

1937

## Day Apprentice, Day Technical and Special Trades: Prospectus of Courses Session 1937-38

City of Dublin Vocational Education Committee

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City of Dublin  
Vocational Education Committee

SCOILEANNA CEÁRD-OIDEACÁIS  
City of Dublin Technical Schools

Seirniún  
1937-38



Session  
1937-38

DAY APPRENTICE, DAY TECHNICAL  
AND  
SPECIAL TRADES  
PROSPECTUS OF COURSES

BOLTON STREET :: RINGSEND  
KEVIN STREET :: PARNELL SQUARE



1937—SEPT. 6, MONDAY	Whole-time Day Schools open for enrolment. Day Apprentice School resumes work.
SEPT. 13, MONDAY	Whole-time Day Schools commence work and Part-time Day Classes open for enrolment.
SEPT. 20, MONDAY	Evening Classes open for enrolment and Part-time Day Classes commence work.
SEPT. 27, MONDAY	Evening Classes commence work.
NOV. 1, MONDAY	<i>All Saints' Day.</i> Whole-time Day Schools—excepting Day Apprentice School and Special Classes—closed.
DEC. 8, WEDNESDAY	<i>Feast of Immaculate Conception.</i> Whole-time Day Schools—excepting Day Apprentice School and Special Classes—closed.
DEC. 11, SATURDAY	Teaching work in Whole-time Day Schools ceases (excepting Day Apprentice School and Special Classes).
DEC. 13, MONDAY	Term Examinations in Whole-time Day Schools commence.
DEC. 18, SATURDAY	Schools close for Christmas Vacation.
1938—JAN. 3, MONDAY	All Classes resume work after Christmas Vacation.
JAN. 6, THURSDAY	<i>Feast of Epiphany.</i> Whole-time Day Schools—excepting Day Apprentice School and Special Classes—closed.
MAR. 4, FRIDAY	Land Surveying and Levelling Course begins.
MAR. 17, THURSDAY	<i>St. Patrick's Day.</i> Schools closed.
MAR. 19, SATURDAY	Land Surveying Field Work begins. Motor Car Driving Lessons begin.
APR. 12, TUESDAY	Last meeting of classes before Easter Vacation.
APR. 20, WEDNESDAY	All classes resume work after Easter Vacation.
APR. 29, FRIDAY	Evening Classes close—excepting Special Classes.
MAY 2, MONDAY	Evening Examinations commence.
MAY 26, THURSDAY	<i>Ascension Day.</i> Whole-time Day Schools—excepting Day Apprentice School and Special Classes—closed.
JUNE 6, MONDAY	<i>Whit-Monday.</i> Schools closed.
JUNE 16, THURSDAY	<i>Feast of Corpus Christi.</i> Whole-time Day Schools—excepting Day Apprentice School and Special Classes—closed.
JUNE 25, SATURDAY	Teaching work ceases in Whole-time Day Schools—excepting Day Apprentice School and Special Classes.
JUNE 27, MONDAY	Sessional Examinations commence in Whole-time Day Schools—excepting Day Apprentice School and Special Classes.
JUNE 29, WEDNESDAY	<i>Feast of Saints Peter and Paul.</i> Whole-time Day Schools—excepting Day Apprentice School and Special Classes—closed.
JULY 2, SATURDAY	Whole-time Day Schools and Part-time Domestic Economy Classes close—excepting Day Apprentice School and Special Classes.
JULY 16, SATURDAY	Day Apprentice School and Special Classes close.

Schools closed on all Bank Holidays not specified in above Calendar

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# DAY TECHNICAL COURSES

**TECHNICAL INSTITUTES**

**BOLTON STREET  
RINGSEND  
KEVIN STREET**

Application for entry to classes, other than Day Apprentice, should be made during the second week of September, 1937.

Further particulars relating to Courses and Classes may be obtained from the Chief Executive Officer or the Principals of the various Institutes



## DAY APPRENTICE SCHOOL

### BOLTON STREET, KEVIN STREET AND PARNELL SQUARE

Courses in selected trade subjects are being continued under the terms of the Day Apprentice School Scheme inaugurated in 1920. The object is to link Technical Education closely with industry by giving a specialised training from the outset of a boy's industrial career. Apprentice Scholarships are awarded periodically to boys between the ages of fourteen and sixteen years. These Scholarships comprise free training for two complete years in the Apprentice School, with payment of 6s. weekly for the first year, and 8s. weekly for the second year. New courses will be duly announced.

