

1935

Special Trades: Prospectus of Courses Session 1935-36

City of Dublin Vocational Education Committee

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City of Dublin
Vocational Education Committee

SCOILEANNA CEÁRD-OIDEACÁIS
City of Dublin Technical Schools

Seirliún
1935-36



Session
1935-36

SPECIAL TRADES
PROSPECTUS OF COURSES

KEVIN STREET :: :: BOLTON STREET

CALENDAR

SESSION 1935-6

1935.	
Sept. 2, Monday.	Wholetime Day Schools open for enrolment. Day Apprentice School resumes work.
Sept. 9, Monday.	Wholetime Day Schools commence work, and Part-time Day Classes open for enrolment.
Sept. 16, Monday.	Evening Classes open for enrolment, and Part-time Day Classes commence work.
Sept. 23, Monday.	Evening Classes commence work.
Nov. 1, Friday.	<i>All Saints' Day.</i> Wholetime Day Schools—excepting Day Apprentice School and Special Classes—closed.
Dec. 8, Sunday.	<i>Feast of Immaculate Conception.</i>
Dec. 14, Saturday.	Teaching work in Wholetime Day Schools ceases (excepting Day Apprentice School and Special Classes).
Dec. 16, Monday.	Term Examinations in Wholetime Day Schools commence (excepting Day Apprentice Schools and Special Classes).
Dec. 21, Friday.	Schools close for Christmas Vacation.
1936.	
Jan. 6, Monday.	<i>Feast of Epiphany.</i>
Jan. 7, Tuesday.	All classes resume work after Christmas Vacation. New Courses in Practical Pharmacy commence.
Mar. 7, Saturday.	Land Surveying and Levelling Course begins. Motor Car Driving Lessons begin.
Mar. 17, Tuesday.	<i>St. Patrick's Day.</i> Schools closed.
Mar. 28, Saturday.	Land Surveying Field work begins.
Apr. 7, Tuesday.	Last meeting of classes before Easter Vacation.
Apr. 15, Wednesday.	All classes resume work after Easter Vacation.
Apr. 16, Thursday.	New Courses in Practical Pharmacy commence.
May 1, Friday.	Evening classes close (excepting Special Classes).
May 4, Monday.	Evening class written Sessional Examinations commence (except for Special classes).
May 21, Thursday.	<i>Ascension Day.</i> Wholetime Day Schools—excepting Day Apprentice School and Special classes—closed.
June 1, Monday.	<i>Whit Monday.</i> Schools closed.
June 11, Thursday.	<i>Feast of Corpus Christi.</i> Wholetime Day Schools—excepting Day Apprentice School and Special Classes—closed.
June 20, Saturday.	Teaching work ceases in Wholetime Day Schools—excepting Day Apprentice School and Special classes.
June 22, Monday.	Sessional Examinations commence in Wholetime Day Schools, excepting Day Apprentice School and Special classes.
June 27, Saturday.	Wholetime Day Schools close, excepting Day Apprentice School and Special classes.
June 29, Monday.	<i>Feast of Saints Peter and Paul.</i>
July 17, Friday.	Day Apprentice School and Special classes close.

Schools closed on all Bank Holidays not specified in above Calendar.

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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 4th, 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.

SPECIAL TRADES

KEVIN STREET

BOOT and SHOE MANUFACTURE

LADIES' HAIRDRESSING

GENTLEMEN'S HAIRDRESSING

TAILORING—GENTLEMEN'S CUTTING

TAILORING—LADIES' CUTTING

IRISH

BOLTON STREET

WATCH and CLOCK MAKING

TECHNICAL INSTITUTE, KEVIN STREET

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 ...
Factory Methods and Operations—I...	...	W.	8.0-10.0	... 14 ...

TECHNICAL INSTITUTE, KEVIN STREET

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.

TECHNICAL INSTITUTE, KEVIN STREET

GENTLEMEN'S HAIRDRESSING.

TO COVER A PERIOD OF TWO YEARS.

Department in saloon, shaving, hairbrushing, the care of tools, etc., hair-cutting, singeing, hand-vibro, hot-towel work, etc., razor hair-cutting, hair waving, hair tinting and dyeing, high frequency face treatment, etc.

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.

TAILORING

GENTLEMEN'S CUTTING (RETAIL).

FIRST AND SECOND YEARS.

Measuring and Drafting: Method of recording for normal and abnormal figures—method of taking short direct measures and their application—principles of scale drawing and drafting patterns.....coat, vest and trousers cutting. General principles and practical tailoring.

GENTLEMEN'S CUTTING (WHOLESALE & RETAIL).

THIRD AND FOURTH YEAR.

PRACTICAL TAILORING. THIRD YEAR.

