training of a kind that will bear directly upon industrial production and distribution; or for those who desire such a preparatory training in science and art as shall fit them later to fill higher posts in industrial operations; or for those who intend to pursue advanced courses of technical instruction in the School of Practical Science. Day students, of whom there are now 150 in attendance, are expected to take a complete course in one or other of the departments; but applications for admission to special classes will be considered.

**ADMISSION.**—Applicants for registration in the evening classes must be at least fifteen years of age. In special circumstances the Principal may admit applicants under fifteen years of age, provided that such applicants are found capable of doing the work of the classes.

Holders of high school entrance and public school leaving certificates, or students of the fifth forms of the public schools who are recommended by their Principals, will be admitted to the day classes on application. Other applicants for admission must pass such examinations as the Principal may prescribe. Applicants for registration in special classes will receive special consideration.

**COURSES OF STUDY.**—The school embraces six departments :

- I. Drafting and Design**
- II. Physics (including Mechanics)**
- III. Chemistry**
- IV. Mathematics**
- V. Domestic Science**
- VI. Commerce and Finance.**

While the course of study in each of the first five of these departments covers two years, the school provides, in addition, a general preparatory course of one year. Every student, unless exempted as a special student, or unless admitted to the school on the basis of at least two years' training in a high school, must take the subjects of this general course. The department of Commerce and Finance includes the work of two years, and all the subjects of these two years are obligatory upon the general students. The applications of special students for special courses in either the commercial or stenographic branches will be considered.

**TERMS AND FEES.**—The evening school opens October 6th, 1902, and closes March 31st, 1903, with the usual Christmas vacation.

The day school session of 1902-3 is divided into three terms : September 15th to December 19th, January 5th to March 25th, March 26th to June 15th. The mid-term dates for the session are : November 1st, February 14th, May 5th.

The evening classes are held between 7.45 and 9.30 o'clock for five nights per week ; the day classes between 9 a.m. and 3.30 p.m., with the usual noon interval.

The evening classes are absolutely free.

The fee for the general course of the day classes is \$5 per term or \$15 per year.

For the second year in any department except Domestic Science and the Commercial Department the fee is \$8 per term, or \$24 per year. For each year in the Commercial Department and for the third year in the other departments the fee is \$10 per term, or \$30 per year. The fee for special students in any department or sub-department is \$10 per term, except for modelling from life, where the fee is \$12 per term, for the special courses in higher mathematics and for the special stenographic and bookkeeping courses (combined), where the fee is \$15 per term.

In the Domestic Science Department the fee for the normal course and the housekeepers' course is \$20 per term, for plain cookery \$2, invalid cookery \$3, superior cookery \$4, and for any branch of household economics \$2.

Fees for each term must be paid in full before students are admitted to the classes. Half fees will be accepted after the mid-term dates ; otherwise no reductions are allowed. Refunds will not be made to students who have been duly registered and admitted.

Deposits for locker keys (50 cents each) and for supplies in practical chemistry (\$2 each) are required of both evening and day classes. These deposits, less losses and breakages, will be refunded if application be made within the last two weeks of the session.

**DISCIPLINE.**—Punctual and regular attendance at classes and examinations is insisted upon. The principal, as advised by the staff, shall make all promotions and transfers from class to class. Subject to the right of appeal, he may suspend from attendance any student whose conduct is subversive of the moral tone of the school.

**DIPLOMAS.**—Diplomas will be awarded such students as have attended regularly the classes and passed satisfactorily the examinations in the subjects of a department. Proficiency certificates in special subjects will be issued to such students as have complied with these conditions with respect to the subjects concerned.

**NOTES.**—The school library is open for the use of the students.

School books, drawing material, etc., may be purchased in the supply room of the school.

The School Board reserves the right to retain drawings and models made by the students.



TORONTO TECHNICAL SCHOOL.

# DAY SCHOOL.

## General Course.

### FIRST YEAR.

#### **Drafting—**

Freehand Drawing, Lettering, Practical Geometry, Descriptive Geometry, Elementary Machine Drawing.

#### **Physics—**

(a) Outlines of Physical Science, including Properties of Matter, Specific Gravity, Force, Motion.

(b) Laboratory work in the elements of Physical Science.

#### **Chemistry—**

(a) Study of Oxygen, Hydrogen, Chlorine, Nitrogen, Carbon, Sulphur, and their more important compounds; Nomenclature, Laws of Combination of the Elements, Atomic and Molecular Theories, Acids and Bases, Chemical Arithmetic.

(b) Laboratory work in preparation of apparatus, Chemical Change, Solution, Precipitation, Filtration, Preparation of Non-Metals, and their more important compounds, Detection of Acids.

#### **Mathematics—**

Arithmetic: Fractions, Metric System, Mensuration, and the Arithmetic of industrial and commercial operations.

Elementary Algebra.

Plane Geometry. (Based upon Euclid I., II.)

#### **Practical English—**

Orthography, Composition, Correspondence.

#### **French and German (Optional)—**

The French and German of the Department of Commerce and Finance.

#### **Domestic Science—**

##### **COOKING AND SEWING—**

(Domestic Science, together with certain subjects in the Commerce Department, may be substituted for some of the subjects in Drafting and Mathematics.)

## DEPARTMENT OF DRAFTING AND INDUSTRIAL DESIGN.

The Drafting Rooms and Studios assigned to this Department are large, well-lighted and well-equipped. The instructors in the various branches of the Department are specialists, whose theoretical knowledge has been supplemented by practical experience in industrial operations.

The Department embraces three courses :

- I. **Architectural Drawing and Building Construction**
- II. **Mechanical Drawing and Machine Design**
- III. **Industrial Art.**

**I.—COURSE IN ARCHITECTURAL DRAWING AND BUILDING CONSTRUCTION.**

This course is intended to give students such general training in drawing, design, decorative art and building construction as will assist them to become successful architectural draughtsmen.

**JUNIOR YEAR (SECOND YEAR).**

**Drawing—**

Freehand Drawing, Descriptive Geometry, Model Drawing, Monochrome Tinting, Shades and Shadows, Orders of Architecture, Building Construction.

**Mathematics—**

Arithmetic, Algebra, Geometry of the General Course continued, Trigonometry begun.

**Physics—**

Statics, Graphic Statics, Dynamics, Nature and Properties of Materials.

**SENIOR YEAR (THIRD YEAR)**

**Drawing—**

Architectural Designs and Styles, Building Construction (continued), Sketching.

**Designing and Modelling—**

History of Architectural Ornament, Decorative Art, Mural Decoration, Modelling.

**Mathematics—**

Algebra, Geometry, Trigonometry.

**Physics—**

Statics, Graphic Statics, Dynamics, Strength of Materials.

**II.—COURSE IN MECHANICAL DRAWING AND MACHINE CONSTRUCTION.**

This course is intended for the training of mechanical draughtsmen and other holders of responsible positions in mechanical establishments.

**JUNIOR YEAR (SECOND YEAR).**

**Drawing—**

Descriptive Geometry, Perspective, Machine Drawing.

**Mathematics—**

Arithmetic, Algebra, Geometry (of the General Course, continued), Trigonometry begun.



IN MACHINE DRAWING.

**Physics—**

Statics, Graphic Statics, Dynamics, Nature and Properties of Materials, Heat, Hydrostatics and Electricity.

SENIOR YEAR (THIRD YEAR).

**Drawing—**

Descriptive Geometry (advanced), Machine Drawing and Construction, including proportioning of structures and machine parts.

**Mathematics—**

Algebra, Geometry, Trigonometry.

**Physics—**

Applied Mechanics, Strength of Materials, Graphic Statics.

