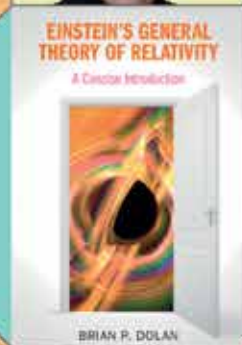
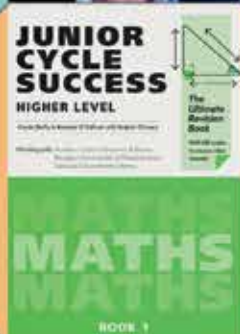
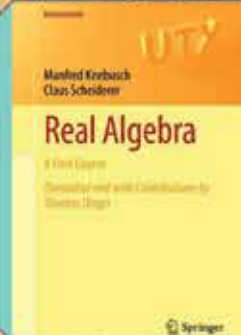
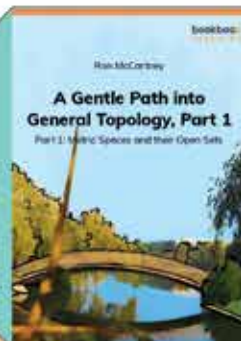
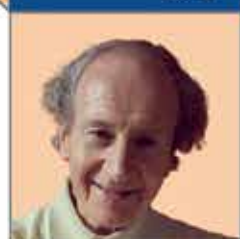
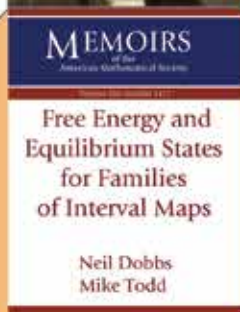
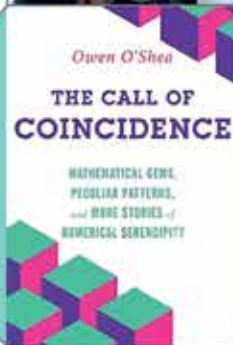


20 24 Irish Mathematics Calendar





Mathematical physicist **Sheila Power** (later Tinney, 1918-2010) was born 15 January in Galway city, and was educated at UCD and the University of Edinburgh. She was the first woman graduate of an Irish university to get a doctorate in the mathematical sciences. She was also one of the first three scholars at the then new Dublin Institute of Advanced Studies (DIAS), and she taught at UCD for decades.

Mathematician and physicist **John Leebody** (1840-1927) was born in January in Ballinderry, Antrim, and was educated at Queen's Belfast. His long career was spent at Magee College in Derry, where he rose to the rank of president.



Chris King (1959-2023) was born 11 January in Dublin and was educated in maths and physics at TCD and Harvard. After several years each at Princeton and Cornell, he settles at Northeastern in Boston. His interests started in theoretical physics and in time extended to probability and stability theory, and application areas such as computer networking, smart cities, and the study of distributed ledgers.



Theoretical physicist **Mauro Paternostro** was born 5 January in Palermo, Italy. He was educated at the university there and at QUB, and has been on the staff at the latter ever since. His interests include quantum communication, quantum thermodynamics, and the foundations of quantum mechanics. He has supervised over 20 PhD students.



Anna Patterson (1887-1966) was born 27 January in Cookstown, Tyrone, and was educated at Victoria College and Queen's, Belfast. Her long career was spent teaching, including in Lancashire, England.

Margaret Kennedy (1894-1978) was born 22 January in Pleasurestep, Ballymoney, Antrim, and grew up in Portstewart, Londonderry. She was educated at QUB, and her career was spent teaching. She taught in Bombay, New Delhi (1919-1929), and Montreal (1930-1932), before returning to Coleraine. She later taught in Portballintra, Antrim, and in Belfast.



January

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
NEW YEAR'S DAY 1 Robert Sheehy	2 Bill Wann (1925-2011) Walter Heitler (1904-1981) Irish mathematics Teachers Association founded, 1964	3	4	5 Mauro Paternostro John Cosgrave	6 Brendan O'Shea Edith Stoney (1869-1938)	7
8 Peter McCullough Ray Flannery (1941-2013)	9 Kevin McGerty Sergey Cherkis	10 Dermot Mullan BTYSTE	11 Chris King (1959-2023) Charlie Daly (1929-2000) BTYSTE	12 Brian McMaster Agnes Scott (1879-1975) BTYSTE	13 Ken Houston David Simms (1933-2018) BTYSTE	14
15 Sheila Power (1918-2010)	16 Jerry Murphy Annette Pilkington Colm O'Muircheartaigh Sean Tobin (1930-2023)	17 Richard Walsh (1913-1994)	18 Alfred Robb (1873-1936) William Houston (1871-1953)	19	20 Colin Turner John McCarthy William Bindon Blood (1817-1894) Robert Boyle Winter School RDS	21
22 Brendan Goldsmith Barbara Yates (1919-1998) Margaret Kennedy (1894-1978)	23 Niamh O'Meara Aaron Golden IMTA Junior Maths	24 IMTA Junior Maths	25 Gerry McGreevy (1929-2015) Robert Boyle (1627-1691) IMTA Junior Maths	26 Neil B. Dobbs Fren Mtenzi Eric Lindsay (1907-1974) John Hooper (1878-1930) IMTA Junior Maths	27 Anna Patterson (1887-1966)	28 Louis Aslett Paul McNicholas Des MacHale Harry Kennedy (1887-1968)
29 Andrew Whitaker	30 Coulter McDowell (1932-1993)	31 David Hobbs				



Mary de Lellis Gough (*née* Margaret Gough, 1892-1983) was born 15 February in Kilmore, Wexford, and emigrated to the USA in 1909. She taught at Incarnate Word College in San Antonio, Texas, in between accumulating maths degrees from Catholic University in Washington (DC). Her PhD in algebra in 1931 makes her the earliest known born and bred Irish woman to get a doctorate in maths.

Theoretical physicist **Paddy Dolan** (1935-2020) was born 18 February in Dublin, and was educated at UCD and at Royal Holloway. His entire career was spent at Imperial College, where he supervised numerous doctoral students. His research was in general relativity, in particular Lanczos potentials for the Weyl tensor in 4 dimensions.



Actuary **Shane Whelan** was born 25 February in Dublin, and was educated at UCD and at Herriot-Watt in Edinburgh. After a decade working in the financial sector, he joined the staff at UCC. He is the author of the recent book *Mortality and Longevity in Ireland*.