A general knowledge of woollens and worsteds, serges, gabardines, velvet, tweeds, flannels, meltons and saxon and worsted suitings, par-

ticularly in relation to fit and cutting. A thorough working knowledge of linings, canvas and materials commonly used for trimmings: quantities required. Filling, side and cross stitching. Tacking pockets, padding collars. Welts, pocket stays, stoating, fine drawing, seaming, rantering and button-holes, preparing canvas for shaping of fronts in coats.

FOURTH YEAR.

General knowledge of the various sewings, required in all classes of coats, waistcoats, trousers and plus fours (including body coats and Raglans). Stitching to suit weight of all materials. Basting. Shaping collars for covering with material or velvet. Shaping of shoulders and putting in sleeves. The process of filling; alterations: method of indicating and correcting defects. Examination and passing of finished garments.

DRAFTING AND CUTTING. THIRD AND FOURTH YEARS.

Elementary study of the male figure. General principles of the construction of patterns. An introduction to the various disproportions in coats, trousers and waistcoats. Disproportion and unusual figures. Pantaloon, riding breeches and Judpurs. Drafting of body coats, dress coats, morning coats, frock coats, uniform, hunting, riding and Raglans. Variations in drafting coats for erect, stooping, and corpulent figures: square, round and sloping shoulders, long neck and short neck; provision for corpulency in overgarments.

FASHION DRAWING.

Studies of drapery. The representation of textures. The proportions of the figure.

GENTLEMEN'S CUTTING (WHOLESALE & RETAIL).

FINAL GRADE (Full Technological Certificate Examination).

Practical Tailoring and complete garment making. Knowledge of materials; Raw materials; wool and hairs, cotton, linen, Jute, silk and rayon; their characteristic features, properties and composition. Simple methods of identification. Re-manufactures and by-product

fibres. Yarns: characteristic features of woollen and worsted yarns, twist-in yarns, single and multifold yarn cloth making process; weaving, dyeing and finishing. Principle of cloth construction: identification of simple and compound structures. Quality in fabrics. Styles of finish in woollen and worsted fabrics. Tensile strengths of sewings, yarns and fabrics and defects due to faults in production. Analysis and testing of fabric, including the identification of fibre content, yarn and weave structure. The determination of the thread units per inch, the counts of the yarn, the name and quality of the fabric and the weight per yard. Garment Design: The elements of garment design and their application to pattern making. The cutting of stock and measure garments. Standard sizes: Regular, long, short and stout measurements for all over garments. The variations from the normal block pattern for special and unusual style features. Marking-in and matching the garment parts; fillings, inlays and up-turns in stock and special garments. Cutting for try-on garments: inlays; correct procedure in trying-on, re-making after trying-on. The principles of grading: grading long and short sizes.

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.

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

TECHNICAL INSTITUTE, BOLTON ST.

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—clean-

ing—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.

IRISH.

FIRST YEAR.

Oral: Conversation lessons on simple matters such as the following:—Name, home or residence, salutations, the clock, days of the week, months and seasons, the weather, money, easy counting, colours, etc. Location of objects in the classroom and neighbourhood, parts of the body and clothing, giving and carrying out simple orders. With the conversational lessons, the student will be familiarised with the use of *is* and *tá*, and of verbal nouns.

Written Work: Each student will keep a note-book to record the salutations, phrases, etc., in correct Irish.

Cultural: Memorising of simple songs, rhymes, stories, etc., so as to be able to repeat them with correct *blas*. Stories and recitations by Gaelic authors.

GENERAL CURRICULUM OF THE SCHOOLS

UNDER THE CONTROL OF

THE CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE.

EVENING SCHOOL COURSES.

Architecture and Building.
Furniture.
Chemistry.
Botany, Materia Medica, Pharmacy.
Mathematics.
Physics.
Electrical Engineering and Allied Trades.
Radio Communication
Mechanical Engineering and Allied Trades.
Motor Car Engineering.
Gas Engineering and Gas Fitting.
Oxy-Acetylene Welding.
Electric Welding.
Brassfinishing.
Printing and Book Production.
Art and Art Crafts—Woodcarving, Enamelling on Metal, Leatherwork, Book Illustration.
Commerce and Languages.
Domestic Science and Women's Work.
Catering Trades.
Bootmaking.
Hairdressing.
Tailoring.
Watchmaking and Repairing.
Music.
Physical Training, and

DAY SCHOOL COURSES.

Day Apprentice Schools.
Day Junior Technical Schools.
Day Schools of Commerce.
Retail Distribution.
Building Science.
Printing (Apprentices).
Painting (Apprentices).
Radio Telegraphy.
Electro Technology.
Shirtmaking (Power Machines)
Clothing Manufacture (Power Machines)
Art Leatherwork
Dressmaking.
Needlework.
Cookery.

DAY CONTINUATION WORK

(for Boys and Girls between 14 and 16 years).