**III.—COURSE IN INDUSTRIAL ART.**

This course is intended for the training of professional designers. It provides instruction in the principles of historic ornament and decorative design, with their application to the industrial arts. The course in Clay Modelling is designed to give artistic training to those intending to devote themselves to decorative sculpture in terra cotta, wood, or in those lines of manufactured goods where modern ornamentation is applicable.

JUNIOR YEAR (SECOND YEAR).

**Drawing—**

Still Life Drawing, Light and Shade, Outline from Cast, Antique Cast, Antique Figure, Details, Perspective.

**Designing—**

Designs for book-covers, ties, wall-papers, printed silk, wrought iron ; Planning of designs for printed textiles and interior decoration.

Lectures on principles of design, historical design and historical ornament.

**Modelling—**

Ornamental work for interior and exterior decoration.

Figure in Round, Bas Relief and Alto Relief.

**Mathematics—**

Arithmetic, Geometry, (continued.)

**Chemistry—**

Lectures of Second Year.

**Physics—**

Nature and Properties of Materials.

SENIOR YEAR (THIRD YEAR).

**Designing—**

Designs for stained glass, carpets, earthenware, pottery, wood carving and wrought iron.

Lectures on principles of design, weaving, historical ornament.

**Modelling—**

For lithographic reproduction, bronzes, designs. Life-class studies comprise Bas Relief, Alto Relief, Figure in Round, Artistic Anatomy, Composition.





CLASS IN CLAY MODELLING.

## DEPARTMENT OF PHYSICS AND MECHANICS.

This department provides general instruction in Physical Science with its applications to manufacturing and engineering pursuits, and special instruction in the machinery for the production and distribution of power, such as steam engines, gas engines, etc.

The apparatus for the illustration of the principles of this science and of their applications has been added to largely during the year, and a students' laboratory installed.

### JUNIOR YEAR (SECOND YEAR).

#### **Mechanics—**

Statics, Dynamics, Mechanical Powers, Work and Friction, Levers, Steelyard, Lever Safety Valve, Wheel and Axle, Block and Tackle, Differential Pulleys, Inclined Plane, Cranes.

#### **Electricity and Magnetism—**

Magnets, Cells, Telegraph, Telephone, Dynamo, Electric Light, Storage Battery, Electro Plating.

#### **Heat—**

Temperature, Thermometer, Heat and Work, Transmission of Heat.

#### **Hydrostatics and Pneumatics—**

Barometer, Syphon, Pumps, Hydraulic Presses, the Air Brake.

#### **Mathematics—**

Arithmetic, Algebra, Geometry continued, Trigonometry begun.

#### **Drawing—**

As outlined in Department of Machine Construction of second year.

### THIRD YEAR.

#### **Electricity—**

The Electric Circuit, Systems of Wiring, Direct Current Machinery, Meters, Testing, Alternating Currents.

#### **Steam Engine—**

Theory and Practice of Engines and Boilers, Indicators, Governors, Condensers.

#### **Gas Engine—**

Theory and Management of Gas, Gasoline and Oil Engines.

#### **Applied Mechanics—**

Friction Belts, Gear Wheels, Screw Threads, Worm Gears, Screw Jacks and Presses, Pumps, Hydraulic Jacks and Presses, Rotating Pieces, Elasticity and Strength of Shaft and Beams.

#### **Mathematics—**

Algebra, Plane and Solid Geometry, Trigonometry continued.

#### **Machine Drawing—**

As outlined in Department of Machine Construction of third year.



CHEMICAL LABORATORY.

## DEPARTMENT OF CHEMISTRY.

This department includes Mineralogy and Geology. The courses are designed to give instruction in the principles of Inorganic and Organic Chemistry, as well as practical training in the methods of Qualitative and Quantitative Analysis. With their aim to keep prominently before the students the relation that Chemistry bears to industrial life, the instructors in this department give attention to such subjects as Technical Manipulations, Fuels, Water, Acid and Alkali industries, Fertilizers, Lime, Cement, Chlorine, Pigments, Glass and Earthenware, Metallurgy, Alloys, Destructive Distillation of Wood, Coal Tar, Mineral Oils, Vegetable and Animal Oils, Fats and Waxes, Soap, Sugar, Fermentation Industries, etc.

The Chemical Laboratory affords accommodation for 120 students. It is well ventilated and well lighted, and fully equipped for students' work in qualitative and quantitative analyses.

### JUNIOR YEAR (SECOND YEAR).

#### **Chemistry—**

General Inorganic Chemistry, with special reference to the manufacture of those substances commonly occurring in commerce. Advanced Commercial Arithmetic.

#### **Laboratory Work—**

Qualitative Analysis, Elementary Quantitative Analysis.

#### **Elementary Mineralogy and Geology—**

(a) Condition of earth as to structure and composition, with its change in form, due to igneous and aqueous agencies. Definitions of common technical terms used in geological descriptions. The study of the physical and chemical properties upon which a classification of minerals is based.

#### (b) LABORATORY WORK—

Use of Blow Pipe, Determination of minerals.

### SENIOR YEAR (THIRD YEAR).

#### **Chemistry—**

(a) Organic Chemistry with its technical applications.

#### (b) LABORATORY WORK—

Gravimetric and Volumetric Analysis.

#### **Mineralogy—**

(a) Position, nature and wealth of mineral deposits in Canada.

(b) Determination of minerals.

#### **Drawing—**

As outlined in the Department of Machine Construction of third year.

#### **Physics—**

Electricity and Magnetism of second year.

#### **Mathematics—**

Trigonometry and Logarithms.

## DEPARTMENT OF COMMERCE AND FINANCE.

An intelligent understanding of modern commercial problems implies a liberal and, at the same time, practical training in a knowledge of the world's industries and markets, the laws of trade and finance, and the mechanism and customs of business. Such an understanding cannot be derived from short courses in Typewriting, Shorthand, Bookkeeping and Arithmetic. So it is that the full course in Commerce and Finance in this School requires two years, and includes such subjects as Commercial Law, Commercial Geography, Commercial French, German and English, Economics, etc.

To meet the needs of special and short term students, however, the School offers in addition special courses in Bookkeeping and Stenography.

### REGULAR COURSE.

#### FIRST YEAR.

##### **Bookkeeping—**

Rudiments of Double Entry, Business Forms, Business Usages, Journal, Ledger, Cash Book, Trial Balance, etc.

##### **Business Penmanship—**

Movement, Best Form of Letters for Business Writing, Blackboard Illustration, Acquiring Speed, etc.

##### **Commercial Arithmetic—**

Fractions, Metric Systems of Weights and Measures, Percentage, Profit and Loss, Trade Discounts, Commission, Interest, Discounts, etc.

##### **Rapid Calculations—**

Accuracy and Rapidity in Addition, Multiplication, etc.

##### **Shorthand (Isaac Pitman's System)—**

Principles, Analysis of Sounds of the English Language, Signs or Sounds, Blackboard Illustrations, Combining Signs into Words, Phrases, Sentences.

##### **Typewriting—**

Mechanism of Machine, Touch System, Copying, Shorthand Notes.

##### **Practical English—**

Spelling, Punctuation, Dictation, Composition.

##### **French and German—**

Conversation, Commercial Terms and Phrases, Correspondence.

##### **Commercial Geography—**

Configuration of Earth's Surface, Atmosphere, Climate, Distribution of Plants, Animals and Men, Divisions into Countries, Occupations of People of Various Countries, Description and Distribution of Commodities, Geographical Conditions under which these are Produced, Capacities of New Countries for Commercial Development.

### **General Economics—**

The instruction under this heading will embrace general talks upon such subjects as:—Labor and its Laws, Capital, Land, Elements of Exchange, Markets, Distribution, Income, Rent, Earnings, Interest, Credit, Banking, Measurement of Values, Foreign Trade and Exchanges, Taxation and Taxes.