The trades in which Courses are at present being conducted are :—

<b>BOLTON STREET.</b> Watchmaking Plumbing Bricklaying Painting	<b>KEVIN STREET.</b> Bootmaking Tailoring <b>PARNELL SQUARE</b> Chefs
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### BOLTON STREET

#### DAY APPRENTICE SCHOOL.

##### WATCHMAKING.

Subjects and number of hours per week :—

Practical Work	.....	.....	.....	.....	22 hours
Practical Drawing	.....	.....	.....	.....	1 „
Irish	.....	.....	.....	.....	2 „
English	.....	.....	.....	.....	1 „
Mechanics	.....	.....	.....	.....	1 „
Science	.....	.....	.....	.....	2 „
Mathematics	.....	.....	.....	.....	1 „
Total	.....	.....	.....	.....	30 hours

### DAY APPRENTICE SCHOOL.

#### BOLTON STREET.

#### PLUMBING, BRICKLAYING, PAINTING AND DECORATING.

Subjects and number of hours per week :—

Trade	.....	.....	.....	.....	15 hours
Mechanical Drawing	.....	.....	.....	.....	3 „
Mathematics	.....	.....	.....	.....	3 „
Science	.....	.....	.....	.....	3 „
Irish	.....	.....	.....	.....	1½ „
English and Geography	.....	.....	.....	.....	3 „
Free Drawing	.....	.....	.....	.....	1½ „
Total	.....	.....	.....	.....	30 hours

#### DAY APPRENTICE SCHOOL OF PRINTING.

#### BOLTON STREET.

By agreement with the Dublin Master Printers' Association and the Dublin Typographical Society, First and Second Year trade apprentices attend a practical course in Compositors' Work and in Letterpress Printing from 8.30 a.m. to 1 p.m. on five days each week. The subjects include Compositors' Work, Letterpress Printing, Irish, English, Arithmetic, Art Drawing and Machine Drawing.

Subjects and approximate number of hours per week :—

Practical Compositors' and Machine Work	.....	.....	.....	.....	8 hours
Irish	.....	.....	.....	.....	4½ „
English	.....	.....	.....	.....	6 „
Arithmetic	.....	.....	.....	.....	2½ „
Drawing	.....	.....	.....	.....	1½ „
Total	.....	.....	.....	.....	22½ hours



GENERAL DAY TECHNICAL COURSES.  
BOLTON STREET.

DAYTIME ENGINEERING COURSES,

These Scholarship Courses are designed to furnish a sound practical and theoretical training to boys who will subsequently enter the Motor Car, or the General Engineering Trade, as apprentices.

Entrance to the Course is confined to Students of the Day Junior Technical School and will be decided on the results of an Entrance Examination and reports as to attendance, progress and conduct.

The Scholarships entitle students to free instruction for a period of two years, with the provision of such books and instruments as are necessary for class purposes.

Subjects and approximate number of hours per week :-

	FRST YEAR.	SECOND YEAR.
Workshops and Garage	11 hours.	13 hours.
Motor Car Engineering Lectures	2 "	2 "
Mechanics	3 "	3 "
Machine Drawing	2 "	2 "
Geometry	2 "	- "
Science	4 "	4 "
Mathematics	2 "	2 "
English and Business Methods	2 "	1 "
Irish	2 "	1 "
Electricity	- "	2 "
Total	30 "	30 "

DAY COURSE IN BUILDING SCIENCE.  
BOLTON STREET.

A Day Course of Instruction suitable for those who intend to enter the Offices of Architects, Builders, Civil Engineers, Quantity Surveyors and others, is conducted periodically at the Technical Institute, Bolton Street, Dublin.

The Course will cover a period of about 18 months, and will occupy about 25 hours per week.

Instruments and materials for the use of students in the classes will be provided by the Institute.

As the number attending the Course will be limited, preference will be given to those whose education and suitability appear to be most satisfactory.

Fee for Course, £3.

At any time during the progress of the Course, the Ticket of Admission may be cancelled if the student proves unsatisfactory in any respect, but especially in regard to attendance, progress and conduct.

Fees cannot be returned.

SUBJECTS AND HOURS WEEKLY.

Building Construction and Quantities	14 hours.
Mathematics and Mechanics	2 "
Practical Geometry	2 "
Business Methods	2 "
Architectural Drawing	2 "
Science	2 "
Drill	1 "
Land Surveying and Levelling	Course.

PAINTERS' AND DECORATORS' COURSE.

AFTERNOON LECTURES AND PRACTICAL WORK FOR PAINTING  
APPRENTICES.

BOLTON STREET.