Martin Muldoon (1939-2019) was born 28 February in Westport, Mayo, and was educated at UCG and the Univ of Alberta. His career was spent at York in Toronto. He was a classical analyst who studied monotonicity questions associated with special functions, ordinary differential equations, functional equations and approximation theory.



Constance Crommelin (later **Masefield**, 1867-1960) was born 6 February in Cushendun, Antrim, and was educated at Newnham College. She taught and lectured in Brighton and London. She married a future poet laureate in 1903.

Agnes Clerke (1842-1907) was born 10 February in Skibbereen, Cork. She was educated privately, studying mathematics, physics and astronomy at the third level in Dublin, and later in Italy. Settling in London, she published extensively, wrote numerous popular and well-regarded books on the history of astronomy, and contributed to the *Encyclopaedia Britannica* on both astronomy and mathematics.



February

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
			1	2	3	4
				Gearóid Granville (1915-2000) Cornelius Lanczos (1893-1974)		Dara Ó Briain Terry Maguire
BANK HOLIDAY (RoI) 5	6	7	8	9	10	11
Fiona Boland Stephen O'Brien (1918-1992) Stanley Traynor (1916-1994) Bartholemew Lloyd (1772-1837) André Darré (1750-1833)	Constance Crommelin Dan Dundas		Stephen Buckley Francis Edgeworth (1845-1926)	Mick Mortell Charles Rowe (1893-1943)	Agnes Clerke (1842-1907)	Elizabeth Oldham Vincent Hart
12	13	14	15	16	17	18
Seán Dineen John O'Sullivan (1948-2006) Kay McNulty (1921-2006)		John Perry (1850-1920)	Ray Ryan Mary de Lellis (1882-1983) Sophie Wilcock Bryant (1850-1922) George Stoney (1826-1911) NI Science Festival	Petros Florides (1937-2023) NI Science Festival	Fintan Gallagher William Morton (1868-1949) NI Science Festival	Paddy Dolan (1935-2020) Arthur Kingston NI Science Festival
19	20	21	22	23	24	25
Thérèse Dooley NI Science Festival	Stephen Scully Joseph Varilly John Connolly NI Science Festival	Donal O'Regan David Lewis (1944-2021) NI Science Festival	Maeve McCarthy NI Science Festival	IMTA 60th Dinner NI Science Festival	John O'Donoghue Siobhán O'Shea (1932-2002) Gordon Foster (1921-2010) IMTA Conference MU NI Science Festival	Norma Bargary Shane Whelan Jim McConnell (1915-1999) NI Science Festival
26	27	28	29			
Arthur Donnelly (1885-1973)	John A. Ryan IMTA Junior Maths	Martin Muldoon (1939-2019) William Thrift (1870-1924)				



Thomas Kirkman (1806-1895) was born 31 March, in Bolton, Lancashire, England, and was educated at TCD. His career in the church was complemented by mathematical research, and his legacy included seminal work on Steiner triples, hypercomplex numbers, and knot enumeration. He is best remembered for Kirkman's Schoolgirl Problem.

Pádraig MacCarron was born 14 March in Bandon, Cork, and was educated at first in astrophysics at UCC. He then studied complex networks and social systems at Coventry. After stints at Oxford and Maynooth, he is now at the University of Limerick. He co-edited (with his doctoral advisor Ralph Kenna) the book *Maths Meets Myths: Quantitative Approaches to Ancient Narratives*.



Val Rice (1935-2006) was born 8 March in Abbeydorney, Kerry, and was educated at first at UCG and Maynooth. He continued his studies at UCC and Harvard, before serving 4 decades as professor of education at TCD. Under his leadership, the two-year full-time course MEd was introduced there, with the second year devoted to writing a dissertation.



John P. McDermott was born 22 March in Salthill, Galway, and was educated at UCG and Oxford. His career started at Newcastle, following which he spent over 30 years back at UCG. His main interest has been in permutation groups (both finite and infinite) and associated aspects of combinatorics. His son John (see July) is also an algebraist.



Astrophysicist **Susan McKenna-Lawlor** was born 3 March in Dublin and was educated entirely at UCD. Her career started at the DIAS, following which she settled at Maynooth. In the 1980s, she founded Space Technology Ireland Ltd, which manufactures instruments for space travel. She authored the book *Whatever Shines Should be Observed* and co-authored *Essential Spaceflight Dynamics and Magnetospherics*.

Mary Boole (*née* Everest, 1832-1916) was born 11 March in Wickwar, Gloucestershire, England. Her private education included plenty of mathematics. She married George Boole, who was the first professor of maths at Queen's College, Cork, and helped him assemble some of his landmark books (their daughter Alice also contributed to mathematics). She authored *Logic Taught By Love*, *Lectures on the Logic of Arithmetic*, and *Philosophy and Fun of Algebra*.



March

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1	2 Mairéad Greene Nora Ni Chuiv Gerry Gardner (1926-2009) ISTA Conference SETU Engineers Week	3 Susan McKenna-Lawlor Engineers Week
4 World Engineering Day for Sustainable Development Engineers Week	5 Iggy Ó Muircheartaigh George Hall (1925-2018) Engineers Week	6 James McNeill (1853-1907) Engineers Week	7 Engineers Week	8 Val Rice Engineers Week	9 John Forde (1918-2004) Robert Graves (1810-1893) Maths Resilience MIC Thurles Engineers Week	10 Eugene Gath
11 Lochlainn O’Raifeartaigh (1933-2000) Mary Everest Boole (1832-1916)	12 George Berkeley (1685-1753)	13 Cyril Delaney (1925-2012)	14 Pádraig MacCarron Mike Fitzpatrick Tadhg Carey (1919-1995) IMTA Pi Quiz International Day of Mathematics (Pi Day)	15 Aisling McCluskey Mark Leeney Marie Reilly John Faris (1913-2011)	16 Aoibhinn Ni Shúilleabháin Michael Clancy	17 ST. PATRICK’S DAY Götz Pfeiffer Michael P. Tuite Paddy Heelan (1926-2015)
18 Bill Stephens (1913-2001)	19 Henry Atkins (1896-1957) Henry Hennessy (1826-1901)	20 SPRING EQUINOX Peter Gallagher Jane Molyneux (1887-1920)	21 Neil Hallinan Werner Nahm Michael J. Walsh Pat Norris	22 John P. McDermott Diarmuid Ó Mathúna	23 John L. Synge (1897-1995) Cyril Power (1890-1970)	24 William Anderson (1867-1950)
25 Dermot McLain (1932-2004) David Spearman	26 Cormac O’Raifeartaigh Mary Hanley Edward Bromhead (1789-1855) Hugh Hamilton (1729-1805)	27 Ronan Flatley Eva Wills (1925-1995) Eithne Donnelly (1900-1989)	28 John Kennedy (1939-1995)	29 GOOD FRIDAY	30 Micheál Mac an Airchinnigh	31 EASTER SUNDAY Thomas Kirkman Paul Feehan Donal J. Hurley