### **SECOND YEAR.**

#### **Bookkeeping—**

Special Column Books, Joint Stock Company Bookkeeping, Transportation, Banking and Business Practice.

#### **Business Forms—**

Notes, Drafts, Orders, Due Bills, Receipts, Bills of Lading, Bank Checks, Invoices, Monthly Statements, Accounts of Sales, knowledge of their construction and value.

#### **Commercial Law—**

Negotiable Paper, Contracts, Agency, Partnership, Corporations, Liens, Interest and Usury, Conveyancing, etc.

#### **Commercial Arithmetic—**

Simple and Compound Interest, True and Bank Discounts, Partial Payments, Exchanges—Domestic and Foreign, Averaging Accounts, Stocks and Investments, Customs Duties, etc.

#### **Practical English—**

Composition, Business Letters and Reports.

#### **French and German—**

Course of First Year, continued.

#### **Shorthand—**

Course of First Year continued. How to acquire speed, Transcribing Notes, Office Dictation, etc.

#### **Typewriting—**

Course of First Year continued. Transcribing from Shorthand Notes, Letterpress Copying, Manifolded, Gaining Speed, Use of Mimeograph, Letter Filing, etc.

#### **Commercial Geography—**

General talks upon such commercial-geographical subjects as: Circumstances Affecting Production, Land Transport and Railways, Water Transport and Trade Routes, Commerce and Immigration, Currencies, Weights and Measures, Tariffs, etc.

#### **Economics—**

General talks upon the growth of English and Canadian industry and commerce since 1800, Commercial Treaties, Trade Conditions in Canada and the Empire.

### **SPECIAL AND SHORT TERM COURSES.**

(These Courses may be combined.)

#### **(a) Bookkeeping—**

This course includes the Bookkeeping, Penmanship, Business Forms, Arithmetic, Rapid Calculations, Practical English of the Regular Course.

#### **(b) Stenography—**

This course includes the Shorthand, Typewriting, Business Forms and Practical English of the Regular Course.



CLASS IN STENOGRAPHY.

## DEPARTMENT OF MATHEMATICS.

The subjects of this department are required to a greater or less extent in connection with the courses in other departments. The classes are so arranged as to enable students to apply their mathematical knowledge to drafting, physics, mechanics, commerce, etc.

### JUNIOR YEAR (SECOND YEAR).

#### **Mensuration—**

First Year work, continued. Conic Sections, Surfaces of Revolution, Centre of Gravity.

#### **Algebra—**

Quadratic Equations, Ratio, Proportion, Progression, Variation. Indices, Surds.

#### **Geometry—**

Plane and Solid Geometry.

#### **Trigonometry—**

Introductory, Logarithms.

#### **Mechanics—**

As outlined in Second Year of Department of Physics.

### SENIOR YEAR (THIRD YEAR).

#### **Algebra—**

Elementary Theory of Equations, Binomial and Exponential Theorems, Summation of Series.

#### **Geometry—**

Solid Geometry, Elementary Analytical Geometry.

#### **Trigonometry—**

Plane Trigonometry, including the solution of right and oblique-angled Triangles, Applications to Physics, Surveying, etc.

#### **Calculus—**

Elements of Differential Calculus, Integration of Simple Forms required in Geometry and Physics (optional).

### SPECIAL COURSES IN HIGHER MATHEMATICS. :

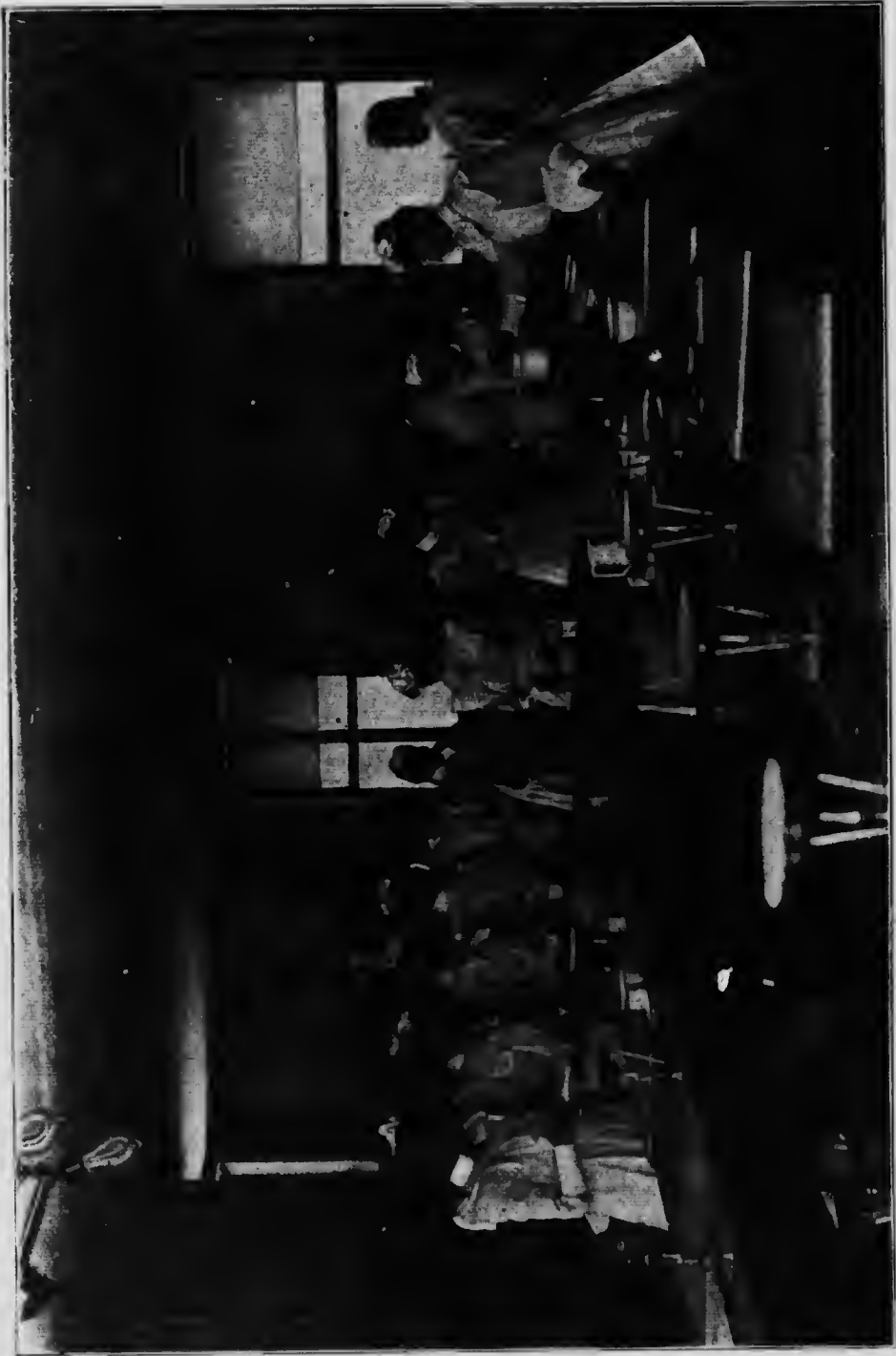
(a) This course is of practical value in Banking, Life Insurance, etc.

The work prescribed in Arithmetic and Algebra to the end of the third year, also the theory and practice of Logarithms; the elements of the Theory of Probabilities; Theory of Compound Interest, with applications to Annuities-Certain, Reversions, Debentures, etc.; the construction and use of monetary tables and tables of mortality; the elementary application of the Calculus of Finite Differences and of Differential and Integral Calculus to life contingencies.