By agreement with the Master Painters' Association and the Trade Unions concerned, apprentices to the trade are allowed time off to attend afternoon classes twice weekly, as conditions permit.

JUNIOR COURSE FOR SECOND AND THIRD YEAR APPRENTICES.

SENIOR COURSE FOR FOURTH AND FIFTH YEAR APPRENTICES.



## CARPENTERS' AND JOINERS' COURSE.

AFTERNOON COURSE IN DRAWING AND PRACTICAL WORK FOR  
CARPENTRY AND JOINERY APPRENTICES.

BOLTON STREET.

By agreement with the Dublin Master Builders' Association and the Trades Unions concerned, apprentices to the trade are allowed time off to attend afternoon classes for six hours per week as conditions permit.

Junior Course on Mondays and Wednesdays, 2.15 p.m. to 5.15 p.m.  
Senior Course on Tuesdays and Thursdays, 2.15 p.m. to 5.15 p.m.

Courses similar to the above will be inaugurated in other trades in which the requisite conditions can be procured.

## SPECIAL SHORT COURSES

MOTOR CAR DRIVING AND MANAGEMENT.

BOLTON STREET.

During the Session a limited series of lessons will be arranged on Saturday afternoons between 2.30 and 6.0 o'clock, or on other suitable afternoons, in Motor Car Driving, practical management and cleaning. The series will comprise eight complete lessons. A certificate of ability to drive the particular instruction car or cars of the Schools will be given, on the advice of the Instructor, to those students who satisfy the tests prescribed.

Admission to the lessons is reserved for students of seventeen years of age or upwards who are in regular attendance at the classes of one of the Motor Car Engineering Day or Evening Courses. The formation of the classes will be duly notified to intending applicants for instruction.

Students are required to provide their own licences, and to have them in their possession at each lesson.

Fee for Course, £2.

RINGSEND.

A series of short intensive Courses are arranged during the Session for the needs of motor car drivers desirous of acquiring a direct practical knowledge of motor car mechanism, the detection of common faults, ordinary car adjustments and running repairs. The Courses will consist of not less than six lessons, each of one hour's duration,

and the hours of instruction will be arranged, as far as possible, to suit the convenience of applicants.

Fee for Course, £2.

## SPECIAL EVENING COURSE

BOLTON STREET.

WATCH AND CLOCK MAKING.

*Subjects:*

THEORY AND WORKSHOP DRAWING.  
PRACTICAL WORK.

THEORY AND DRAWING.

*Theory:* Measurement of time by astronomical means—mechanical and physical principles bearing on horology. Composition and properties of materials employed in watch and clock making. Wheel work—geometrical forms of teeth—wheel trains. The balance spring—number of vibrations per hour—calculation of watch trains. Friction—laws of friction—lubrication of clocks and watches. Main springs—special hookings—keyless mechanisms. Watch escapements—proportions and action—suspension of clock weights—mechanical principles of their action. The pendulum—simple and compensation—clock escapements. Electric clocks—systems of primary and secondary clocks, etc.

*Drawing:* Use of drawing instruments—drawing to scale—geometry of lever escapements—club tooth, double roller, etc. Cycloidal curves and their application to wheel tooth profiles, etc.

*Practical Work:* Description of tools used in watch and clock making—filing and polishing processes—hardening and tempering—treatment of springs. Turning operations—balance-staffs, pinions, pivots, etc. Train wheel cutting and mounting. Balance, springing and adjusting. Repair work—disassembly of movements—cleaning—various types of repairs and adjustments—testing and timing. Striking clocks—electric and other clocks and timepieces. Escapements—practice in dead beat, gravity, and other types of construction.

WATCH AND CLOCK MAKING.

Theory and Drawing ...	Thurs.	7.30-8.30	C4	F. O'Kelly.
Practical Work ...	Thurs.	7.35-10.5	C4	F. O'Kelly.



## KEVIN STREET

### DAY COURSE IN ELECTROTECHNOLOGY AND ENGINEERING SCIENCE.

The Course is designed to prepare students for entrance to Electrical Engineering Trades or other occupations requiring a specialised knowledge of the Principles of Electrical Science. Intending students should not be over seventeen years of age and should have attained a standard of general education equivalent to that of the Second Year of the Intermediate Course in Secondary Schools.

Fee for the Course, £2.

