Maths Counts 2015

For office use ONLY	
Date Received	Registration Number

Registration Form

This form may be photocopied, or go to www.projectmaths.ie to download a copy

BLOCK CAPITALS ONLY– ONE APPLICATION PER PERSON

First Name	
Surname	
School	
School Roll No	
Email	

Teacher	Principal	Student	Other (please give details)

Please tick below where appropriate

Registration	Yes	No	Registration	Yes	No
I will attend on Friday at 18:00			I will attend on Saturday 09:30 - 15:45		

Saturday, 18th April 2015

You are invited to register for **5 parallel sessions** below. Please enter in the grid below the **session number** you wish to attend for **each time slot** (see centre pages). We will endeavour to meet your preference but limited spaces will apply per session therefore priority will be given to those who register early.

3 choices must be notified in all cases. If a 2nd and 3rd choice is not specified, we will choose on your behalf.

Time	1st choice (sessions)	2nd choice (sessions)	3rd choice (sessions)
11.00 - 11.45 (Sessions 1 - 4)			
11.45 - 12.30 (Session 5 - 8)			
LUNCH			
13.30 - 14.15 (Sessions 9 - 12)			
14.15 - 15.00 (Sessions 13 - 16)			
15.00 - 15.45 (Sessions 17 - 20)			

CONFERENCE FEE - PAYMENT METHOD

PLEASE TICK

a.   A cheque for € 30.00 made payable to Project Maths is enclosed with this form ☐

b.   Bank Transfer of € 30.00 transferred to: ☐

Account Name: **Project Maths Current Account**
BIC (Bank Identifier Code)   BOFIIE2D
IBAN   IE09BOFI900738 95078651
Bank Name   Bank of Ireland
Bank Address   Collinstown Cross, Dublin 17
you **MUST** indicate the NAME/INITIALS/COMPANY used for your bank transfer in the box provided.
Without this we CANNOT identify individual payments

Bank Transfer REFERENCE USED

COMPLETED REGISTRATION FORMS TO BE SUBMITTED AS FOLLOWS:

Bank Transfer Option by email to grainneh@ecdrumcondra.ie **OR** posted to address below
Cheque Option by POST ONLY to Administrator, Project Maths Office, Drumcondra Education Centre, Drumcondra, Dublin 9

CLOSING DATE FOR REGISTRATION - Friday, March 27th 2015

Maths Counts 2015

Learning and Teaching Mathematics In Irish Post-Primary Schools

A Conference for all Mathematics Teachers

University College Dublin, Belfield, Dublin 4
Friday 17th & Saturday 18th April 2015

Maths Counts 2015

The Project Maths Development Team is pleased to announce that a Maths Conference will be held this year in University College Dublin. A wide range of practical presentations will be offered by teachers. The presentations arise from teachers' participation in a professional development initiative, *Reflections on Practice.* This initiative captures and promotes individual teacher and school group collaborative planning, observation and analytic reflection on classroom practices and active student engagement in learning mathematics. The conference aims to disseminate teachers' strategies and real classroom experiences focusing on students' learning. It will be of particular interest to post-primary mathematics teachers and also third level personnel involved in initial teacher education. In addition the conference will be a wonderful opportunity to meet with other maths teachers and exchange ideas.

Keynote Speaker: Geoffrey Wake, Associate Professor in Mathematics Education from Nottingham University
Keynote Address - Solving a Problem: Lessons for Problem Solving

Following a period of teaching mathematics in Secondary schools and colleges, Geoffrey has worked in mathematics education, teaching and research in universities. He has a strong track record of research and curriculum development with a focus on problem solving and applications of mathematics. Additionally his research has included investigating student transitions through compulsory school and college into STEM (science, technology, engineering and mathematics) subjects in university, qualification implementation and curriculum change, and most recently the professional learning of teachers.

He currently works on two European Union funded projects investigating inquiry learning that connects to the world of work (MaSciL) and the use of technology in formative assessment (FASMED). He also directs a project that is investigating Lessons for Mathematical Problem Solving using lesson study in clusters of schools across England. This work is informed by collaboration with a project that is doing parallel work in Japan.