Astronomer **Thomas Robinson** (1792-1882) was born 23 April in Dublin and was educated at TCD, where he then taught physics and authored the book *A System of Mechanics*. He subsequently spent 6 decades at the Armagh Observatory, his many accomplishments including the invention of the 4-cup anemometer.

Bill Keating was born 5 April in Crosshaven, Cork, and was educated at UCC. His entire career was spent in the Central Statistics Office, where he ended up focusing on economic statistics. He also served as president of the Statistical and Social Inquiry Society of Ireland.



Peter Mulligan was born 22 April in Ballinalee, Longford, and was educated at Maynooth and DCU. He is on the staff at Maynooth, where his research interests and publications are in the area of mathematics and statistics support.

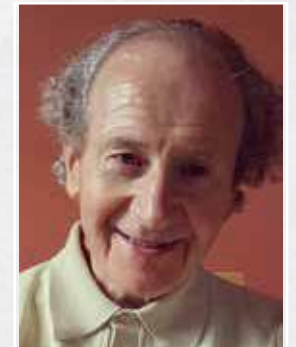


Physician and mathematician **Whitley Stokes** (1763-1845) was born in April in either Dublin or Waterford town (he was baptised in Dublin that May). He was educated at TCD, and also studied medicine in Edinburgh. At TCD, he was Donegall Lecturer of Maths and then King's Professor of the Practice of Medicine, and Regius Prof of Physic, also serving as chair of medicine at RCSI. He was a friend of Wolfe Tone, and in 1814 he funded an English-Irish dictionary.



Rex Monaghan (1921-2003) was born 21 April in Dublin and was educated at TCD. The first half of his career was spent at the Royal Aircraft Establishment in Farnborough, Hampshire, England, where he headed up the team investigating hypersonic flow, and authored *Formulae and Approximations for Aerodynamic Heating Rates in High Speed Flight*. He then worked for the RAF and became deputy chief scientist there.

Ron McCartney was born 24 April in Belfast, Antrim, and grew up in Lisburn. He was educated at QUB and Exeter. His career included stints at Glasgow, Coleraine, and The Open University (1984-2007). He later taught at the Forman Christian College in Lahore, Pakistan. He published the book *A Gentle Path into General Topology* in 2022. His wife is also a mathematician (see May).



April

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
EASTER MONDAY 1	2	3 Jill Tysse Eugene Curtin Brian Murdoch (1930-2020) Richard Townsend (1821-1884) Dionysius Lardner (1793-1859)	4	5 Bill Keating Roger North (1816-1895)	6 Peter McNamara	7 Sean Lacey
8 Olga O'Mahony Tom Linehan (1926-2017) Andrew Graham (1815-1908)	9 Ludvik Bass (1931-2022)	10	11 R.C. Geary (1896-1983) Lukasiwicz Lecture TCD	12	13 Lizzie Boyd (1897-1988)	14 Eoin Long Anne Russell Maunder (1868-1947)
15 David Malone John T. Lewis (1932-2004) Janet Nichols (1894-1978)	16 Eamonn Tierney (1918-2004)	17 Mark McCartney William Molyneux (1656-1698)	18 George Keating (1902-1973)	19 James Gleeson Hugh Alexander (1909-1974) James Cullen (1867-1933) John MacFarland (1851-1935)	20 Phil Boland	21 Rex Monaghan Peter Hogan William Monck (1839-1915)
22 Peter Mulligan James McMahon (1856-1922)	23 Rachel Sullivan (1913-1996) Thomas Robinson (1792-1882)	24 Norma Glasgo Reid Ron McCartney	25 Dermott McCrea (1934-1993)	26 Kevin Hutchinson Bobbie Elliot (1924-2006) Richard Beatty (1882-1941)	27	28 John Toland
29 Cormac Smith (1926-2009)	30 Sally McClean					



Marjorie Paterson-Smyth (later Wilson, 1889-1975) was born 13 May in Dublin and grew up there. She was educated at McGill in Montreal, Canada. She then married physicist Harold Wilson and moved to Houston, Texas, where he worked at Rice. In 1913, the couple did an experiment relating to Einstein's theory of special relativity. Their son John worked on the Manhattan project.

Applied mathematician **Giuseppe Zurlo** was born 6 May in Ostuni, in the heel of Italy, and was educated at Bari nearby, and later at Pisa. After some postdocs he settled at the University of Galway. His research is on the modelling of material behavior at the intersection in continuum mechanics, nonlinear elasticity, biology and electromagnetism, specifically developing a mechanical theory for 3D printing of biological materials.



Hugh Morrison was born 9 May in Derry city, and was educated at QUB. His early research on atomic collisions was followed by teaching at the Belfast Royal Academy, and then several decades on the education staff at QUB. His current research draws on the ideas of Bohr, Wittgenstein and Turing to refute the notion that recently developed LLMs such as ChatGPT have, at long last, passed the Turing test.



Ronan Egan was born 11 May in Ferbane, Offaly, and was educated entirely at NUIG. After postdocs in Croatia and back at NUIG, he is now at DCU. His interests are in discrete mathematics, combinatorics, algebra and applications of these to coding theory, and design theory.



Hilary Boyle (later McCartney) was born 20 May in Lisburn, Antrim, and was educated at first at Girton College and Glasgow. She lectured at Coleraine, later doing her doctorate there. She later taught at the Forman Christian College in Lahore, Pakistan. Her husband is also a mathematician (see April).

Thomas Unger was born in May in Belgium. He was educated at Ghent and then at UCD, where he has spent his career. His research interests include quadratic and hermitian forms, algebras with involution, noncommutative real algebra and geometry, and space-time block codes. He has translated (from German two) books by Manfred Knebusch.