#### FIRST YEAR.

Subjects and number of hours per week :—

Workshop	.....	.....	.....	.....	5½ hours	
Drawing	.....	.....	.....	.....	1½ "	
Practical Mathematics	.....	.....	.....	.....	3½ "	
Preparation and Lab. Notebooks	.....	.....	.....	.....	1½ "	
Magnetism and Electricity	.....	.....	.....	.....	3 "	
General Science	.....	.....	.....	.....	2½ "	
Irish	.....	.....	.....	.....	3 "	
English and Civics	.....	.....	.....	.....	1½ "	
History	.....	.....	.....	.....	1 "	
Physical Training	.....	.....	.....	.....	2 "	
Total					.....	25 hours

#### SECOND YEAR.

Workshop	.....	.....	.....	.....	8½ hours	
Drawing	.....	.....	.....	.....	1½ "	
Practical Mathematics	.....	.....	.....	.....	1 "	
Electrical Engineering	.....	.....	.....	.....	5½ "	
Electrical Calculations	.....	.....	.....	.....	1½ "	
Preparation and Lab. Notebooks	.....	.....	.....	.....	1½ "	
Heat and Mechanics	.....	.....	.....	.....	2½ "	
Irish	.....	.....	.....	.....	1½ "	
English and Civics	.....	.....	.....	.....	1 "	
Physical Training	.....	.....	.....	.....	2 "	
Total					.....	26½ hours

## KEVIN STREET

### School of Wireless Telegraphy

#### EQUIPMENT.

The School is fully equipped with up-to-date Wireless Apparatus, including a standard 1½ K.W., 1929 Quenched Spark Transmitter, a 1½ K.W. I.C.W. and C.W. Transmitter, a ¼ K.W. Emergency Transmitter (lifeboat set), latest type valve receiver, and complete direction finding apparatus. Students have spacious rooms for Morse Practice and the use of fully-equipped Electrical and Physical Laboratories.

#### INSTRUCTION.

The Course of Training is arranged to prepare students in the shortest possible time for the Examination of Proficiency in Radiotelegraphy. The instruction consists of Lectures and Practical Work in Technical Electricity, Technical Wireless Telegraphy, and Telephony and Direction Finding, with practice on the 1½ K.W. Sets and other apparatus specified above, Morse training (traffic practice), instruction in the Handbook for Wireless Operators (Rules and Regulations), and Typewriting.

Students of the Day Course attend each day from 10—2 and 2—4.

#### FEEES.

The Fees, which cover tuition in all subjects up to obtaining the P.M.C. Certificate of Proficiency, are payable in advance, and are as follows :—

Course—First-class Certificate	.....	.....	£12 0 0
Second-class "	.....	.....	10 0 0

Students may arrange to take, with the approval of the Principal, any special course in the Evening programme.

#### ADMISSION.

Students are expected to have a good general education, with special attention to Handwriting and Spelling, Geography, Arithmetic and Algebra.



## SCHOOL SESSION.

The School of Wireless Telegraphy is conducted independently of the other classes in the Technical Schools, and is open all the year, with the usual holidays at Christmas, Easter, and Summer. Students are admitted at all periods. The usual time taken to train for Examination is about twelve months.

## Time Table

SUBJECT	Day	Hour	Room	TEACHER
Electricity and Magnetism Section A. (Seniors)	Wed.	11.30-12.30	12	W. Fegan.
	Fri.	11.30-12.30	12	E. Morton.
Electricity and Magnetism Section B. (Juniors)	Mon.	11.30-12.30	12	W. Fegan.
	Thurs.	11.30-12.30	12	E. Morton.
Technical Radio Lecture* Section A.	Mon.	3-4	11	H. Hodgens.
	Wed.	3-4	11	H. Hodgens.
	Fri.	3-4	11	H. Hodgens.
Practical Radio,* Section A. (Faults, adjustments, etc.)	Tues.	2-4	11	H. Hodgens.
	Thurs.	2-4	11	H. Hodgens.
Rules and Regulations ...	Tues.	11.30-12.30	13	H. Hodgens.
Telegraphy Practice (including handling of radio-tele- grams, etc.)	Daily	10.0-12.30	13	H. Hodgens.
		2-4	—	J. V. Honan.

Fortnightly examination tests will be held in all subjects.

\*Direction finding theory, and practice in taking and working out bearings will be included.

SYLLABUS OF EXAMINATION FOR CERTIFICATES  
OF PROFICIENCY IN RADIOTELEGRAPHY.INTERNATIONAL TELECOMMUNICATION  
CONVENTION.