(b) This course is useful in surveying, navigation, astronomy, etc.

The work prescribed to the end of the second year. Logarithms, Geometry, Plane Trigonometry to the end of the third year; Spherical Trigonometry, with practice in the solution of triangles; calculations required in determining latitude and longitude; solar time.





CLASS IN PRACTICAL COOKERY.

## DEPARTMENT OF DOMESTIC SCIENCE.

### **Domestic Science —**

Cooking, Laundry Work, Nursing, Sewing, Chemistry, Physics, Physiology, Bacteriology, Sanitary Science.

This department is designed to afford instruction both in theoretical and practical work for students who intend to become teachers of domestic science, housekeepers, matrons, cooks, waitresses, nurses, housemaids, etc. The following courses are offered :—

**Normal Course in Domestic Science.**

**Housekeepers' Course.**

**General Cooking (Short Courses).**

**Invalid Cookery.**

**Household Economics.**

The Normal Course occupies two years, and is intended for the training of teachers of Domestic Science. The Housekeepers' Course occupies only one term, and is intended for the training of housekeepers or matrons, etc., in public institutions, such as schools, hospitals, etc.

### JUNIOR YEAR.

#### **Normal Course—**

Theoretical and Practical Cookery, Invalid Cookery, Chemistry of Foods, Bacteriology, Hygiene, Physics, Biology and Physiology, Laundry Work, Household Sanitation, Sewing, Bookkeeping, Commercial Arithmetic, Mensuration and Metric System, Freeland Drawing, Psychology and Pedagogy.

### SENIOR YEAR.

Theoretical and Practical Cookery (advanced), Preparation of Dietaries, Invalid Cookery, Physiology, Home Nursing and Emergencies, Chemistry of Foods and Adulterants, Hygiene, Physics (Energy and Heat), Sewing, Marketing, Bookkeeping (advanced), House Furnishing and Decoration, Psychology and Pedagogy, Observation and Practice in Teaching in Public and Private Institutions.

#### **Housekeepers' Course—**

General Cookery, Invalid Cookery, Laundry Work, Sewing, Home Nursing, Waitresses' Course, Household Sanitation, Marketing, Bookkeeping.

#### **General Cooking (Short Courses)—**

Plain and Economical Cookery, Invalid Cookery, Superior Cookery.

#### **Household Economics—**

Laundry Work, Plain Sewing, House and Parlor Maids' Work, Home Nursing, General Sanitation.

# EVENING SCHOOL.

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## DEPARTMENT OF DRAFTING AND INDUSTRIAL DESIGN.

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### COURSE IN ARCHITECTURAL DRAWING.

#### FIRST YEAR.

Freehand Drawing, Use of Instruments, Lettering, Practical Geometry, Descriptive Geometry, Model Drawing, Shades and Shadows, Monochrome Tinting, Building Construction, Architecture.

#### SECOND YEAR.

Graphic Statics, History of Architectural Ornament, Decorative Art, Architectural Designs and Styles, Building Construction and Sketching.

### COURSE IN MECHANICAL DRAWING AND MACHINE CONSTRUCTION.

#### FIRST YEAR.

Lettering, Descriptive Geometry, Perspective, Machine Drawing, Pattern Making.

#### SECOND YEAR.

Descriptive Geometry (advanced), Machine Drawing and Construction, including Proportioning of Structures and Machine Parts.

### COURSE IN INDUSTRIAL ART.

#### FIRST YEAR.

Freehand Drawing, Practical Geometry, Lettering, Model Drawing, Shades and Shadows, Historical Ornament, Surface Decorations, Clay Modelling.

#### SECOND YEAR.

Freehand Drawing, Historical Ornament, Designs for Textile Fabrics, Metals, Stained Glass, Mosaics, Pottery and Modelling.

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## DEPARTMENT OF PHYSICS AND MECHANICS.

#### FIRST YEAR.

##### **Mechanics—**

Statics and Dynamics, Mechanical Powers, Work and Friction, Steel-yard, Wheel and Axle, Block and Tackle, Differential Pulley, Inclined Plane, Cranes.

##### **Electricity and Magnetism—**

Magnets, Cells, Telegraph, Telephone, Dynamo, Electric Light, Storage Battery, Electro-plating.

##### **Heat—**

Temperature and Thermometers. Heat and Work, Transmission of Heat.

##### **Hydrostatics and Pneumatics—**

Barometer, Syphon, Pumps, Hydraulic Presses, the Air Brake.



CLASS IN FREEHAND DRAWING.

## SECOND YEAR.

### **Electricity—**

The Electric Current, System of Wiring, Direct Current Machinery, Meters, Testing.

### **Steam Engine—**

Theory and Practice of Steam Engines and Boilers, Indicators, Governors, Condensers.

### **Gas Engine—**

Theory and Management of Gas, Gasoline and Oil Engines.

### **Applied Mechanics—**

Friction, Belts, Gear Wheels, Screw Threads, Worm Gears, Screw Jacks and Presses, Pumps, Hydraulic Jacks and Presses, Rotating Pieces, Elasticity and Strength of Shafts and Beams.

## THIRD YEAR.

### **Electricity—**

Alternating Currents.

## DEPARTMENT OF CHEMISTRY.

The evening courses in Chemistry consist of lectures and demonstrations on Inorganic and Organic Chemistry, with laboratory instructions in Qualitative and Quantitative Analysis, and are intended to give the students a general knowledge of the theory and principles of Chemistry. These evening courses include a series of lectures on Technical Chemistry, which will be open to students who have completed the work of the first year in this department. The following subjects will be considered :

Technical Manipulations, Fuels, Water, Sulphur, Sulphuric Acid, Salt, Hydrochloric Acid, Soda Industry, Chlorine Industry, Nitric Acid, Ammonia, Potash, Fertilizers, Lime, Cement, Plaster of Paris, Glass and Earthenware, Pigments, Metallurgy of the important Metals (a special course of lectures), Physical Properties of Metals, Alloys, Destructive Distillation of Wood, Coal Tar, Mineral Oils, Vegetable and Animal Oils, Fats and Waxes, Soap, Glycerine, Sugar, Fermentations, Textile Industries, Paper, Leather, Glue, etc.

## FIRST YEAR.

### **Elementary Inorganic Chemistry—**

(a) A few preliminary lectures will be given on the principles of physics as applied to chemistry, viz: Thermometer, Barometer, Effects of Temperature and Pressure, Specific Gravity, Specific Heat, Study of Non-metals and their most important Compounds, Nomenclature, Law of Combination of the Elements, Atomic and Molecular Theories, Acids and Bases, Neutralization, Chemical Arithmetic.

(b) LABORATORY WORK—  
Chemical Change, Preparation of Gases, Use of Test Tubes, Solution, Precipitation, Filtration, Dry Tests for Metals, Detection of Acids.

## SECOND YEAR.

### **Inorganic Chemistry—**

(a) First year continued, with Chemical Arithmetic.

(b) LABORATORY WORK—  
Qualitative Analysis.

THIRD YEAR.

**Elementary Organic Chemistry—**

LABORATORY WORK—  
Gravimetric and Volumetric Analysis.

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**DEPARTMENT OF MATHEMATICS.**

Students are reminded that a knowledge of mathematics is essential in order to understand the work in other departments.

FIRST YEAR.

**Arithmetic—**

Fractions, metric system, mensuration, and the arithmetic of industrial and commercial operations.

**Algebra—**

Elementary Rules, Fractions, easy Equations.

**Geometry—**

Elementary Plane Geometry. Based on Euclid, Books I., II.

SECOND YEAR.

**Arithmetic—**

First year work continued.