May

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
		1	2	3	4	5
			William McFadden Orr (1866-1934)	Laura Cooke Brendan J. Murphy Society of Actuaries in Ireland founded (1972)	Johnny Burns	Robin Harte Cathleen Morawetz (1923-2017) Mervyn Ellison (1909 - 1963) John Leathem (1871-1923) W.R.W. Roberts (1850-1935)
BANK HOLIDAY 6	7	8	9	10	11	12
Dana Mackey PJ Cregg		Trevor West (1938-2012) Thomas Strain (1878-1949) Robert Genese (1848-1928)	Turlough Downes Hugh Morrison Robert Boyle Summer School	ICEDIM Women in Mathematics Day Robert Boyle Summer School	Ronan Egan George Harry Hitching Martin Mathieu Alfred Williams (1899-1976) Robert Boyle Summer School	Finbarr Holland Fran Barry (1939-2008) Alexander Anderson (1858-1934) John Casey (1820-1891) Robert Boyle Summer School
13	14	15	16	17	18	19
Leo Creedon Marjorie Paterson-Smyth (1889-1975) Arthur Panton (1843-1906)		Alice Everett (1865-1949)	Jack Todd (1911-2007) Groups in Galway	Shane Dowdall J.R. (Dick) Timoney (1909-1985) Groups in Galway	Mike McElroy	Brian Dolan Brendan Scaife
20	21	22	23	24	25	26
John Gough Hilary Boyle	Owen O'Shea Trevor Weekes (1940-2014)	Stan Broderick (1893-1962) A.C. Dixon (1865-1936) International Day for Biological Diversity	Adrian Dunne James Caldwell Thomas Preston (1860-1900)		Gar de Barra	Helen Purtil
SPRING BANK HOLIDAY (NI) 27	28	29	30	31		
Tadhg Creedon John Campbell (1862-1924)		Tony O'Farrell Seoirse Mac Niocaill (1881-1968) George Minchin (1845-1914)	Mary Brück (1925-2008)			



Galatia Cleanthous was born 1 June in Kato Pyrgos, Cyprus, and was educated entirely at the University of Thessaloniki in Greece. After brief stints at Newcastle and TCD, she settled at Maynooth. Her expertise is in geometric analysis, geometric function theory, and harmonic analysis. She is also interested in environmental statistics.

Julie Crowley was born 1 June in Cloghroe, Blarney, Cork, and was educated entirely at UCC. Her whole career has been spent at CIT (now MTU). She does a lot of work in the Academic Learning Centre there, running maths drop in sessions that are attended by students across all disciplines and levels.



William McClelland (1859-1928) was born 4 June in Loughgall, north of Armagh town, and was educated at TCD. He served as headmaster at schools in Santry and in Portarlinton, and for 24 years at the Grammar School in Clonmel. He wrote books, both on spherical trigonometry and on geometry. He contributed maths to the *Educational Times*.



Engineer **Thomas McLaughlin** (1896-1971) was born 14 June in Drogheda, Louth, and grew up there and in Down and Dublin. He was educated in both maths and physics at UCD and in engineering at UCG. Having spent time with Siemens in Germany, the bulk of his career was at the ESB. He played a major role in the development of hydroelectric power for the fledgling state.



Muriel Wales (1913-2009) was born Muriel Kennett on 9 June in Belfast. She grew up in Vancouver, Canada, and was educated at the University of British Columbia and the University of Toronto. Her 1941 PhD in algebra is notable for the era. She spent most of the 1940s working in atomic energy, in Toronto and Montreal.

Statistician **Shirin Moghaddam** was born 19 June in Ahvaz, Iran, and was educated at the universities of Tehran and Galway. After a few years at UCD and UCC, she settled at the University of Limerick. Her interests include survival analysis, Bayesian modelling and machine learning as applied to cancer research.



June

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
					1	2
					Galatia Cleanthous Julie Crowley Edmund Robertson Helen Megaw (1907-2002)	Alexei Pokrovskii (1948-2010) Ralph Henstock (1923-2007) William Coates (1857-1912)
BANK HOLIDAY (RoI) 3	4	5	6	7	8	9
Murrough Golden Jim Callagy (1908-1988)	William McClelland Miguel Bustamante Rod Gow Donal McCarthy (1908-1980)	Joan Cleary Jim Hanley Margaret White (1909-1975) Agnes (Molly) Perry (1882-1963)		Maeve Maguire John S. Townsend (1868-1957)	Romina Garburro Frank Fahy (1922-2005) George Hughes (1918-1994) Alicia Boole Stott (1860-1940) Cork Carnival of Science	Muriel Wales (1913-2009) Cork Carnival of Science
10	11	12	13	14	15	16
Liam O'Carroll (1945-2017) Jack Semple (1904-1985)	Mathematical Neuroscience Conf UCD	Margaret McDonald (1906-1989) Mathematical Neuroscience Conf UCD	William Gosset (1876-1937) SMEC Conf DCU Mathematical Neuroscience Conf UCD	Sarah Mitchell Thomas McLaughlin (1896-1971) SMEC Conf DCU Mathematical Neuroscience Conf UCD		
17	18	19	SUMMER SOLSTICE 20	21	22	23
Terence Gorman (1923-2003)	Dublin Institute for Advanced Studies Act signed, 1940	Shirin Moghaddam Peter Lynch Maurice Jaswon (1922-2011)	Dave Cochran (1940-2013)	Fiacre Ó Cairbre Jim Boyd	Cora Stack Luke Drury	
24	25	26	27	28	29	30
Derek Crothers James J. Smith (1892-1983)	Susan Lazarus Samuel Verblunsky (1906-1996)	John J. Roche Victor Meally (1911-1986) William Thomson (1824-1907)	Charles Joly (1864-1906) Morgan Crofton (1826-1915)		Phelim Boyle	



Mathematical physicist **John Stewart Bell** (1928-1990) was born 28 July in Belfast, and was educated at QUB and the University of Birmingham. He spent his career at Harwell/Malvern and then at CERN, and is known for a ‘no-go theorem’ named after him. The 2022 Nobel prize in physics was awarded for experimental verification of this result.

John J. McDermott was born 2 July in Galway city, and was educated at NUI Galway and Bath. His career so far has been at St Andrews and Dundee in Scotland. His earlier focus on computational group theory has given way to research on maths ed in secondary and higher ed settings, with particular emphasis on digital aspects of teaching, learning, and assessment. His father John P. is also a mathematician (see March).