Friday 17th April – O'Brien Centre for Science
18.00 Registration to commence
Welcome by Tim Hurley, Chairperson, Drumcondra Education Centre
19.00 Official Opening by Damien English T.D., Minister for Skills, Research and Innovation
19.15 Keynote address, Geoffrey Wake, Associate Professor
20.30 –22.00 Wine & Canapé Reception
Saturday 18th April - O'Brien Centre for Science
09.00 - 09.30 Registration
09.30 - 10.30 Presentation from State Examination Commission and National Council for Curriculum and Assessment
10.30 - 11.00 Tea/Coffee
11.00 - 15.45 Parallel sessions presented by teachers
15.45 - 16.15 Presentation on Learning, Teaching and Assessment of Mathematics, Department of Education and Skills
16.15 - 16.30 Closing Address by Dr. Anne Brosnan, National Coordinator, Project Maths Development Team

CLOSING DATE FOR REGISTRATION - Friday, March 27th 2015

1.What is Maths Counts - Insights into Lesson Study Conference?
Maths Counts is a national conference for teachers of Mathematics at post-primary level, with a choice of 20 Parallel sessions, presented by teachers. Keynote speaker Geoffrey Wake, Associate Professor, University of Nottingham and guest speakers from State Examinations Commission, Maths Inspectorate and National Council for Curriculum and Assessment
2. Who is the Teaching and Learning Conference for?
It is for every teacher of Mathematics at post-primary level and personnel engaged in initial teacher education.
3. Who is organising it?
The Teaching and Learning Conference is being organised by the Project Maths Development Team; www.projectmaths.ie
4. Where will it take place?
It will take place in University College Dublin, Belfield, Dublin 4.
5. When and what time?
Friday 17th and Saturday 18th April 2015.
Friday evening from 6.00 pm - 10.00pm
Saturday from 9.00 am - 4.30 pm
(see maps for directions)
6. Do I have to attend on the Friday and on the Saturday?
No. You can attend on the Friday only, or on the Saturday only, or on both days.
7. What will take place on the Friday?
The Conference will open at 6.00 pm. There will be an official launch by a Guest of Honour and a Keynote Address by Associate Professor Geoffrey Wake.
This will be followed by canapés & wine reception.
8. What will take place on the Saturday?
A series of parallel sessions on teaching and learning mathematics and presentations by guest speakers will take place from 9.30 a.m. until 4.30 p.m. The presenters, the majority of whom will be teachers, will be sharing good classroom practices on a broad range of topics.
9. The cost of the Conference.
(a) How much does the Conference cost?
The Conference costs €30 per person. This covers every aspect of the Conference.
(b) If I only attend one day, or a part of the Conference, will a different fee apply?
No.
(c) What about the reception on the Friday?
Again the €30 covers the reception on the Friday but **you must indicate on the registration form that you will be present for this (see overleaf).**

(d) How and when will I pay the €30?
Please submit your registration form (see overleaf) along with your payment. Payment can be made by cheque or bank transfer. Cheque payable to Project Maths. Payment by both methods **MUST be received by March 27th 2015.**
(e) Will lunch be available on the Saturday?
The €30 covers lunch on the Saturday but **you must indicate on the registration form that you will be present for the lunch.**
10. Will travel and subsistence expenses be paid?
No.
11. How can I register?
(a) Registration Form (see overleaf) must be completed and returned to this office by **March 27th 2015.** Photocopies of this form can be used. Alternatively, you can download a copy from the website www.projectmaths.ie
(b) **You will have an opportunity to attend 5 of 20 parallel sessions**. Thus it is necessary to **fill in the registration form clearly with your choice of parallel sessions. You MUST make choices 1, 2 and 3 in EACH CASE.** Every effort will be made to give you your preferred choices but we cannot promise that you will get your first choice in every case.
(c) Priority will be given to those who register earliest.
12. How will I know that I am registered?
An email will be sent to you confirming receipt of your registration form. **Please make sure to provide an email address on the registration form.**
13. Can I register on the day?
No. Everybody must be registered **before March 27th 2015.**
14. What about accommodation?
You are responsible for securing and paying for your own accommodation.
15. Any other information?
There will be an exhibition of stands at the Conference from companies/organisations that relate to Mathematics and to education.
16. Where will I get further information?
Further information about the Conference can be found:

www.projectmaths.ie
Grainne Haughney, grainneh@ecdrumcondra.ie and Rachel Dunne, racheldunne@ecdrumcondra.ie