**Algebra—**

Quadratic Equations, Ratio, Proportions, Variations, Indices, Surds.

**Geometry—**

Euclid, Books III. and IV., with selections from Book VI.

**Trigonometry—**

Elementary Plane Trigonometry, nature and use of Logarithms.

THIRD YEAR.

Work of second year continued.

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**THE DEPARTMENT OF DOMESTIC SCIENCE.**

The Theoretical work of the evening school consists of lectures with demonstration on the following subjects:

Nature, Composition and Nutritive Value of Various Foods.  
Beverages: Their Nature, Composition and Effect Upon the System.  
Combination of Dishes for Meals; Suitable Foods for Growing Children.  
Discrimination and Selection in the Purchase of Food Materials.  
Preparation for Dietaries for Different Climates and Different Incomes.  
The Chemical Composition of Foods, as Fats and Oils, Water, Mineral Water, Starches, Sugars and Albumens.  
Adulteration of Foods, Dairy Products, etc.  
Household Economics, Hygiene and Home Nursing, Home Decoration.

The Practical work in Cookery is intended to acquaint the students with the principles underlying the preparation of food stuffs and to train them in the skilful manipulation of such food stuffs.

# EXAMINATIONS.

## EVENING CLASSES.

The results of the final examinations of the Evening Classes for 1901-2 are given below : Class I. implies 75 % or over ; Class II. 50 % or over ; pass at least  $33\frac{1}{3}$  %.

### DIPLOMAS.

DEPARTMENT OF PHYSICS AND MECHANICS—G. D. Ely.

DEPARTMENT OF CHEMISTRY—P. Bach, A. T. Laidlaw, C. J. Parker, W. A. Shore.

### PRIZES.

HALLAM MEDAL IN DOMESTIC SCIENCE—Miss M. Mitchell.

HALLAM PRIZES IN MATHEMATICS—I—A. Rankin. II—F. Rogers.

## DEPARTMENT OF DRAFTING AND INDUSTRIAL ART.

MECHANICAL DRAWING—Class I—W. J. Daly-Boyles, R. M. Lockhead, H. S. Spice, R. Jaynes, F. Gerry, J. H. Gilby. Class II—R. J. Foord, G. Garton, A. J. Parrington, P. O. Jones. Pass—L. R. Daley, A. Popham, J. S. Martin, W. W. Garrow, W. Key, E. Ruddell.

GRAPHIC STATICS—Class I—A. S. Innes, R. Foord, A. Campbell, J. Lawson, J. S. Martin.

ARCHITECTURAL DRAWING AND BUILDING CONSTRUCTION—Class I—I. Ritchie, W. H. Martin, A. Boissoneau, W. Young, G. Skinner, R. J. Webb, F. Markham, H. J. Baker, S. Young, A. Harriman. Class II—A. Fisher, A. R. Boyle, F. W. Robinson, H. Anthony. Pass—F. Essex, W. J. Randall, A. P. Allan, L. Price.

MACHINE DRAWING—Second Year—Class I—James E. Martin. Class II—W. J. Banfield, J. S. Martin.

MACHINE CONSTRUCTION—Class II—W. J. Banfield, J. S. Martin. Pass—J. E. Martin.

MACHINE DRAWING—First Year—Class I—G. A. Ronan, G. Garton, R. Jaynes, H. Jackson, J. C. Gillies, J. Stevenson, E. Idenden. Class II—F. Craig, P. O. Jones, R. Jessop, F. Gerry, W. Key, G. McIntyre, F. Hamner, L. R. Daley, A. Robinson, H. W. Howard, W. W. Garrow, A. J. Parrington.

MACHINE CONSTRUCTION—Class II—G. Garton. Pass—J. Stevenson, E. Ruddell.

MODELLING FROM LIFE—Class I—Miss L. Hart, Miss C. Edwards, Miss H. M. Vickers, Miss M. E. Wrinch, Mr. Bell, Miss G. E. Spurr, Miss M. M. Stoodley, Miss M. Moylan. Class II—Miss M. S. Samuel, Miss S. Hegler, Miss E. Kerr, Miss M. Dudley, Miss A. Johnston, Miss Hancock, Miss E. Hemming, Mr. H. R. Glass, Mrs. E. Elliott, Miss M. C. Good.

MODELLING FROM THE CAST—Class I—Miss V. LeGrand, Miss L. Hart, Miss K. Robinson, Miss E. C. Edwards, Mr. H. R. Glass, Miss M. Wrinch, Mr. E. L. Laur, Miss G. Robb, Miss H. Vickers, Miss M. Moylan, Mr. E. Hahn, Miss E. H. Leacock, Miss F. Neelands, Miss D. Dickson, Mrs. W. B. Close. Class II—Miss M. W. Gibson, Mr. A. D. Wilby, Miss Annie Johnson, Miss Agnes Johnson, Miss E. Deane, Mr. H. A. Payne, Miss B. Robinson, Mr. F. Busted, Mr. A. Walters, Miss E. L. Hilliard, Mr. W. Nettleship, Miss B. M. Haggerly, Miss D. M. Dickson, Miss G. E. Spurr, Miss N. J. Howard, Miss C. Benson, Miss A. Williams, Miss I. Jenner, Mr. A. H. Illder, Miss J. Irving, Miss M. Cowan, Mr. E. Knott, Miss A. Keating, Mr. G. A. Farini. Pass—Miss L. Graham, Miss L. Allen, Miss M. Marter, Miss C. Eby, Miss E. McIntyre, Miss Bailey, Mr. A. A. Dundas.

**INDUSTRIAL DESIGN**—Class I—Miss Epelet, Miss Macklin, Miss Arnoldi, Miss E. H. Leacock, Mr. A. Black, Miss Bell. Class II—A. Adam, F. Nichol, Miss Johnson. Pass—P. E. Clayton.

**FREEHAND DRAWING**—Class I—F. Addison, W. Mills, Miss Scott, A. Stewart, C. Hunter, A. Adams, H. Nightingale, Miss Blakie, F. Nichol, Miss Billings. Class II—Miss Rene, C. Kirkoff, W. Menzies, J. Reilly, Miss E. Charlton, Miss Dodd, H. Taylor, Miss W. Charlton, E. Gillehan, Miss Williams, Miss Brunsmede, J. Warrington, F. Vaughan, Miss Cower. Pass—M. McKenzie, F. Glover, R. Bryan, G. McDonald, G. Spadding, J. Noble, Miss Wilson, S. McCallum, Miss Pierce, C. Hind, J. P. Parks, S. W. Block, W. Johnson.

### DEPARTMENT OF PHYSICS AND MECHANICS.

**STEAM ENGINE**—Class I—E. S. Baker. Class II—H. Satchwill, E. Clendenning, S. Waddell and C. J. Parker equal, J. Martin and C. W. Rabey equal. Pass—G. Chrysler, A. Stretton.

**SOUND**—Class II—Miss B. McFarlane and Miss M. Rogers equal.

**HYDROSTATICS**—Class I—S. O'Toole, T. Henry, G. M. Ritchie, M. L. Allard. Class II—H. Satchwill. Pass—A. S. Innes.

**HEAT**—Class I—M. L. Allard, S. O'Toole. Class II—T. Henry, H. Satchwill. Pass—A. S. Innes, G. M. Ritchie.

**MECHANICS**—Class II—G. D. Bly, F. Jeffrey. Pass—A. J. Oster, W. R. Kay, J. Stevenson.

**MECHANICS, APPLIED**—Class II—E. S. Baker, A. S. Innes, G. D. Bly and J. S. Martin equal. Pass—H. Satchwill.

**ELECTRICITY**—Second Year—Class I—E. B. Ratcliffe, C. Radford, M. Adams, C. Hand, W. Cole, W. R. Maxwell, R. Blacklock, F. Dehlinger, E. E. Smalley, W. Young. Class II—T. Williams, M. Campbell, J. Gardner, J. Burns, W. J. Leggott, G. J. Beattie. Pass—W. T. Coates, R. Thomson, J. Hocking, J. Albright, W. S. Bayley, F. Brown, J. Williamson. First Year—Class I—E. B. Ratcliffe, W. R. Maxwell, M. Adams, C. Hand, T. Williams, S. Waddell, W. H. Beales. Class II—H. Satchwill, C. Radford. Pass—J. Albright, E. E. Smalley.