Theoretical physicist **Jan Manschot** was born in July near Leiden, Holland, and was educated at Delft and Amsterdam. After some postdocs, and positions at Bonn and Lyon, he settled at TCD. His interests include the dynamics of non-perturbative objects of gauge, gravity and string theories. He has supervised 3 PhDs.



Merrilyn Goos was born 9 July in Ipswich, near Brisbane, Australia. Most of her education and work was at the nearby University of Queensland. She recently spent 4 very productive years heading up EPI*STEM at the University of Limerick. While based there, she supervised 10 theses in maths education, half of them at the PhD level, and was involved in the professional development of “out of field” mathematics teachers through the diploma course at UL. She is now back in Queensland, at the University of Sunshine Coast.



Brendan O'Sullivan was born 20 July in Kenmare, Kerry, and was educated at first at UCC, and later at DCU. He has taught at various secondary schools in Kerry and Cork over the years, most recently in Mallow. He has served as chairperson of the IMTA. He co-authored two recent revision books on Junior Cycle mathematics.

Jerry Buckley was born 10 July in Berrings, Cork, and was educated at UCC, Cambridge and Barcelona. After postdocs in Tel Aviv, London, and Madrid, he settled at Kings College London. His interests include holomorphic functions, Gaussian processes, and nodal sets of Laplace eigenfunctions.



July

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1 Robert Ball (1840-1913)	2 John J. McDermott Diarmuid Ó Sé Ross Geoghegan	3 John Kinsella Olivia Bree Desmond McConnell	4 Edgar Harper (1880-1916)	5 Arthur Lai Fook (1919-2013)	6	7 J.P. McCarthy John Kells Ingram (1823-1907)
8 David Wilkins	9 Ciarán Mac an Bhaird Merrilyn Goos	10 Jerry Buckley Cecily Nevill (1921-2002) IMO Bath	11 Lawrence Crane (1931-2021) Joseph Larmor (1857-1942) IMO Bath	12 BATTLE OF THE BOYNE (NI) IMO Bath	13 IMO Bath	14 Ivan Todorov IMO Bath
15 Don McAllister Jocelyn Bell Burnell IMO Bath	16 Marjorie Long (1886-1937) IMO Bath	17 Richard M. Timoney (1953-2019) William Davison (1937-2013) IMO Bath	18 IMO Bath	19 Christine Horn IMO Bath	20 Brendan O'Sullivan Liam O'Callaghan (1946-2022) Paddy Kennedy (1929-1966) IMO Bath	21 Myrto Manolaki Áine Ni Shé IMO Bath
22 Adrian Raflery Eugene Benilov George Kelly (1927-2009) IMO Bath	23 Doireann O'Kiely Helen Joyce	24	25 Mark Daly Rachel Quinlan John G. Byrne (1933-2016) Daniel J. O'Connell (1896-1982) Robert Goodbody (1850-1911)	26 Richard Watson	27 Michael Murtagh (1943-2001) Richard Ingram (1916-1967)	28 Rabia Naqvi John S. Bell (1928-1990) Eleanor Nevill (1917-1999) Carew Meredith (1904-1976) Thomas Collier (1858-1934)
29 Sinéad Breen Sean Close Deciee McCartan	30 Sara McMurry Martin J. Newell (1910-1985)	31 Oren Kolman (1959-2015) Michael Jamieson Killian Rohan (1916-1999) Oliver Byrne (1810-1880)				



Theoretical physicist **Barry Wardell** was born 31 August in Dublin, and was educated entirely at UCD, where he has spent most of his career. His interests include gravitational waves such as black holes and cosmic strings, from both numerical and analytical perspectives.

Statistician **Andrew Parnell** was born 19 August in Watford, Hertfordshire, England, and was educated at Canterbury and Sheffield. After several years at TCD and then UCD he moved to Maynooth, where currently heads up the Hamilton Institute. His interests are in Bayesian hierarchical models and their application in climatology, medicine, education, archaeology, and manufacturing. He has supervised over a dozen PhDs.



William R. Hamilton (1805-1865) was born 4 August in Dublin, and was educated and spent most of his career at TCD. Unquestionably Ireland's greatest mathematical scientist ever, his extensive legacy includes innovations in algebra, mechanics and optics. He created quaternions, a non-commutative algebraic system predating matrices.

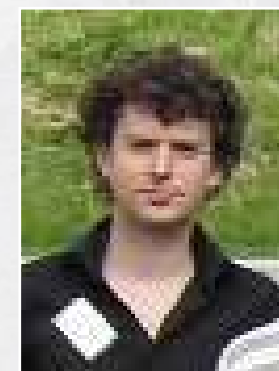


Winifred O'Hagan (*aka* Sister Peter, 1903-1963) was born 28 August in Ballymena, Antrim, and was educated at UCD. She became a Dominican nun, and taught for many years in Belfast.



Theoretical physicist **Ralph Kenna** (1964-2023) was born 27 August on the Roscommon side of Athlone, and was educated at TCD and in Graz, Austria. After several years each at Liverpool and TCD, he settled at Coventry. His interests included phase transitions in statistical mechanics and critical phenomena, as well as digital humanities and sociophysics. He has supervised 8 PhD students and co-authored the book *Maths Meets Myths: Quantitative Approaches to Ancient Narratives*.

Ré Ó Buachalla was born 23 August in Clonakilty, Cork, and was educated at UCC and at Queen Mary in London. His career so far has included stints in Warsaw and Brussels, he is currently at the University of Karlovy in Prague. His interests are in the interaction of quantum groups and non-commutative geometry.



