

1890

**Fourth Annual Report of the Governors of the City of Dublin  
Technical Schools and Science and Art Schools for the Session  
1889-90**

City of Dublin Technical Schools

Follow this and additional works at: <https://arrow.tudublin.ie/tecscjannn>



Part of the [Education Commons](#)

---

**Recommended Citation**

City of Dublin Technical Schools:Fourth Annual Report of the Governors of the City of Dublin Technical Schools and Science and Art Schools for the Session 1889-90. Dublin, Falconer Printer, 1890

This Report is brought to you for free and open access by the City of Dublin Technical Schools at ARROW@TU Dublin. It has been accepted for inclusion in Annual Reports by an authorized administrator of ARROW@TU Dublin. For more information, please contact [arrow.admin@tudublin.ie](mailto:arrow.admin@tudublin.ie), [aisling.coyne@tudublin.ie](mailto:aisling.coyne@tudublin.ie), [vera.kilshaw@tudublin.ie](mailto:vera.kilshaw@tudublin.ie).

FOURTH  
ANNUAL REPORT  
OF  
THE GOVERNORS  
OF THE  
City of Dublin Technical Schools,  
AND  
SCIENCE AND ART SCHOOLS,  
FOR THE  
SESSION 1889-90.

---

FALCONER, PRINTER, DUBLIN.

1890.

Governors of the Science and Art Schools :  
THE PUBLIC LIBRARIES COMMITTEE.

Committee of Management :

1890.

The Right Honorable E. J. KENNEDY,  
J.P., Lord Mayor, 1890.

*Ten Members of the Municipal Council.*

Alderman KERNAN.  
Alderman O'CONNOR.  
Alderman Sir GEORGE MOYERS, LL.D.  
Councillor CUMMINS.  
Councillor LEMASS.  
Councillor Sir G. B. OWENS, M.D., J.P.  
Councillor MURPHY.  
Councillor O'KELLY.  
Councillor O'REILLY.  
Councillor SHANKS.

*Six Members selected by the Trades.*

CHRISTOPHER BEAKEY (Regular Carpen-  
ters, Gloucester-street).  
W. LEAHY (Coopers).  
JOHN BEDFORD (Operative Plumbers).

JOHN MARTIN (Brassfounders).  
CHARLES O'REILLY (other Trades).  
JOHN PURTELL (Tailors).

*Thirteen Members elected by the Subscribers  
to the Technical Schools.*

W. F. BARRETT, F.R.S.E., Professor of  
Physics, R.C.S.  
ARNOLD GRAVES.  
W. R. MAGUIRE.  
GEO. F. FITZGERALD, F.R.S., F.T.C.D.  
THOMAS R. SCOTT.  
HENRY WIGHAM.  
Professor J. P. O'REILLY, C.E., R.C.S.  
JOHN MULLIGAN.  
JOHN FAGAN.  
GEORGE COFFEY.  
Rev. GERALD MOLLOY, D.D.  
Councillor ROBERT SEXTON, J.P.

*The above Committee of Management are also the Governors of the Technical  
Department of the Schools.*

ARNOLD GRAVES, *Hon. Sec.*  
W. R. MAGUIRE, *Hon. Treas.*  
W. V. DIXON, B.A., *Assistant Sec.*

REPORT  
OF  
THE GOVERNORS  
OF THE  
CITY OF DUBLIN TECHNICAL SCHOOLS,  
AND  
SCIENCE AND ART SCHOOLS,  
FOR THE SESSION 1889-90.

---

We beg to submit herewith our Annual Report. During the Session commencing in October, 1889, and ending May, 1890, Classes were held in the following subjects:—Practical Geometry, Mathematics, Theoretical and Applied Mechanics, Machine Construction, Building Construction, Metal Plate Work, Plumbing, Carpentry and Joinery, Tailors' Cutting, Elementary Manual Instruction, Freehand Drawing, Modelling, Chemistry (Theoretical and Practical), Sound, Light, and Heat, Electricity and Magnetism, Steam, Photography, Cookery, Dress-making, Shorthand, and Book-keeping.

The total number of those whose names appeared on the School Roll for the past year was 556, as against 432 in the previous Session.

The average nightly attendance increased from 65·5 in the previous year to 94·3 ; but we look forward to a much larger attendance when the Schools become more widely known, and the value of Technical Education more fully appreciated. In order to encourage greater regularity we have introduced a scheme of prizes for home work, good attendance, &c. We have empowered our Assistant Secretary to refuse admission to any pupil joining late, if in his opinion he would interfere with the progress of the rest of the Class.