### DEPARTMENT OF CHEMISTRY.

**THEORETICAL**—Third Year—Class II—W. A. Shore, C. J. Parker. Pass—A. T. Laidlaw, P. Bach. Second Year—Class II—Miss A. Watson, Miss A. Baxter. Pass—J. Lavery, H. G. Torson, Miss E. M. Glanville, J. A. Queen. First Year—Class I—J. McEachren, F. Hedley, S. Evis. Class II—E. A. Fennell, Miss C. Mongan, B. L. Morison, R. J. Elliott, E. A. Grant, A. Osawa. Pass—G. N. Kennedy, W. G. Jackes, J. Blood, R. H. Nichols.

**PRACTICAL**—Third Year—Class I—P. Bach, S. O'Toole. Class II—W. A. Shore, A. T. Laidlaw, W. Beale. Pass—C. J. Parker, J. A. Queen. Second Year—Class I—Miss A. Baxter. Class II—Miss A. Watson. Pass—H. G. Torson, Miss E. M. Glanville, J. Lavery. First Year—Class I—S. Evis. Class II—E. A. Grant. Pass—F. Hedley and Miss J. McEachren (equal), G. N. Kennedy, A. Osawa, B. L. Morison, E. A. Fennell, R. H. Nichols, W. G. Jackes, R. J. Elliott, J. Blood.

### DEPARTMENT OF DOMESTIC SCIENCE.

Class I—Misses M. Mitchell, N. Forrest, J. Rowell, E. Howden. Class II—Mrs. R. Kelly, Misses M. Daley, A. Moore, J. Hunter. Pass—Misses A. Zartass, F. Mill, E. M. Barton.

### DEPARTMENT OF MATHEMATICS.

**ARITHMETIC**—Second Year—Class I—A. S. Innes. First Year—Class I—A. Rankin, F. Rogers, Miss E. Gray, R. Nichols, A. S. Macrae, L. R. Daley, T. P. Williams, W. Nichol. Class II—G. Dawson, G. Leach, M. Pollock. Pass—G. Slade, L. Harvey, W. Warner.



**MENSURATION**—Class I—A. Rankin, F. Rogers, G. Dawson, R. Nichols, Miss E. Gray. Class II—F. Wilkinsen, W. Nichol, L. R. Daley, M. Pollock, A. S. Macrae, L. Harvey. Pass—W. A. Duncan, W. Warner, G. Holloway, W. Young, T. Tweed.

**TRIGONOMETRY**—Class II—C. Thetford. Pass—W. Sparling, J. E. Martin.

**GEOMETRY**—Second Year—Class I—A. S. Innes, C. Thetford. First Year—Class I—A. Rankin, Miss E. Gray, W. Nichol, L. R. Daley. Class II—W. Warner, F. Rogers, R. Nichols. Pass—G. G. Malcolm, A. S. Macrae, W. A. Duncan, G. Leach.

**ALGEBRA**—Second Year—Class I—C. Thetford. Class II—W. Sparling, A. S. Innes. First Year—Class I—A. Rankin, Miss E. Gray, A. S. Macrae, W. Nichol, F. Rogers, A. J. Oster, W. R. Kay. Class II—G. Dawson, G. G. Malcolm, L. Harvey, R. Nichols. Pass—L. R. Daley, T. Tweed, G. Holloway, M. Pollock, H. Williams, G. Leach.

## DAY CLASSES.

**ALDERMAN WARD'S MEDAL**—For the Department of Commerce and Finance—Miss M. Rae.

**COMMERCE AND FINANCE**—Diplomas—C. Holmes, Misses F. M. Holmes, O. R. Garland, C. C. Menton and M. Rae, and J. H. Morgan.

### GENERAL COURSE.

#### SENIOR STUDENTS.

**MATHEMATICS**—Class I—J. I. Lawson, Miss L. Payne, Miss B. D. O'Connor. Class II—J. MacGordon, A. A. Kinghorn, C. Toms.

**CHEMISTRY**—Class I—Miss L. Payne. Class II—J. I. Lawson, Miss B. D. O'Connor, A. A. Kinghorn. Class III—C. Toms, J. MacGordon.

**PHYSICS**—Class I—Miss L. Payne. Class II—Miss B. D. O'Connor, A. A. Kinghorn, C. Toms, J. I. Lawson.

**DRAFTING**—Class I—J. I. Lawson. Class II—J. MacGordon, A. A. Kinghorn. Class III—C. Toms.

**DOMESTIC SCIENCE**—Class I—Miss L. Payne, Miss B. D. O'Connor.

#### JUNIOR STUDENTS.

**MATHEMATICS**—Class I—G. Jack, V. Morgan, F. Curry, W. McKay, S. Nisbett. Class II—F. Rogers, H. Emerson, F. Pringle.

**CHEMISTRY**—Class II—F. Pringle, W. McKay, S. Nisbett, H. Emerson. Class III—F. Rogers, G. Jack, V. Morgan.

**PHYSICS**—Class I—S. Nisbett, F. Rogers, W. McKay. Class II—F. Pringle, G. Jack, H. Emerson, F. Curry, V. Morgan.

**DRAFTING**—Class I—W. McKay. Class II—H. Emerson. Class III—V. Morgan, F. Pringle, F. Curry, F. Rogers, G. Jack, S. Nisbett.

### DOMESTIC SCIENCE.

#### SENIOR STUDENTS.

Diplomas qualifying as Teachers of Domestic Science (alphabetically arranged): Misses M. F. Foote, A. G. Fraser, C. M. Gray, M. Gunne, M. Kennedy, H. E. McLenaghan, I. Malone, G. Mitchell, S. Noble, J. B. Welsh.

#### JUNIOR YEAR.

Class I—Misses McMillan, Simpson, Hills, Coleman, Delaperte. Class II—Misses Macleod, Wigle, Macdonald.

#### SPECIAL STUDENTS.

**MODELLING**—Class I—Misses L. Hart, K. Robinson, E. C. Edwards, F. H. Stitt, W. Kingsford, M. Stoodley, S. Owen, Z. Grantham, N. Watson, H. Vickers, L. Brock, E. Robinson, M. Dewar, Mr. A. Sullivan. Class II—Misses E. Epelett, H. Strathy, F. Dartnell, M. S. Samuels, Mr. G. A. Farini.

**DRAWING**—Class I—F. Nichol, Misses B. Robinson, E. Epelett, C. Ross. Class II—Misses F. Dartnell, Jacques, H. Cayley.

**DESIGN**—Class I—Misses E. Epelett, B. Robinson, M. Stoodley. Class II—Miss F. Dartnell, Mr. F. G. Nichol, Miss S. Owen.