August

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
			1	2	3	4
				Pauline Mellon Michael A. Hayes (1935-2017) John Tyndall (1820-1893)	George Fitzgerald (1851-1901)	Lennon Ó Náraigh Francis Murnaghan (1893-1976) William Rowan Hamilton (1805-1865)
BANK HOLIDAY (RoI) 5	6	7	8	9	10	11
Joe McKenna	Liam Naughton	Derek Kitson Brendan McWilliams (1944-2007) William Monypeny (1866-1912)	Anraoi de Paor	Donal Garvey	Charlie Rogers	John Miller Lionel Lovitch William Eakin (1912-1983)
12	13	14	15	16	17	18
Michael Mackey Vincent Guerrini (1912-2000) Erwin Schrödinger (1887-1961)	George Stokes (1819-1903)			Felix Hackett (1882-1970)		
19	20	21	22	23	24	25
Michael Salter-Townshend Aoife Hennessy Andrew Parnell Madeeha Khalid		Samuel Scott (1913-1980)	Brendan Masterson Natalia Kopteva Philip Gormley (1910-1973)	Ré Ó Buachalla	John Purser (1835- 1903)	
BANK HOLIDAY (NI) 26	27	28	29	30	31	
	Ralph Kenna (1964-2023) Thomas Lyle (1860-1944) James Booth (1860-1878)	Caoimhín Ó Raghallaigh Winifred O'Hagan John Gwynn (1827-1917)	Dáibhí Ó Cróinín John Herivel (1918-2011) IMS Annual Meeting QUB	IMS Annual Meeting QUB	Barry Wardell	



Mary Mulvihill (1959-2015) was born 1 September in London, and grew up in Dublin. She was educated at TCD, in genetics and then statistics. Her pioneering publications on the history of Irish scientists and engineering were a major inspiration for the Annals of Irish Maths. There is now a journalism scholarship in her name.

Maths education expert **Siún Nic Mhuirí** was born 11 September in Strandhill, Sligo, and was educated at first at the University of Galway. She taught at the primary level for a while, and earned a PGCE the University of Exeter. Upon completing postgraduate work at St Pat's Drumcondra, she joined the staff there. Her research supports the new primary curriculum, and she leads the Maths4All project.



Freddy Holland (1909-1985) was born 4 September in Dublin, and was educated at UCD. His career was mostly spent teaching at Presentation Brothers College, Mardyke, Cork. He was a pioneer in maths reform at the secondary level in Ireland, and also lectured at UCC later in life. He authored about 10 widely used schoolbooks with Alphie Madden.



William Guthrie (1905-1978) was born 2 September, in Cowdenbeath, Fife, Scotland, and was educated at first at Edinburgh and at Cambridge. He then lectured at St Andrews, while pursuing his PhD in physics there. The rest of his career was spent at Magee College in Derry, where his interests were in astronomy; he also served as the college principal.



Orla Flynn was born 28 September in New York City and grew up there and in Lismore, Waterford. She was educated in maths physics at UCC, and then lectured at CIT for many years, rising to the rank of vice president. Along the way she earned a doctorate in education at Limerick. She became president of GMIT in 2020, and then president of ATU in 2022.

Annie McElderry (later Megaw, 1874-1968) was born 4 September in Ballymoney, Antrim, and was educated to masters level at Victoria College and Queen's, Belfast. She was principal of Rutland School in Dublin. Her daughter Helen Megaw became a distinguished crystallographer.



September

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
						1 Mary Mulvihill (1959-2015)
2 William Guthrie (1905-1978) Joseph Spelman (1932-2016) William Guthrie (1905-1978)	3 Olive McCormick (1889-1989) Maud Meyer (1862-1924)	4 Freddy Holland (1909-1985) Annie McElderry (1874-1968)	5	6	7	8
9	10 Edward Stringer (1919-1956)	11 Siún Nic Mhuiri Jack McConnell (1945-2013) Joseph Everett (1831-1904)	12 Jim Foody	13 Patricia Eaton	14 Roger Kyle (1927-1952) Eveline Tomlinson (1900-1970) Charles Niven (1845-1923)	15
16 Martin L. Newell Henry Biggs (1882-1934)	17 Caroline Brophy	18 Swift Johnson (1857-1918)	19	20 Neil O'Connell Tom Benson (1916-2020)	21 Tom Carroll	AUTUMN EQUINOX 22 Ted Hurley
23 George Huxley (1932-2022) Maths Week Scotland	24 Maths Week Scotland	25 Carl Murray George Salmon (1819-1904) Maths Week Scotland	26 Maths Week Scotland	27 Patrick d'Arcy (1725-1779) Maths Week Scotland	28 Orla Flynn George Allman (1824-1904) Maths Week Scotland	29 Anca Mustata Maths Week Scotland
30 Robert Adrain (1775-1843)						



Arthur Conway (1875-1950) was born 2 October in Wexford town, and was educated at UCD and Oxford. He spent his career at UCD, rising to the rank of president. He had a great passion for quaternions, authored one of the very first books on relativity, and co-edited two volumes of the collected papers of Hamilton.

Robert Manning (1816-1897) was born 22 October in Normandy, France, and grew up there and in Waterford town. He worked as an accountant at first, and from the 1840s on as an engineer. Despite having no formal training in either engineering or applied maths, in late life he developed a formula for the flow of water in a channel, survives to this day and is named after him.



Cognitive neuroscientist **Flavia Santos** was born 6 October in Brazil, and was educated at the Univ of Sao Paulo. After stints at Sao Paulo State University and then the University of Minho in Portugal, she moved to UCD. There she is mainly focused on numerical cognition development and factors that affect its functioning such as maths anxiety, and leads the Music and Math Cognition Lab.



Paddy Barry (1934-2021) was born 20 October in Ballynacargy, outside Mullingar, and grew up in Glenville and Mallow, Cork. He was educated at UCC and the University of London, and then spent 4 decades on the staff back at UCC. He was responsible for 3 books: *George Boole; a Miscellany*, the influential *Geometry with Trigonometry*, and *Advanced Plane Geometry*.



Robert Simpson (1907-1984) was born 19 October in Dungannon, Tyrone, and was educated at QUB and Cambridge. After teaching for a few years each at Larne Grammar School and Ballymena Academy, he became headmaster of the Omagh Academy, where he served for 34 years.

Pádraig de Brún (aka **Paddy Browne**, 1889-1960) was born 13 October in Grangemockler, Tipperary. He was educated at UCD and the Sorbonne. He spent 3 decades at St. Patrick's College, Maynooth, before becoming president of UCG. A priest and a classics and Irish scholar, as well as a mathematician, he wrote the poem "Tháinig Long ó Valparaiso" which was well known to several generations of Irish schoolchildren.