(1) It is necessary for persons operating wireless telegraph apparatus on board ships registered in An Saorstát which are subject to the provisions of the Merchant Shipping (Wireless Telegraphy) Act, 1919, and the Merchant Shipping (Safety and Load Line Conventions) Act, 1933, to hold either a 1st or 2nd Class Certificate of proficiency issued by the Minister for Posts and Telegraphs in accordance with Article 10 of the General Radiocommunication Regulations annexed to the International Telecommunication Convention, 1932.

The First Class Certificate states that the holder possesses the following qualifications:—

(a) Knowledge of the general principles of electricity, of the theory of radiotelegraphy and radiotelephony, and of the practical adjustment and operation of all apparatus (spark C.W., I.C.W., and D.F.) and accessory apparatus used in the ship service.

(b) Transmitting, and receiving by ear, messages in plain language at a speed of 25 words a minute, and in code groups at a speed of 20 groups a minute.

(c) Sending and receiving spoken messages clearly by telephone apparatus.

(d) A detailed knowledge of the Regulations applying to the exchange of radiotelegraph traffic, of the documents relative to the charges for radiotelegrams, and of the radiotelegraph part of the Regulations for the Safety of Life at Sea.

(e) A knowledge of the principal maritime navigation routes and of the most important wire and wireless routes of the world.

(2) In order to qualify, candidates will be required:—

(a) To send for each test on an ordinary Morse key for three consecutive minutes at not less than the prescribed speed five letters or characters counting as one word or group. The accuracy of signalling, the correct formation of the characters, and the correctness of spacing, will be taken into account.

(b) To receive Morse signals for three consecutive minutes at the prescribed speeds from a double head-gear telephone receiver ordinarily used for radiotelegraph reception, and to transcribe them legibly.

(c) To send and receive traffic by means of telephone apparatus

(d) To have a theoretical and practical knowledge of the operation, adjustment and maintenance of spark C.W., I.C.W., and D.F. apparatus.

(e) To have a theoretical and practical knowledge of the operation, adjustment and maintenance of the accessory apparatus, such as motor-generator sets, storage batteries, etc.



(f) To have the necessary knowledge to make, with the means that would be available on board a ship, the repairs of damaged apparatus.

(g) To know the principal wire and wireless routes of the world, as indicated in the relative publications issued by the International Office of the Telegraph Union, Berne, and the principal maritime navigation routes of the world.

(3) The practical examination on the apparatus specified in Section 2 (d) above will include :—

(a) Connecting-up apparatus.

(b) Regulating and adjusting apparatus.

(c) Tracing and clearing faults.

(d) Repairing defective apparatus.

(e) Using D.F. apparatus to obtain bearings.

(f) Operating (sending and receiving).

(g) A test on commercial working, exchanging traffic as between a ship and other ship stations, and between a ship and a shore station.

(4) The theoretical examination will consist of two papers. Two hours will be allowed for the first, and three hours for the second paper. These papers will consist of comprehensive questions under the following headings :—

Magnetism, general electrical principles. Atmospheric electricity. Condensers. Primary and secondary cells. Direct, alternating and oscillatory currents. Electro-magnets. Electro-magnetic induction. Meters. Motors, dynamos, alternators and converters. Spark, C.W. and I.C.W. transmitting installations : principles, apparatus, circuits, adjustments, maintenance. Receiving apparatus : principles, circuits, adjustments, maintenance. Emergency installations. Ether waves. Aerials. Radiotelephony, transmitting and receiving apparatus : principles, circuits, adjustments, maintenance. Direction-finding apparatus : principles, circuits, adjustments, maintenance. Auto-alarm devices : principles, adjustments, maintenance.

The standard of theoretical knowledge required from a candidate for a First Class Certificate calls for a sound grasp of the theoretical principles and of the practical methods of application thereof. The candidate's mathematical knowledge should include algebra up to

simple questions, elementary graphs and the elements of trigonometry. Questions in the written tests dealing with the practical application of general principles will have reference to one or other of the commercial sets fitted in merchant ships.

(5) The examination in the Radiocommunication Regulations will be based upon the rules contained in the "Handbook for Wireless Telegraph Operators," which can be obtained through any bookseller or direct from the Stationery Office, London. These rules, subject to suitable verbal alteration where necessary, e.g., Minister for Posts and Telegraphs for Postmaster-General; The Secretary, Department of Posts and Telegraphs, Dublin, for The Secretary, General Post Office, London; Accountant, Department of Posts and Telegraphs, Dublin, for Comptroller and Accountant General, London; Irish Free State for Great Britain and Northern Ireland or United Kingdom; Irish for British, etc., will apply for the time being, in the case of ships' radiotelegraph installations licensed by the Minister for Posts and Telegraphs of the Irish Free State.