### *May Examinations.*

The successes of our pupils at the Examinations of the Science and Art Department and of the City and Guilds of London Institute will be found in Appendix A., and it is satisfactory to be able to report that there is a substantial increase in the amount of results fees claimed this year.

### *Fees.*

We received £276 2s. 6d. in fees during the Session 1889-90, as against £200 6s. 6d. received during the Session 1888-9.

### *New Classes.*

During the Session 1889-90 we opened new Classes in the following subjects :—Building Surveying, Tailors' Cutting, Mechanical Engineering, and Book-keeping, and, with the exception of Mechanical Engineering, these Classes were well attended.

*Day Classes.*

We beg to call the attention of our Subscribers to the following sentence which occurred in our Report for last Session :—“ We regret that, owing to want of funds, these fine premises will remain unoccupied by day, though they might with great advantage be made use of for giving a practical education to those who have leisure to attend, and who purpose pursuing an industrial or commercial career.”

*Extension.*

At the request of the Governors, the Secretary made the following Report upon the expediency of opening Technical Classes in other parts of the city :—

“ Having been requested by the Governors of the City of Dublin Technical Schools to report upon the expediency of establishing Technical Classes in other parts of the City, I beg to submit herewith the following :—The steady growth of the Schools during the past three years leads me to believe that next Session our present premises will be overcrowded.

“ At the end of the first Session there were 222 pupils on the rolls. At the end of the second year there were 432. At the end of the last Session there were 560, and as we have commenced this Session with an attendance of 251 as against 200 last year, it is, to say the least, highly probable that our numbers will reach 700 before the the end of the Session. On the ground, therefore, of inadequacy of accommodation alone I consider that it will be necessary either to build additional class rooms at Kevin-street or to open classes in other parts of the city. With regard to the first of these alternatives I am not disposed to recommend it until the attendance of pupils from the south side of the city is greater than the Schools can accommodate. I have made an analysis of the residences of the pupils attending the Schools, and I find that 425 reside on the south side, while 135 reside on the north side. These figures in

themselves afford a strong argument for adopting the alternative course of opening classes elsewhere, as it proves that the working classes on the north side do not avail themselves of the benefits which the Schools afford as largely as their brethren who reside in the immediate proximity of the Schools. When we come to look into the matter the reasons for this are obvious. A working man leaves off work at 6 o'clock, and between that and half-past seven when our classes open he must walk home, change his clothes, eat his supper, and walk to the Schools. Save, therefore, for the cases where men live near their work it is almost impossible for them to attend a Technical Evening School which is not close at hand. I have made inquiries, and from what I can gather there is a proportionately larger number of the artisan class resident on the north side of the city than on the south side, and as there is no apparent reason why artisans on the north side of the city should be less diligent than those on the south side, one might fairly expect that if a Technical School were opened on the north side the attendance would not fall far short of 500 pupils. The returns furnished by the Science and Art Department show that in towns in England, which are as large as Dublin, there at least three thousand attending Technical Evening Classes. Until, therefore, accommodation is provided in Dublin for such a number the wants of the city in this respect will not be supplied.

“Owing to the configuration of the city, and to the fact that its manufacturing establishments are scattered all over it, I believe that it would be advantageous not only to establish a Technical School on the north side, but also to establish one somewhere in the East of the city, and another at Ringsend for the benefit of fishermen and sailors. As regards this latter school it would be within the Pembroke Township, and would largely benefit the fishermen who reside therein. I believe that such a school would receive not only support from the general public, but that the Government might be induced to make a special grant for its support, as they have already recognised the importance of developing the Irish fisheries. The Royal Dublin Society too, who have already contributed generously to our funds, might be induced to co-operate towards this good object; and if upon examination the funds of the Dublin Corporation are found to be available for this purpose, they too might contribute something towards establishing a district Technical School at Ringsend, which would benefit the city population on both sides of the river. From inquiries which I have

made there would be no difficulty in obtaining a suitable site for such school.

“As regards the suggested school in the East end of the city, I believe the wisest course would be to take no steps in that direction till the North-side school has filled.

“To return, then, to the consideration of establishing technical classes on the north side. At the request of the Governors, I made an exhaustive search for suitable premises, and inspected a large number of buildings which were mentioned to me by house agents and others. The only premises which appeared to be well suited for the purpose, were the Aldboro' Barracks, in Lower Gloucester-street. I have reason to believe that under the new scheme of barrack reorganisation these barracks will, in all probability, be abandoned next year. These premises are close to the Marlboro'-street schools, which would afford an admirable feeder for evening technical classes, are close to the Amiens-street Railway Station, close to Artisans' Dwellings, and in the centre of a large working population. The buildings were formerly used as a school, and would be admirably suited for our purposes. I would suggest that a communication be made to the Government upon the subject, and that they should be asked to grant the premises free from rent.