October

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	1	2	3	4	5	6
	Stefan Hutzler Alfred O'Rahilly (1884-1969)	Jerry Dwyer Arthur Conway (1875-1950)	Maurice O'Reilly	Joe Travers Mark Walsh Space Week	Martin Meere Julian Mac Airt (1938-2012) Space Week	Flavia Santos Claus Köstler Ernest Walton (1903-1995) Space Week
7	8	9	10	11	12	13
Bob McFadden (1934-2021) Space Week	Paddy Johnson T. Brendan Murphy Dane Flannery Patrick Wayman (1927-1998) Space Week		Graham Ellis Ada Lovelace Day Space Week		Maths in the City Dublin Maths Week Ireland	Ernan McMullin (1924-2011) Pádraig de Brún (1889-1960) John G. Smith (1881-1968) Munster Maths and Science Fair Maths Week Ireland
14	15	16	17	18	19	20
Eabhnat Ni Fhloinn Éamon de Valera (1882-1975) Maths Week Ireland	Anthony Small Frank Hodnett (1939-2011) Maths Week Ireland	Philip Maini Hamilton Day Maths Week Ireland	Edwin O'Shea Denis Weaire Maths Week Ireland	Phil Burke (1932-2019) Uno Opik (1926-2005) Hugh Combe (1907-1984) Robert MacFarland (1860-1922) Maths Week Ireland	Olivia Fitzmaurice Maths in the City Belfast Maths Week Ireland	Rafael Moral Paddy Barry (1930-2021) Celebration of Mind Dublin Maths Week Ireland
21	22	23	24	25	26	27
	Robert Manning (1816-1897) Robert Dixon (1812-1885)	Percy McCormack (1929-2015)	Owen McGrath Ray Bates	Brian Greer	Martin Bridgeman	
OCTOBER BANK HOLIDAY (RoI) 28	29	30	31			
Derek McNally (1934-2020)	Peter Taylor Garfield Woods (1906-1973)		Martin Stynes Tony Seda			



Harun Šiljak was born 14 November in Zenica, Bosnia and Herzegovina, and was educated in electrical engineering at the University of Sarajevo and at IBU Sarajevo. After a postdoc, he settled at TCD. His interests include control theory, complex systems, and unconventional control/computation/communication.

Applied mathematician **Cathal Cummins** was born 4 November in Dublin, and was educated at UCD and at Limerick. After a few years at the University of Edinburgh, he is now at Heriot-Watt, where his work is mostly in fluid dynamics, focusing on the interaction of fluids with solid bodies.



Maths education expert **Aibhín Bray** was born 18 November in Dublin and was educated at first at UCD. After teaching for a few years, she did postgraduate work in maths education at TCD, where she is now on the staff. Her interests include the design and validation of research instruments as well as in large-scale (quantitative and qualitative) data collection and analysis.



Hamsa Venkatakrishnan was born 21 November in Bombay, India, and grew up mostly in London. She was educated at first at University College there, following which she taught for several years. After postgraduate studies in maths education at King's College, London, she lectured at the University of Witwatersrand in Johannesburg, South Africa. She is now at DCU, where her interests are in mathematics education at the primary level, as well as design research, teaching, learning, curriculum and policy.



Bioinformatics expert **Cathal Seoighe** was born 26 November in Dublin, and was educated entirely at TCD. After a number of years in Cape Town, he settled at the University of Galway. His interests include probabilistic models of molecular evolution and cancer genomics. He has supervised numerous doctoral dissertations.

Tony Dorlas was born 24 November in Groningen in Holland, and was educated entirely at the university there. After a postdoc at DIAS, and a decade at Swansea, he returned to DIAS, where he has supervised several PhDs. He authored the book *Statistical Mechanics: Fundamentals and Model Solutions*. He works on the theory of quantum computing and also on Pirogov-Sinai theory.



November

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1	2	3
				Ted Stringer (1926-2015)	Kevin Moroney Anthony Traill (1838-1914) Henry Smith (1826-1883) George Boole (1815-1864)	Michael McGettrick
4	5	6	7	8	9	10
Cathal Cumming	John Sheekey David Jackson Alan Newell	Charles Graves (1812-1899)	John Lennox Neil O. Dobbs (1917-1963) John Fraser (1868-1950)	Bob Critchley (1948-2007) Bram Stoker (1847-1912)	Gordon Lessells Fred Klotz (1943-1988)	Amy Woods (1894-1980) Science Week (RoI)
11	12	13	14	15	16	17
Paul Grimes Jim O'Reilly (1916-1978) Charles MacGarry (1877-1936)	Gerard Murphy (1948-2006)	Helena ?migoc James Thomson (1786-1849)	Harun ?iljak		Catherine Comiskey Siddharta Sen Donal Linehan (1923-2006) Stanley Lyon (1882-1975)	
Science Week (RoI) Maths week England	Science Week (RoI) Maths week England	Science Week (RoI) Maths week England	Science Week (RoI) Maths week England	Science Week (RoI) Maths week England	Science Week (RoI) Maths week England	Science Week (RoI) Maths week England
18	19	20	21	22	23	24
Aibhín Bray David Bates (1916-1994) Barry Spain (1914-2007)	Aisling Twohill Matt McCarthy (1938-2017) A.J. McConnell (1903-1993)		Hamsa Venkatakrishnan Sean Swords (1930-2012)	Michele Destrade	James Rice	Tony Dorlas
25	26	27	28	29	30	
IAMTA (Irish Applied Maths Assocaition) formed (2006)	Cathal Seoighe David Galvin			Brendan Steen (1921-2015) Colm Barry (1906-1976) Joseph Galbraith (1818-1890)		



William Wilson (1824-1874) was born in December, in Peterborough, Northamptonshire, England, and was educated at Cambridge. He then became the first professor of maths at Queen's College, Belfast, establishing an observatory there, and soon published the book *A Treatise on Dynamics*. After 5 years, however, he decamped to Melbourne, Australia, where for 2 decades he worked as professor of maths and astronomy, before dying relatively young.

Statistician **David Madigan** was born 11 December in Athlone, Westmeath, and was educated at TCD. His career has included stints at the University of Washington (Seattle), Rutgers, and Columbia. He is currently provost at Northeastern University. His expertise includes statistical methodologies for generating reliable evidence from large-scale healthcare data. He has supervised 18 PhD students.



Maths education expert **Miriam Ryan** was born 8 December in Westmeath and was educated at first at UCD. After teaching for a while, she continued her education at TCD and Cambridge. Since then, she has been on the staff at St Pat's, Drumcondra. Her interests lie in maths education at primary level, bilingual learners of mathematics, and the initial and continuing professional development of teachers of primary mathematics.