The commercial working test will include the preparation of messages for transmission; insertion of preambles, charges, routes; order of transmission; transmission and reception of messages at the prescribed speeds; log keeping; procedure signals.

(6) The Second Class Certificate states that the holder possesses the following qualifications :—

(a) An elementary theoretical and practical knowledge of electricity and radiotelegraphy, as well as knowledge of the practical adjustment and operation of spark, C.W., and I.C.W. apparatus and accessory apparatus used in the ship service.

(b) Transmitting, and receiving by ear, messages in plain language at a speed of 20 words a minute, and code groups at a speed of 16 groups a minute.

(c) A knowledge of the Regulations applying to the exchange of radiotelegraph traffic, of the documents relative to the charges for radiotelegrams, and of the radiotelegraph part of the Regulations for the Safety of Life at Sea.

(d) A knowledge of the principal maritime navigation routes and of the most important wire and wireless routes of the world.



(7) In order to qualify, candidates will be required :—

(a) To send for each test on an ordinary Morse key for three consecutive minutes at not less than the prescribed speeds, five letters or characters counting as one word or group. The accuracy of signalling, the correct formation of the characters, and the correctness of spacing will be taken into account.

(b) To receive Morse signals for three consecutive minutes at the prescribed speeds from a double head-gear telephone receiver ordinarily used for radiotelegraph reception, and to transcribe them legibly.

(c) To have an elementary theoretical and practical knowledge of the operation, adjustment and maintenance of spark C.W. and I.C.W. installations, and their accessory apparatus, such as motor-generator sets, storage batteries, etc.

(d) To have practical knowledge sufficient for making small repairs in case of damage to the apparatus.

(e) To know the principal wire and wireless routes of the world, as indicated in the relative publications issued by the International Office of the Telegraph Union, Berne, and the principal maritime navigation routes of the world.

(8) The practical examination will include :—

(a) Operating (sending and receiving).

(b) A test in commercial working, exchanging traffic as between two stations in the mobile service.

(c) Connecting-up apparatus.

(d) Regulating and adjusting apparatus.

(e) Tracing and clearing faults.

(9) The theoretical examination will consist of one paper, for which three hours will be allowed. This paper will consist of comprehensive questions under the following headings :—

Primary and secondary cells. Direct, alternating and oscillatory currents. Meters. Motors, dynamos, alternators, and converters. Spark, C.W. and I.C.W. transmitting installations; principles,

apparatus, circuits, adjustments, maintenance. Receiving apparatus : principles, circuits, adjustments, maintenance. Emergency installations. Aerials. Auto-alarm devices : principles, adjustments, maintenance.

The standard of theoretical knowledge required from a candidate for a Second Class Certificate calls for a sound grasp of the theoretical principles and of the practical methods of application thereof. The candidate's mathematical knowledge should include algebra up to simple equations, elementary graphs and the elements of trigonometry. Questions in the written tests dealing with the practical application of general principles will have references to one or other of the commercial sets fitted in merchant ships.



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KEVIN STREET

SPECIAL TRADES

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BOOT and SHOE MANUFACTURE

LADIES' HAIRDRESSING

GENTLEMEN'S HAIRDRESSING

TAILORING — GENTLEMEN'S CUTTING

TAILORING—LADIES CUTTING

IRISH

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FEES PER SESSION.

Hairdressers' Work, 7s. 6d.; Tailoring, 7s. 6d.; Boot and Shoe Manufacture, 7s. 6d.; Watchmaking, 7s. 6d. Trade students may take a class in Irish at an additional fee of 2s. 6d. Fees cannot be refunded.

Applicants for admission to courses or classes must be at least fourteen years of age.

The Trade classes are primarily intended for those engaged in the several trades. Others will not be admitted before November 1st, and then only if there be room, and on payment of a quadruple fee.

A laboratory or workshop class can only be taken in conjunction with an approved lecture or drawing class. No student will be allowed to continue in a laboratory or workshop class if his attendance at the lecture or drawing class is unsatisfactory.

A class may be discontinued if an insufficient number of students join or attend; the number of evenings allotted weekly to a class may be reduced if there be a falling off in the attendance. The right is reserved to close classes for any other reason whatever.

Students must make good any damage done by them.

Strict order must be observed at all times within the precincts of the Schools.

A complete course of study in any section generally occupies about three years.

Where possible, separate classes for journeymen will be arranged in trades subjects.

SPECIAL WORK.

Arrangements will, as far as possible, be made to enable highly qualified students to carry on drawing or practical work of a special nature. Students who desire to take advantage of this privilege should make application to the Head of the Department.