“With regard to the cost of this proposed scheme for the extension of technical instruction in the city, I shall for the present leave out of consideration the east end and Ringsend schools. It will be time enough to consider these when the Pembroke Township shall have taken the initiative and when the schools at the north side shall have filled. As regards the schools at the north side, I have gone into the question of expense very carefully, and I find that the cost of maintenance at the outset would be approximately £800. To meet this expenditure we should have fees from pupils, say £200, results' fees, say £100, subscriptions, say £100, balance £400. This would leave a balance of £400 to be provided from some other source, and as I understand that there is a balance still available under the Libraries Acts of £450, I do not think that the Corporation could apply the rates more advantageously than by establishing an additional Technical School on the north side.

“ARNOLD GRAVES, *Hon Sec.*

“City of Dublin Technical Schools.

“30th Sept., 1890.”



After a careful consideration of the Secretary's Report we are of opinion that it would be desirable to establish a Technical School on the north side of the city, and we recommend the Corporation to provide the necessary funds, and to take all necessary steps to carry this proposal into effect.

### *Finance.*

The balance-sheet of the Technical Department will be found appended, and shows a balance to credit of £127 6s. 5d. Our income for the Session will be sufficient to maintain the Classes we have already opened, but will not suffice to enable us to open additional Classes here or in other parts of the city.

A balance-sheet showing the receipts and expenditure for the Science and Art Classes was published in the Report of the Public Libraries Committee.

### *Subscriptions.*

We have much pleasure in returning thanks to the Royal Dublin Society for their annual subscription of £50, which entitles them to nominate a governor on our Board, and to our other subscribers. We beg again to call attention to the fact that the maintenance of the Trades Classes depends entirely upon public subscriptions. We, therefore, confidently call upon employers of labour and the general public to help us, by giving donations of money or plant, by subscribing, and by every means within their power.

The following gentlemen acted as a Finance Committee for past Session :—Alderman Kernan, Councillor Shanks, Councillor Robert Sexton, Mr. Henry Wigham, Mr.

John Mulligan, Mr. Christopher Beakey, Mr. Arnold Graves, Hon. Sec., and Mr. W. R. Maguire, Hon. Treas.

We beg to record our thanks to these gentlemen for the assistance which they have given us in the discharge of our duties.

The Governors elected by the Subscribers retire in accordance with the regulations, and offer themselves for re-election.

## PRIZES.

---

Prizes to the value of 10/- and 5/- will be awarded in each of the Science, Art, and Trade Classes, provided sufficient merit is shown.

In awarding the Prizes the Governors will take into consideration marks gained for regularity and punctuality of attendance, home work, and at the May Examinations.

These Prizes will not be competitive, but will be awarded to every Student gaining the required percentage of marks.

The minimum number of marks required for Prizes is as follows:—

For a First Prize,	...	80 per cent.	of the marks attainable.
For a Second Prize,	...	60	„ „

The total marks attainable, 1,000, to be made up as follows:—

Attendance,	...	...	...	...	...	500
Home Work,	...	...	...	...	...	200
Certificate at Science and Art Department Examinations,						
*First-class, <i>when such a success has not been previously</i>						
<i>attained</i>	...	...	...	...	...	300
						1,000

In subjects in which no Examinations are held by the Science and Art Department, Special Class Examinations will be held.

The 500 marks for attendance will be credited to every Student joining the Class *at its commencement*, and 25 marks will be deducted for each non-attendance.

*Other prizes may afterwards be announced.*

---

\* A Second-class Certificate is equivalent to 200 marks.

## APPENDIX A.

## SUCSESSES OBTAINED AT THE MAY EXAMINATIONS, 1890.

Science and Art Department.

## PRACTICAL PLANE AND SOLID GEOMETRY.

## ELEMENTARY STAGE.

*First Class*—Thomas Byrne, Thomas Donegan, William H. Thompson, Thomas J. Welsh.

*Second Class*—Thomas Hanrahan, James Larkin, Richard sharpe.

*Pass (Sect. 1)*—John Lambert, Mary Jane Rock.

## MACHINE CONSTRUCTION AND DRAWING.

## ADVANCED.

*Second Class*—Alphonsus O'Farrell.