Mathematical logician **Jan Łukasiewicz** (1878-1956) was born 21 December in Lemberg (now Lviv, Ukraine), and was educated and lectured there. His innovations include three-valued logic and the bracket-free so-called Polish notation. He spent the last decade of his life in Ireland, publishing the book *Aristotle's Syllogistic from the Standpoint of Modern Formal Logic*. In 2022, his remains were repatriated to Warsaw.



Ron Perrott was born 27 December in Portadown, Armagh, and was educated in theoretical physics at QUB. His early career was spent at the University of Wisconsin (Madison), NASA (Ames) and CERN (Geneva). He then headed up software engineering back at QUB, supervising numerous doctoral students. Since then, he has been based at Oxford. He has authored the books *Parallel Programming* and *Software for Parallel Computers*.

Robert Murphy (1806-1843) was born in December in Mallow, Cork. Despite having no early formal education, he was 3rd wrangler at Cambridge. His brief career was mostly spent there and at the University of London. He worked in algebraic equations, integral equations, and operator calculus. He authored the notable books *Elementary Principles of the Theories of Electricity, Heat, and Molecular Actions* and *A Treatise on the Theory of Algebraical Equations*.



December

2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
						1 Raymond Flood
2 Ollie Mason	3 Declan P. Quinn Chris Brennan Jim Flavin (1936-2012) John Donaghey (1878-1949)	4 John Graves (1806-1870)	5 Maura Clancy Tom Laffey	6	7 Brendan Guilfoyle Peter McPolin (1955-2020) David Tipple (1942-2022) Benno Moiseiwitsch (1927-2016) Paddy Quinlan (1919-2001)	8 Miriam Ryan Mike Carroll (1936-2016)
9	10	11 David Madigan Allan Isaac (1936-2013)	12	13 Ian Taylor Tony Wickstead James Taylor (1929-2020) Bill McCrea (1904-1999) Eoghan McKenna (1891-1967)	14	15
16 Anthony Cronin Andrew Young (1919-1992)	17 Maurice Kennedy (1924-1994) Grace Acheson Faris (1885-1973)	18 Eleanor Moss (1864-1946)	19	20 Dave Redmond W. Snow Burnside (1839-1920)	21 WINTER SOLSTICE Jan Lukasiewicz Samuel Haughton (1821-1897) First meeting of the Dublin Statistical Society (1847)	22 John Harding (1911-1985?) Nicholas Callan (1799-1864)
23	24 Jane Breen Harry Thrift (1882 - 1958)	25 CHRISTMAS DAY Sonia Balagopalan Tom Sherry Jim Muldowney (1939-2022) John Malet (1847-1901) Patrick Dineen (1840-1934)	26 ST STEPHEN'S DAY / BOXING DAY	27 David Callan Ron Perrott Rex Dark (1943-2022)	28	29 Hugh Holohan (1892-1957)
30 Claire Gormley	31 Mary McDonald (1900-1931)					

There are many notable living people for whom we cannot say what month they were born. To ensure that they are not lost to history in our annual wall calendars project, we are highlighting some of them on this bonus page of biographies.



Statistician **Adele Marshall** was born in Fermanagh and was educated entirely at the University of Ulster at UU Jordanstown. Her career has been spent at QUB, where she has supervised numerous PhDs. Her interests are in statistical modelling, advanced data analytics, data informed decision models, process mining, explainable AI, digital twins; and real time analytics, with applications to healthcare, agriculture and infrastructure modelling.

Don McQuillan was born in Dundalk, Louth, and was educated at UCG and at Johns Hopkins University. After a decade at the University of Wisconsin at Madison, where he supervised several theses, he served as department head at UCD. He then spent many years as a sought after expert on quality assurance. His research interests include algebraic number theory and commutative algebra, including modular groups, Dedekind rings, rings of integer valued polynomials.



Statistician **John Haslett** was born in Belfast, and was educated at QUB and at Birmingham. His 40-year career was spent at TCD, where he supervised over a dozen PhDs. His interests have included spatio-temporal statistical models and related areas, with applications to wind-power, satellite imagery, mineral exploration and to palaeo-climate reconstruction.



Theoretical physicist **Tigran Tchrakian** was born in London and was educated at Imperial College and the University of Edinburgh. Most of his career has been spent at Maynooth and the DIAS, where he supervised several PhDs. His research has focussed on classical solutions of equations of motion in field theory: Yang-Mills-Higgs systems, instantons, monopoles and skyrmions.



Statistician **John Hinde** was born in England and was educated at Oxford and Canterbury. His career included many years at Lancaster and Exeter, followed by 16 years at NUI Galway, where he supervised numerous PhDs. His main interests are in the theory and practice of statistical modelling, with particular focus on the analysis of discrete data.

Ann O'Shea was born in Glasheen, Cork, and was educated at UCC and the University of Notre Dame. Her career has been spent at Maynooth. Her research in several complex variables has given way to work in maths ed. Her interests include the role of technology in formative assessment, professional development of teachers, and measuring the effectiveness of mathematics support.



January

2025

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
NEW YEAR'S DAY		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



20 24 Irish Mathematics Calendar



This calendar, an annual treat since 2016, is a by-product of the **Annals of Irish Mathematics and Mathematicians**, which was founded at the end of 2014. AIMM is an entirely volunteer online initiative, which aims to celebrate Irish mathematics and mathematicians both historic and modern: illustrating the proud historical and strong contemporary contribution to the world of mathematics and its applications, and consequently to the world at large. The project includes the **Gallery of Irish Mathematicians** (accounting for over 5000 people), the Library of Irish Mathematics (over 1000 books), the **Atlas of Irish Mathematics** (county by county listings) and regular **Maths Ireland Blogs** of relevance.

The project and blogs can be found on www.mathsireland.ie and followed on twitter at @IrishMathsFacts

Maths Week Ireland is a partnership of all higher education and others on the island of Ireland concerned with promoting and supporting maths. It was established in and quickly grew into the biggest festival of its kind in the world, reaching over 500,000 people in 2023. It is coordinated by Calmast STEM Engagement Centre at SETU (South East Technological University). It takes place every October in the week including the 16th (Hamilton Day), with events online, in-school, in partner centres and large venues – even on the streets!

More information can be found at www.mathsweek.ie or by following @mathsweek on X (twitter).



An Roinn Oideachais
Department of Education