Schools involved in Reflections on Practice

- Ardscoil na Mara, Tramore, Co. Waterford
- Bailie Community School, Co. Cavan
- Ballybay Community College, Co. Monaghan
- Carndonagh Community School, Carndonagh, Co. Donegal
- Children's Ark School, Regional Hospital, Limerick
- Colaiste Bride, Enniscorthy, Co. Wexford
- Colaiste Einde, Threadneedle Road, Salthill, Galway
- Colaiste Iognaid, Sea Road, Galway
- Coláiste Chroí Mhuire , An Spidéal, Co. na Gaillimhe
- Colaiste Phadraig, Lucan, Co. Dublin
- C.B.S. Roscommon, Abbeytown, Co. Roscommon
- Community School, Carrick on Shannon. Co. Leitrim
- Coola Post Primary School, Riverstown, Co. Sligo
- Deele College, Raphoe, Co. Donegal
- Ennistymon CBS, Co Clare
- Good Counsel College, New Ross, Wexford
- Jesus & Mary Secondary School, Salerno, Threadneedle Road, Salthill, Galway
- Killarney Community School, Killarney, Co.Kerry
- Kilrush Community School, Co Clare
- Laurel Hill Secondary School, Limerick
- Loreto College, Cavan
- Loreto Convent Milford, Milford, Co. Donegal
- Mohill Community College, Mohill, Co. Leitrim
- Presentation Secondary School, Wexford Town
- Presenation, Listowel, Co. Kerry
- Roscommon Community School, Lisnamult, Co. Roscommon
- Royal School, Cavan
- Scoil Carmel, Limerick
- Scoil Mhuire, Strokestown, Co. Roscommon
- Scoil Muire gan Smal, Roscommon Town
- Scoil Phobail Mhic Dara, Carna, Co. na Gaillimhe
- St. Aidan's Comprehensive School, Cootehill, Co. Cavan
- St. Joseph's Secondary School, Ballybunion, Co. Kerry
- St. Joseph's Secondary School, Foxford, Co Mayo
- St. Joseph's Patrician College, Nun's Island, Galway
- St. Leo's College, Carlow
- St. Mary's Academy, Carlow
- St. Mogue's College, Bawnboy, Co. Cavan
- St. Patrick's, Lacken Cross, Killala, Co. Mayo
- St. Peter's College, Sumerhill, Wexford

Sponsor

The Project Maths Development Team would like to thank Microsoft for their support and generous contribution towards this Conference.

Comments from Maths Counts 2013

The Maths Counts Conference 2013 was very well received by teachers, as the following typical feedback shows:

- *'The enthusiasm and energy was infectious'*
- *'The conference moved extremely smoothly, the timing was superb and started on time which is so rare. Well done.*
- *'PERFECT Everybody was so friendly and nobody adopted a superior attitude. We were all learners together. The Project Maths Development Team have brought about a cultural change in the teaching of maths in Irish classrooms. This is the next Phase!'*
- *'The conference was not what I had expected but it surpassed what I thought it was going to be like. I learnt a lot thank you'*
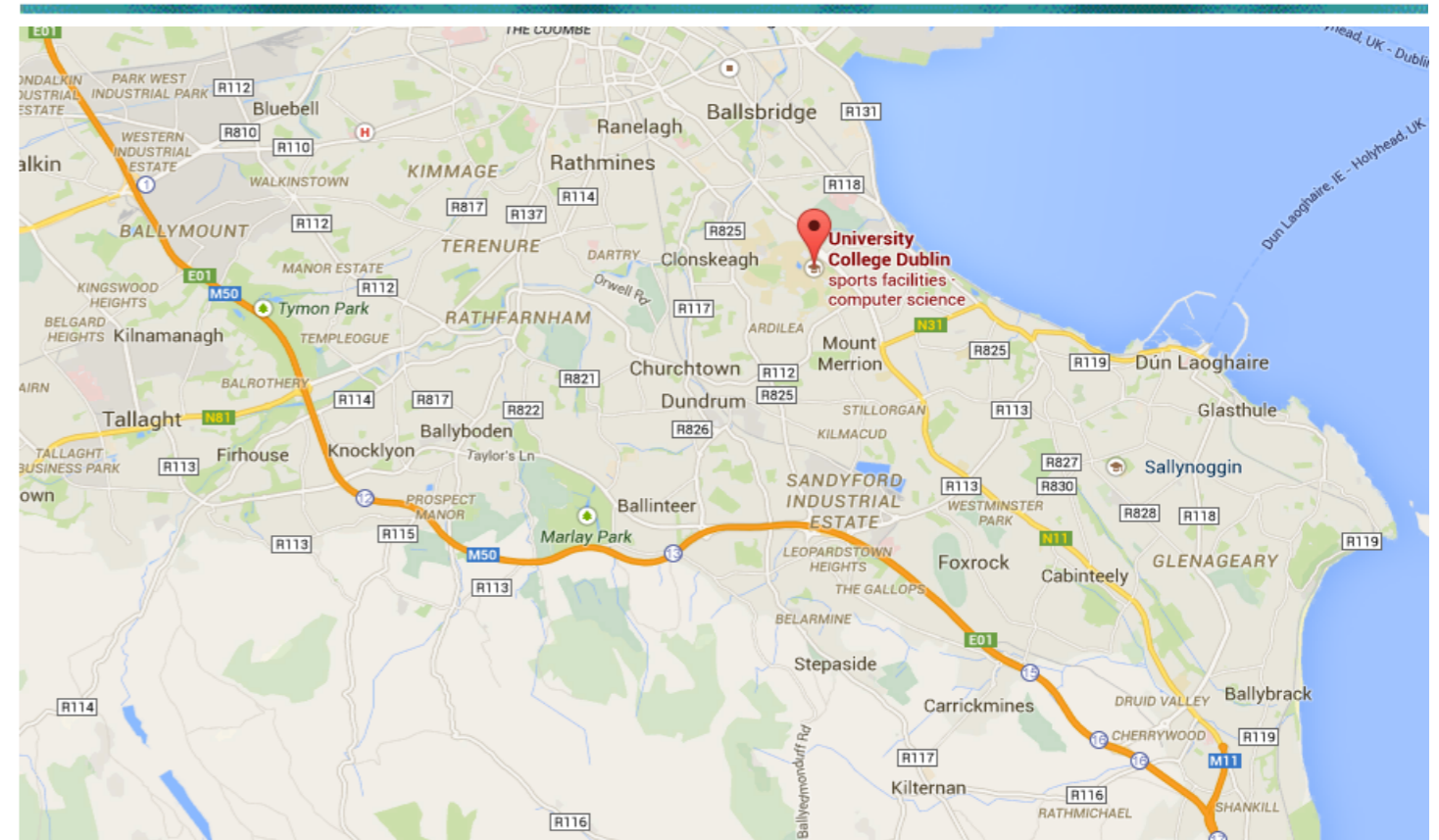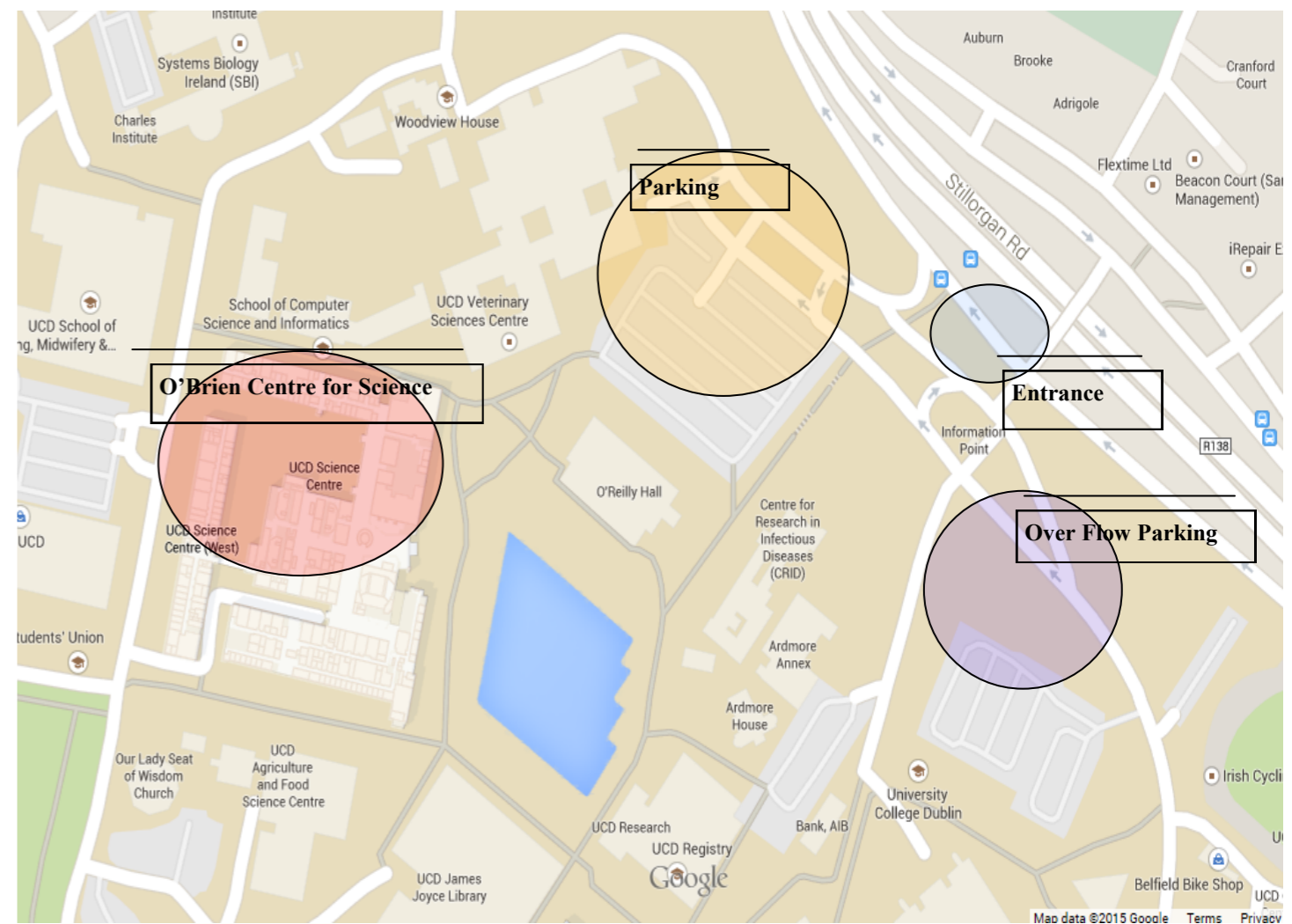- *'Well done to Anne and her team. Take a bow and run another one next year please'*