BOOT AND SHOE MANUFACTURE.

HANDICRAFT AND FACTORY OPERATIVE COURSES.

*The aim of this class is to give a knowledge of the various branches of the trade to apprentices and improvers, who, owing to the increased use of machinery, are usually confined to one of the many branches of the Boot Trade.*

Several machines have been added to the equipment.



## FIRST, SECOND AND THIRD YEARS.

Determination of simple areas, as of skins—definition of terms—the action of water upon leather—metric system of measurement—differences between the bones of the infant and adult—how muscles act, effect of friction and pressure—formation of the foot and leg, with their characteristics and functions—methods of obtaining shape and dimensions of the foot and leg—measuring apparatus—methods of recording measurements—fitting up lasts for bespoke. *Pattern-cutting*: Standards; men's and boys', ladies' and girls'—drafting standard pattern—grading patterns into sets—cutting patterns into working sets. *Clicking*: Selection and description of various hides and skins and their adaptability—economy in cutting up skins for men's and ladies' boots—upper fitting. *Closing*: Action of parts of simple machines for uppers. *Rough stuff cutting*: The hide and its divisions—cutting and sorting bottom stuff. *Lasting*: Hand-lasting for machine-sewn work—machine-lasting for machine-sewn work with reference to various machines used. Methods of attaching soles to uppers, boots for malformed feet. *Finishing*: Hand-finishing—description of tools—machine-finishing—acids, stains, colouring substances, dyes, and paints used in finishing boots and shoes. *Hand-sewn method*: Preparing insole—welt and lasting—attaching welt and sole. *Raw materials*. *Tanning*.

## TIME TABLE.

## HANDICRAFT.

				Room
Boot and Shoe Making—I.	...	M., W.	8.0-10.0	... 3 ... P. J. Casey
Boot and Shoe Making—II.	...	Tu., W.	8.0-10.0	... 3 ... P. J. Casey
Boot and Shoe Making—III.	...	Tu., Th.	8.0-10.0	... 3 ... P. J. Casey

## BOOT FACTORY OPERATIVES' COURSE.

				Room
Clicking and Pattern Cutting—I.	...	M.	8.0-10.0	... 14 ... P. J. Casey
Factory Methods & Operations—I.	...	W.	8.0-10.0	... 14 ... P. J. Casey

## HAIRDRESSERS' WORK.

Students are advised to qualify for certificates at the end of each year's course, as their admission to higher grades depends on their examination results.

The Institute's Diploma of Proficiency will be awarded to students who complete a four years' course and pass the final examination.

Students should provide their own waving tongs, combs, scissors, razors and strops.

## LADIES' HAIRDRESSING.

The course covers a period of four years.

## FIRST YEAR.

*Boardwork*: Preparation and turning of combings; making switches, marteaux, frissure forcee, mixing, knotting and mounting.

Department in saloon. Hairdressing, cutting, singeing, curling, Marcel waving.

## SECOND YEAR.

*Boardwork*: Advanced exercises in mixing hair, knotting, etc.

*Water-waving*: Its methods and requirements.

*Modern Hairdressing* with use of postiche and ornaments.

## THIRD YEAR.

*Face and Scalp* Massage with use of high frequency apparatus, etc.

*Permanent Waving*.

## FOURTH YEAR.

Hair-dyeing in liquid dyes of one or more solutions; henna applications, bleaching, etc. Historical and Poudre hair-dressing; purpose of each design; studies of various periods, the postiche, ornaments.

## GENTLEMEN'S HAIRDRESSING.

TO COVER A PERIOD OF TWO YEARS.

Department in saloon, haircutting, shaving, shampooing, beard cutting, vibro scalp and face massage, razor setting. High-frequency treatment—scalp and face. Singeing. Oil Shampooing. Boncilla face massage. Electric haircutting.

## TIME TABLE.

Ladies' Hairdressing.				ROOM	
1st Year (men)	A	Mon.	8.10	15	M. Noonan and J. D'Arcy
do.	B	Tues.	8-10	16	do.
2nd Year	A	Wed.	8-10	15	do.
1st Year (women)		Fri.	8-10	15	do.
Gentlemen's Hairdressing.					
1st Year	...	Wed.	8.30-10	16	T. Purcell.
2nd Year	...	Fri.	8.30-10	16	T. Purcell.