## ELEMENTARY STAGE.

*First Class*—John E. Batey, John J. Buckley, Percy Richards.

*Second Class*—Thomas Byrne, Francis Moulang, Richard Sharpe.

## BUILDING CONSTRUCTION AND DRAWING.

## ELEMENTARY STAGE.

*First Class*—John Larkin.

*Second Class*—Edward J. Lynch, Thomas F. Sharpe.

## MATHEMATICS.

## FIRST STAGE.

*First Class*—Michael Kelly, Nicholas J. M. Walter.

*Second Class*—Henry Jamieson, John J. Keating, Mary Jane Rock.

## THEORETICAL MECHANICS

## ELEMENTARY STAGE.

*Second Class*—Owen Boland, William Taylor.

## APPLIED MECHANICS

## ADVANCED STAGE.

*Second Class*—Thomas J. Welsh.

## ELEMENTARY STAGE.

*First Class*—Thomas Byrne, Alphonsus O'Farrell, Wm. Taylor, William H. Thompson.

*Second Class*—John E. Batey, Owen Boland, James Larkin, Francis Moulang, Percy Richards.

## SOUND, LIGHT, AND HEAT.

## ELEMENTARY STAGE.

*First Class*—Jonathan W. Greville, James J. Hazlett, Thomas O'Dea.

*Second Class*—Murray Thomson.

## ELECTRICITY AND MAGNETISM.

## ADVANCED STAGE.

*First Class*—Jonathan W. Greville.

*Second Class*—Charles J. Youngs.

## ELEMENTARY STAGE.

*First Class*—John J. Bolger, James J. Keating, Michael Kelly, Thomas Rynhart, John Yule.

*Second Class*—Robert Dawson, William Young.

## INORGANIC CHEMISTRY—THEORETICAL.

## ADVANCED STAGE.

*Second Class*—James C. M'Walter.

## ELEMENTARY STAGE.

*First Class*—George B. Graham, Patrick C. Quigley.

*Second Class*—Frederick S. Ganter, William J. Lloyd, Patrick Quinn, Thomas J. Rudd, John W. Wilton.

## INORGANIC CHEMISTRY—PRACTICAL.

## ELEMENTARY STAGE.

*First Class*—James C. M'Walter, W. H. Wilkinson.

*Second Class*—Frederick S. Ganter, Thomas H. Nally, John J. Nolan, John W. Wilton.

## STEAM.

## ELEMENTARY STAGE.

*Second Class*—Owen Boland, Nicholas J. M'Walter, Wm. Taylor.

## ART—SECOND GRADE.

## FREEHAND DRAWING.

*First Class*—John Ward.

*Second Class*—Robert Anderson, Michael Dunne, Michael Fennell, Marcella Keegan, Denis Lahiff, George M'Asey, Joseph M'Cormack, Arthur J. Napper, Joseph Walsh.

## City and Guilds of London Technological Examinations.

## CARPENTRY AND JOINERY.

## ORDINARY GRADE.

*Second Class*—Michael Culligan.

## PHOTOGRAPHY.

## ORDINARY GRADE.

*First Class*—Peter J. M. Kieran.

## BOOT AND SHOE MANUFACTURE.

## ORDINARY GRADE.

*First Class*—John J. Wheatley.

*Second Class*—John Campbell, Edward Leonard.

## PLUMBERS' WORK (PRINCIPLES OF).

## ORDINARY GRADE.

*Second Class*—Joseph Delahunty, Michael Fennell.

## School Examinations.

---

### TAILORS' CUTTING.

*Second Prizes*—Mathew Brady, James Byrne, James Henderson.

### BUILDING SURVEYING.

#### SENIOR CLASS.

*First Prizes*—J. G. Clayton, Edward Lynch, Kevin Toole.

#### JUNIOR CLASS.

*First Prizes*—Michael Cullen, W. J. Gibson.

*Second Prizes*—Peter Mackay.

### SHORTHAND.

#### SENIOR CLASS.

*First Prizes*—William Brierly, George Clark.

#### JUNIOR CLASS.

*Second Prizes*—Thomas Kelly.

### COOKERY.

#### HIGH-CLASS COOKERY.

*Second-Class Certificate*—Frances Bullan.

#### PLAIN COOKERY.

*First Prizes*—Sarah Reid.

*Second Prizes*—Mary Dorney, Ellen S. Sharman.

### DRESSMAKING.

*First Prizes*—Agnes Courtney, Sarah Jane Stephens.

*Second Prizes*—Anne Hollingshead, Marcella Meehan, Martha Sloan