## ATTENDANCE, SESSION 1901-2.

### EVENING CLASSES.

Total enrolled, . . . . . 1,710

Average attendance by months—

October, - - 303    December, - - 235    February, - - 175

November, - - 276    January, - - 239    March, - - - 155

Average attendance by months in the different subjects :

SUBJECTS.	October.	November.	December.	January.	February.	March.
Chemistry .....	75	78	63	53	53	55
Mechanical Drawing .....	27	30	25	21	20	19
Machine Drawing .....	32	38	27	24	24	19
Freehand Drawing .....	61	60	61	56	33	42
Industrial Design .....	14	16	20	16	10	13
Architectural Drawing.....	33	32	26	22	20	18
Clay Modelling .....	21	26	20	15	21	24
Graphic Statics.....	.....	.....	.....	5	6	5
Arithmetic .....	73	77	64	55	42	.....
Algebra .....	70	68	66	55	51	.....
Geometry .....	70	68	66	55	51	.....
Trigonometry .....	14	14	10	12	6	5
Mechanics .....	16	14	12	11	6	8
Electricity .....	111	110	94	74	57	36
Steam and Gas Engines .....	17	15	12	14	10	8
Heat .....	12	8	8	6	6	7
Sound .....	6	6	6	5	.....	.....
Hydrostatics .....	11	8	8	6	6	7
DOMESTIC SCIENCE—						
Demonstrations.....	160	189	179	111	119	120
Practical Work.....	35	40	30	27	26	37

### DAY CLASSES.

#### FIRST SESSION, 1901-2.

Total enrolled, . . . . . 151

Average monthly attendance—

October - - - 70    January - - - 117    April - - - 80

November - - - 86    February - - - 127    May - - - 85

December - - - 85    March - - - 126    June - - - 86

Average monthly attendance in each Department :

DEPARTMENT.	October.	November.	December.	January.	February.	March.	April.	May.	June.
Commerce and Finance .....	24	27	24	33	34	33	23	20	19
General Course .....	27	27	26	37	35	35	31	26	26
Drafting and Industrial Art .....	7	10	11	12	18	18	13	20	19
Domestic Science .....	12	22	24	35	40	40	22	19	22

## OCCUPATION OF PUPILS

Attending the Evening Classes of the Toronto Technical School  
during the Session of 1901-1902.

OCCUPATION.		Apprentices.	Journey men.	Employers.	OCCUPATION.		Apprentices.	Journey men.	Employers.
1	Accountant.....				1	City Solicitor.....			
7	Agents.....				1	Civil Service Clerk.....			
9	Architectural Students.....				114	Clerks.....			
1	Architectural Draughtsman.....				1	Coat Presser.....	1		
2	Armature Winders.....				1	Coat Trimmer.....	1		
2	Art Iron Workers.....				3	Collectors.....			
11	Artists.....				2	Compositors.....	1	1	
9	Art Students.....				4	Cooks.....			
1	Assayer.....				5	Cutters.....	1	4	
1	Assistant Boilermaker.....		1		2	Dairymen.....			
1	Assistant Chemist.....				2	Decorators.....			
1	Assistant Librarian.....				1	Delivery Boy.....			
1	Assistant Registrar.....				3	Dental Students.....			
1	Assistant Teacher.....				1	Dentist.....			
1	Assistant Ticket Agent.....				1	Designer.....	1		
1	Audit Clerk.....				1	Die Make.....	1		
1	Baker.....	1			1	Die Sinker.....	1		
1	Bank Teller.....				19	Domestics.....			
1	Barber.....				7	Draughtsmen.....			
1	Batteryman.....				21	Dressmakers.....	10	14	
1	Belt Boy.....				9	Drivers.....			
1	Belt Maker.....		1		13	Drug Clerks.....			
1	Bicycle Repairer.....		1		3	Druggists.....			
2	Bicycle Workers.....	2			1	Dyer.....	1		
1	Bill Poster.....				1	Electrical Improver.....		1	
2	Biscuit Makers.....	2			34	Electricians.....	29	5	
2	Blacksmiths.....		2		1	Electro-plater.....	1		
1	Boilermaker.....		1		3	Elevator Boys.....			
3	Bookbinders.....	2	1		1	Elocutionist.....			
4	Bookfolders.....	4			3	Enamel Painters.....	3		
33	Bookkeepers.....				12	Engineers.....	5	7	
3	Bookmakers.....	3			1	Engine Fitter.....			
1	Boot Finisher.....				5	Engravers.....	5		
7	Box Makers.....	2	4	1	1	Engraver.....	1		
1	Brancher.....				2	Firemen.....	1	1	
1	Brass Finisher.....	1			5	Fitters.....	3	2	
1	Brass Moulder.....		1		2	Foreladies.....			
17	Bricklayers.....	13	4		1	Furrier.....			
2	Brickmakers.....	1	1		1	Galvanized Iron Worker.....		1	
1	Buffer.....		1		1	Gas Fitter.....	1		
5	Butcher.....				1	Gas Man.....	1		
1	Butcher Boy.....				1	General Manager.....			
5	Cabinetmakers.....	2	3		5	General Servants.....			
1	Camera Maker.....	1			3	Granite Cutters.....	2	1	
2	Candy Makers.....	1	1		3	Grocers.....			
2	Card Samplers.....				2	Harness Makers.....	1	1	
42	Carpenters.....	12	30		1	Hatter.....			
1	Carriage Builder.....	1			27	Housekeepers.....			
1	Carriage Painter.....	1			12	Housemaids.....			
1	Carriage Fire Maker.....			1	15	Housewives.....			
1	Carriage Trimmer.....		1		1	Illustrator.....		1	
2	Carriers.....				4	Insurance Clerks.....			
1	Case Finisher.....	1			8	Invoice Clerks.....			
1	Cash Boy.....				1	Iron Moulder.....		1	
4	Cashiers.....				1	Janitor.....			
1	Chemist.....				11	Jewellers.....	7	4	
2	China Artists.....				2	Jewellery Engravers.....	2		
2	China Decorators.....				2	Joiners.....			2
1	China Painter.....				10	Kindergartners.....			

OCCUPATION OF PUPILS—Continued.

		OCCUPATION.					OCCUPATION.		
		Apprentices.	Journey-men.	Employers.			Apprentices.	Journey-men.	Employers.
1	Labeller				45	Schoolboys			
4	Laboratory Assistants				7	Schoolgirls			
4	Laborers				2	Seamen	1	1	
1	Ladies' Tailress				1	Seam Presser	1		
2	Laundry men				2	Secretaries			
6	Law Clerks				1	Selectors			
1	Lead Glazier		1		2	Servants			
1	Letter Cutter		1		1	Shade Decorator			
1	Library Assistant				1	Shade Roller Finisher			
10	Lithographers	8	2		5	Sheet Metal Workers	4	1	
1	Locksmith	1			2	Shipbuilders	2		
1	Locomotive Engineer		1		8	Shippers			
1	Lumber Dealer			1	1	Shoemaker	1		
82	Machinists	66	16		2	Signwriters	2		
4	Maids				2	Silversmiths	2		
3	Mantle Makers	1	2		1	Soldier			
3	Manufacturers				1	Sponger			
1	Marine Fireman	1			1	Spring Bed Maker	1		
1	Matte Cutter		1		1	Stairbuilder		1	
3	Mechanical Dentists		3		1	Stationery Clerk			
10	Message Boys				4	Stationary Engineers		1	
7	Messengers				1	Stationary Fireman		1	
1	Miller			1	14	Steamfitters	7	7	
2	Mill Hands	2			1	Stencilmaker	1		
10	Milliners	6	4		41	Stenographers			
1	Minister				1	Stereotyper		1	
1	Mother's Help				3	Stockkeepers			
1	Motorman				5	Stonecutters	3	2	
2	Musical Students				1	Storekeeper			
6	Music Teachers				1	Stove Polish Manufacturer			
5	Nurses				80	Students			
15	Office Boys				1	Sponger			
6	Office Girls				1	Tailor		1	
18	Operators				7	Tailoresses			
5	Opticians	5			1	Taxidermist			
2	Organ Builders		2		26	Teachers			
2	Packers				1	Teapacker			
10	Painters	6	4		1	Telegrapher			
1	Paper Boy				2	Telegraph Operators			
3	Parcel Boys				1	Telephone Inspector			
11	Parcelers				5	Telephone Operators			
5	Patternmakers	3	2		3	Timekeepers			
5	Piano Makers	1	3	1	8	Tinsmiths	4	4	
1	Piano Tuner				1	Toolmaker	1		
1	Picture Framer	1			1	Trained Nurse			
1	Photo Engraver	1			4	Travellers			
1	Photograph Card Cutter				1	Trunkmaker	1		
5	Photographers				1	Typewriter			
3	Plasterers	1	1	1	1	Typewriter Repairer			
11	Plumbers	10	1		3	Upholsterers	2	1	
2	Pressers	2			1	Varnisher		1	
3	Press Feeders	3			1	Waitress			
1	Pressman	1			5	Warehousemen			
18	Printers	15	3		1	Watch Case Engraver	1		
1	Prosthetic Dentist				4	Watchmakers	3	1	
1	Railway Trackman				1	Wholesale Stationer			
1	Receiver				4	Wiremen	1	3	
1	Retoucher				1	Wire Worker	1		
1	Rodman				3	Wood Carvers	2	1	
2	Rulers				1	Wood Turner	1		
7	Salesladies				6	Wood Workers	4	2	
12	Salesmen				432	Not given			