## LADIES' CUTTING.

## FIRST AND SECOND YEARS.

*Drafting and Cutting*: Elementary study of the female figure. *Record of measurements*: General principles of construction of patterns. Plain sac coat outline by means of divisional system for normal figures, semi-sac coat. Two-piece coat (with bust cut). Panel jackets. The sleeve and collar system. Plain skirts, one and two-piece. Ulsters, Raglans, Kimono, Deep seye coats. Coat frocks. Capes, wrap skirt, pleated skirt. Sports coats, e.g., blazers and tennis wraps.

Modelling; Patterns in Toile. Making a model without panel suppression. The modelled "Lounge" outline. Modelling outline of a sidebody jacket.

## PRACTICAL TAILORING.

A general knowledge of materials usually used for women's coats and costumes, particularly in relation to fit and cutting. A thorough working knowledge of linings, canvas and other materials commonly used for trimmings, quantities required. Various kinds of sewing, such as felling, side and cross stitching, padding collars and lapels, sewing on buttons. Pockets of all types, fancy and plain. Button holes, piped and worked with twist. The cutting of linings for the body and sleeves and canvas for shaped foreports.

## TIME TABLE.

Subject	Day	Hour	Teacher
Tailors' Cutting I & II ...	Mon., Thur.	7.30-9.30	W. Kelly
Ladies' Cutting & Tailoring I & IV	Tues., Fri.	7.30-9.30	W. Kelly
Tailors' Cutting II, III & IV	Wed., Fri.	7.30-9.30	W. Kelly

Assistant Teachers—T. O'Carroll. P. Delaney.

A Class in Fashion Drawing may be taken in addition.

Lectures covering the Syllabus on Knowledge of Materials will be given during the Session at times to be arranged.

## GENERAL CURRICULUM OF THE SCHOOLS

UNDER THE CONTROL OF

## THE CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE.

## BOLTON STREET TECHNICAL SCHOOL

Mechanical Engineering.	Building Science.
Motor Car Engineering.	Building and Allied Trades.
Gas Engineering.	Printing and Book Production.
Metal Plate Work.	Watchmaking.
Brass Finishing.	Art and Art Crafts.
Day Apprenticeship and specialised Daytime Technical Courses.	
Day Junior Technical School.	

## KEVIN STREET TECHNICAL INSTITUTE

Pure and Applied Mathematics.	Radio-Telegraphy.
Pure and Applied Physics.	Art and Art Crafts.
Pure and Applied Chemistry.	Domestic Science and Housecraft.
Bacteriology.	Bakery Science and Practice.
Pharmacy.	Bootmaking.
Electrical Engineering and Allied Trades.	Hairdressing.
	Tailoring.

## PARNELL SQUARE TECHNICAL INSTITUTE

General Commercial Subjects.	Transport.
Accountancy and Allied Subjects.	Day Trade Classes:—
Local Government.	Dressmaking.
Domestic Science and Housecraft.	Shirtmaking (Power),
Languages.	Clothing Manufacture (Power)
Retail Distribution.	Chefs' Training Course.

Day School of Commerce.

Pre-Employment Day Courses for Girls.



# GENERAL CURRICULUM OF THE SCHOOLS

UNDER THE CONTROL OF

## THE CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE.



### PEMBROKE TECHNICAL INSTITUTE (Ringsend and Ballsbridge)

General Commercial Subjects.	Mechanical Engineering.
Retail Distribution.	Motor Car Engineering.
Languages.	Oxy-Acetylene Welding.
Domestic Science and Housecraft.	Building Trades.
Art and Art Crafts.	

Day School of Commerce.  
Day Junior Technical School.

### RATHMINES TECHNICAL INSTITUTE

General Commercial Subjects.	Banking, Finance and Foreign Ex- change.
Accountancy, Auditing and Allied Subjects.	Company Secretaries.
Insurance.	Government Accountancy & Finance.
Advertising and Publicity.	Languages.

Domestic Science and Housecraft.  
Day School of Commerce.  
Pre-Employment Day Courses for Girls.

### MARINO TECHNICAL INSTITUTE

General Commercial Subjects.	Metalwork.
Languages.	Science.
Domestic Science and Housecraft.	Woodwork.

Day Junior Technical School.  
Day School of Commerce.  
Pre-Employment Day Courses for Girls.

### CHATHAM ROW SCHOOL OF MUSIC (Day and Evening Classes)

Pianoforte.	Wind Instruments (Wood & Brass).
Violoncello.	Fifes.
Uilleann and Irish War Pipes.	Viola.
Elocution.	Orchestra.
Violin.	Drums and Flute.
Singing and Choir.	Traditional Music.
Organ.	Irish Harp.