Microsoft
Surface

Directions to UCD, Belfield, Dublin 4

Loc8 code for the N11 entrance to the Belfield campus is NN4-32-9QJ

SATURDAY 18th April 2015

You are invited to register for the Presentations below and indicate this on the registration form (SEE BACK PAGE) . Every effort will be made to give you your choice but there are a limited number of spaces in the rooms therefore priority will be given to those who register early.
You must indicate 3 choices for each time slot *(SEE BACK PAGE).*

9.00 - 9.30: Registration, Tea/Coffee

9.30 - 10.30:
Presentations from State Examinations Commission and National Council for Curriculum and Assessment

10.30 - 11.00: Tea/Coffee

PRESENTATIONS BELOW

TIME	ROOM H1.49	ROOM E1.17/1.18	ROOM H1.52	ROOM E2.16
11.00 - 11.45	Enda Donnelly Tile Style - Distribution and so much more **1**	Deirdre Deegan Using arrays to factorise polynomials **2**	Sean MacCormaic Introducing quadratic functions through problem-solving **3**	Maire Ui Chonghaile Strategies for ordering fractions (besides using common denominators and decimals) **4**
11.45 - 12.30	Larry Carolan Building an extension to your house? The Distributive Law **5**	Jane Keenan Visualising and making sense of the "Invert and multiply" algorithm for fraction division: A Perspective from Senior Cycle **6**	Shirley Dempsey & Brigid Kennedy The coordinated plane - thinking of coordinates as distances **7**	Margaret Bonner Fostering Independent Learning of Algebra, specifically quadratic equations, through the use of GeoGebra **8**
		12.30 - 13.30 - Lunch		
13.30 - 14.15	Paul Philbin Believing the distributive law for multiplying algebraic binomial Expressions **9**	Rob O'Leary & Cathy Cronin Ratio and proportion - giving students an intuitive understanding through problem-solving **10**	Natalie Noone Household Bills: Introducing simultaneous equations in a problem solving context **11**	Siobhan Hayes Valuing the Variable - The hidden code **12**
14.15 - 15.00	Pearse Ryan The correct classroom use of exam questions **13**	Noreen McKeogh/Maria Nolan/ Olive Dillon Teaching the difference of squares for understanding **14**	Joanna Pres-Jennings Who is the best penalty scorer? (Equivalent fractions to the rescue) **15**	Mike Lynch Descrambling Algebra - Our students' thinking **16**
15.00 - 15.45	PJ Folan Visualising and making sense of the "Invert and multiply" algorithm for fraction division: A Junior Cycle Approach **17**	Siobhán Coll Pushing the Pattern - Using a growing pattern to introduce the notion of a variable **18**	Kevin Carey Introducing Problem Solving: Does "One Size" fit all? **19**	Michael Walsh Walking the talk: Generating and interpreting graphs using a motion sensor **20**

15.45 - 16.15
Presentation on Learning, Teaching and Assessment of Mathematics Department of Education and Skills

16.15 Closing Address by Dr. Anne Brosnan, National Coordinator, Project Maths Development Team