Total number of Pupils, 1,710.

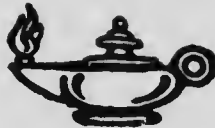
## AGES OF PUPILS

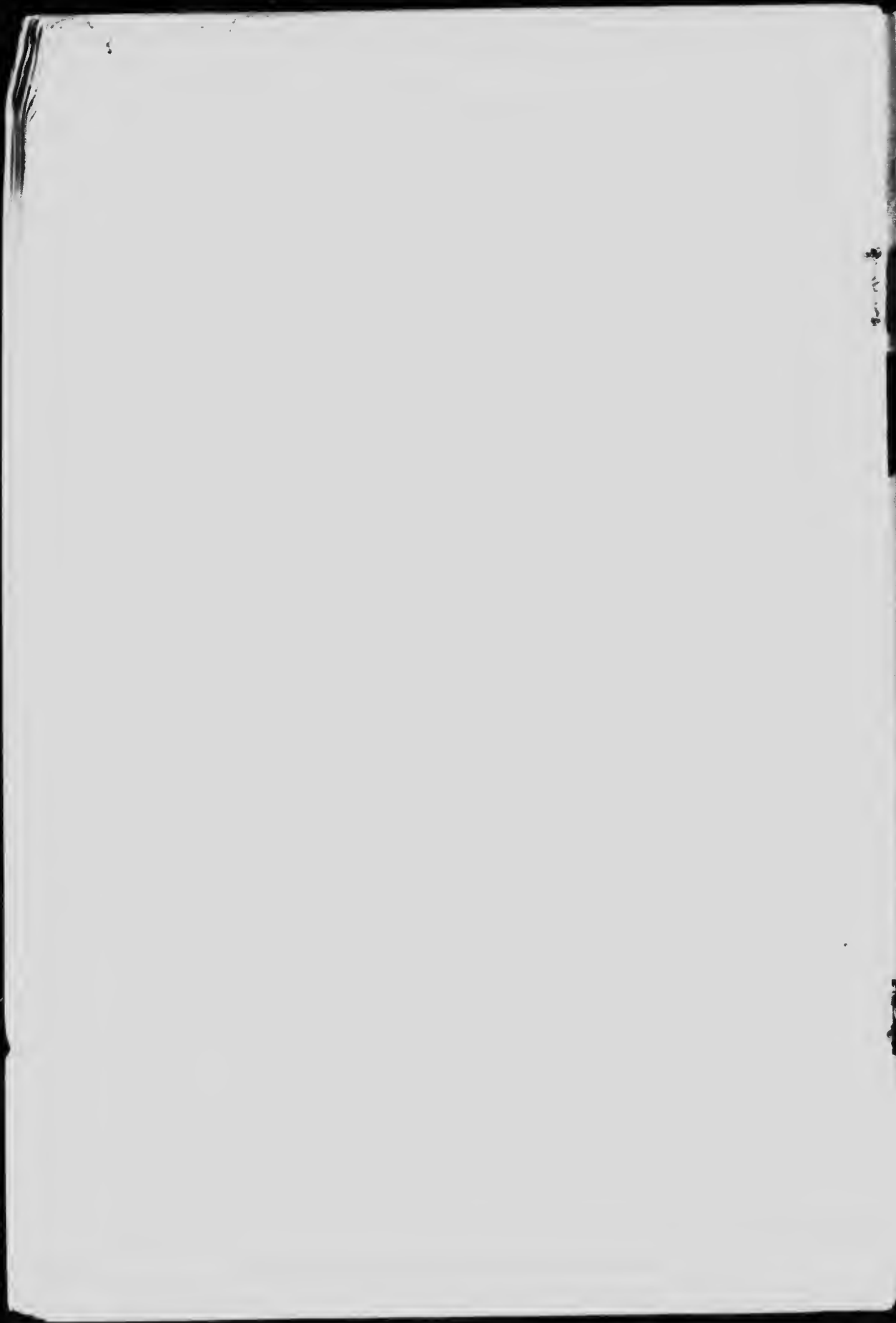
Attending Toronto Technical School. Evening Sessions, 1901-2.

Number.	Age.	Number.	Age.	Number.	Age.	Number.	Age.
79	14	67	25	18	36	2	47
151	15	32	26	5	37	4	48
140	16	29	27	6	38	1	49
150	17	24	28	2	39	2	50
146	18	15	29	9	40	1	51
111	19	23	30	3	41	1	54
100	20	11	31	7	42	1	55
130	21	11	32	3	43	1	56
87	22	7	33	2	44	1	62
72	23	13	34	7	45	145	Ages not given.
64	24	16	35	2	46		

Total number of Pupils, 1,710.

Average Age of Pupils, 21.78.





**Chairman of the Board:**

MR. CHAS. MOSELEY

**Vice-Chairman:**

MR. JOHN TWEED

**School Management Committee:**

MR. CHAS. MARCH, *Chairman*

ALD. JOHN J. WARD	MR. JOHN TWEED
MR. H. VAN DER LINDE	MR. WM. HENDERSON
MR. JOHN M. GANDER	MR. JAMES D. ALLAN
ALD. THOS. URQUHART	MR. JOHN GEMMELL.

Meets Second Monday.

**Property Committee:**

MR. JOHN M. GANDER, *Chairman*

ALD. W. P. HUBBARD	MR. A. W. HOLMES
MR. JAMES C. CLAXTON	MR. A. M. WICKENS
MR. ROBERT GLOCKLING	MR. CHAS. MARCH.

Meets Second Wednesday

**Printing and Supply Committee:**

MR. ROBERT GLOCKLING, *Chairman*

MR. WM. HENDERSON	DR. F. J. SMALE
MR. JOHN FRANCIS	MR. JAS. SIMPSON
MR. A. W. THOMAS	MR. W. N. BRAYSON.

Meets First Wednesday.

**Finance Committee:**

ALD. JOHN J. WARD, *Chairman*

MAYOR O. A. HOWLAND	MR. JOHN TWEED
MR. G. HEINTZMAN	MR. JOHN A. PEARSON
ALD. S. G. CURRY	MR. J. J. BLISS.

Meets half an hour before the Board.

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**REGULAR MEETING OF THE BOARD**

Third Thursday in each month, at 8 p.m., except June,  
July and August.

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