

Maths Counts

For office use ONLY		
Date Received		Registration Number

Registration Form

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

BLOCK CAPITALS ONLY– ONE APPLICATION FORM 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		Yes	No
I will attend on Friday at 18:00			I will attend on Saturday 09:30 - 15:45		

Saturday, 16th November 2013

You are invited to register for **5 parallel sessions** below. Please enter in the grid below the session numbers 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 and priority will be given to those who register first.

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 - 5)			
11.45 - 12.30 (Session 6 - 10)			
LUNCH			
13.30 - 14.15 (Sessions 11 - 15)			
14.15 - 15.00 (Sessions 16 - 20)			
15.00 - 15.45 (Sessions 21 - 25)			

CONFERENCE FEE - Payment Method

OPTION A - CHEQUE

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

OPTION B - BANK TRANSFER - PLEASE NOTE: IF USING BANK TRANSFER OPTION YOU **MUST** USE YOUR SURNAME AND INITIALS AS A REFERENCE ON TRANSACTION

Bank of Ireland:

Sort Code: 900738

Account No: 95078651

Account Name: Project Maths Current Account

Amount

€	30.00
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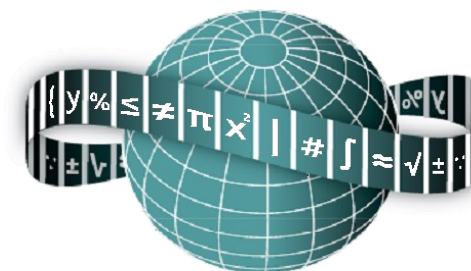
Registration & Payment can be returned by **POST** with **cheque** or **bank transfer receipt** to: Project Maths Administrator, Drumcondra Education Centre, Drumcondra, Dublin 9 **NO LATER THAN FRI 18TH OCTOBER 2013**



Maths Counts

Insights into Lesson Study

Learning and Teaching Mathematics in
Irish Post-Primary schools



Conference for all post-primary
teachers of Mathematics 2013

National University of Ireland, Maynooth
Friday 15th & Saturday 16th November





Maths Counts 2013

The Project Maths Development Team is pleased to announce that a Maths Conference will be held this year in the National University of Ireland, Maynooth. A wide range of practical presentations will be offered by teachers. The presentations arise from schools' participation in a professional development initiative based on *Lesson Study* which 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.

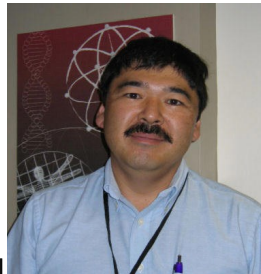
Keynote Speaker: Professor Tad Watanabe

Keynote Address - Hand in Hand: Lesson Study and Problem Solving

Tad Watanabe is a professor of mathematics education at Kennesaw State University, Georgia, USA. He received his master's degree in mathematics from Purdue University, Indiana, USA, and Ph. D. in mathematics education from Florida State University, USA. He has published several research articles on Japanese Lesson Study and the teaching and learning of mathematics.

Originally from Japan, Tad was always interested in their education practices in mathematics. In particular, he was interested in Japanese teachers' use of problem solving to teach mathematics and how they developed their teaching proficiency through Lesson Study. In 2000, Tad spent 7 months in Japan visiting more than 50 schools and attending Lesson Study meetings throughout Japan.

Upon his return to the United States, he worked with many Lesson Study groups across USA, including Chicago Lesson Study Group, Rochester (NY) Lesson Study Group, and Volusia County (Florida) Lesson Study Group, serving different roles such as a knowledgeable other, final commentator, and invited lecturer. He was a member of an advisory panel of a National Science Foundation funded project by EDC and Resources for Supporting Lesson Study in Mathematics, which focused on Lesson Study at High Schools. He also served as an outside consultant to the project, Important Mathematics and Powerful Pedagogy: Deepening Teacher Content Knowledge and Using Lesson Study to Effectively implement Iowa's High School Mathematics Initiatives. He is currently involved in a project that is promoting the Japanese style problem solving teaching model among US teachers. His publications and presentations from his analysis of Japanese curriculum materials include the use of different visualization models as students' thinking tools and how Japanese lower secondary curriculum approaches the teaching of proofs.



Friday 15th November – Iontas Building

Registration to commence **18.00**

Official Opening by Minister for Education and Skills, Mr. Ruairí Quinn, TD **19.00**

Keynote address, Professor Tad Watanabe **19.15**

Launch of NFER Report: *Research into the impact of Project Maths on student achievement, learning and motivation – Final Report* **20.30**

Canapés & Wine Reception **21.00**

Saturday 16th November - Iontas Building

Registration **09.00 - 09.30**

09.00 - 16.30

Parallel sessions & presentations by teachers and guest speakers:

Dr. Anne Brosnan, National Coordinator, PMDT

State Examinations Commission and Department of Education and Skills Representatives

Closing Address by Minister for Research & Innovation, Mr. Seán Sherlock, TD

CLOSING DATE FOR REGISTRATION FRIDAY 18TH OCTOBER 2013

Questions and Answers

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 25 parallel sessions, presented by teachers. Guest speakers include Professor Tad Watanabe, Kennesaw State University, State Examinations Commission and Department of Education and Skills representatives and Dr. Anne Brosnan, National Coordinator, PMDT.

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 National University of Ireland, Maynooth.

5. When and what time?

Friday 15th and Saturday 16th November 2013. Friday evening from 6.00 p.m. onwards and Saturday from 9.00 a.m. until 4.30 p.m. (see map for location in NUIM).

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 p.m. There will be an official launch by the Minister for Education & Skills, Mr. Ruairí Quinn, TD, and a Keynote Address by Professor Tad Watanabe. The NCCA will launch: *Research into the impact of Project Maths on student achievement, learning and motivation - Final Report*. 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. Other experts will give input on particular aspects of the learning and teaching of mathematics. The Minister for Research and Innovation, Mr. Seán Sherlock, TD will officially close the Conference.

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 **FRIDAY 18th OCTOBER 2013.**

(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?

- Registration Form (see overleaf) must be completed and returned to this office by FRIDAY 18th OCTOBER 2013. Photocopies of this form can be used. Alternatively, you can download a copy from the website www.projectmaths.ie/conference.asp
- You will have an opportunity to attend 5 of 25 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 the highest choice but we cannot promise that you will get your first choice in every case.
- 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.

13. Can I register on the day?

No. Everybody must be registered **before FRIDAY 18th OCTOBER 2013**

14. What about accommodation?

You are responsible for securing and paying for your own accommodation. A map and information on accommodation in the area are available in this brochure.

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/conference.asp

Grainne Haughney, grainneh@ecdumcondra.ie and

Rachel Dunne, racheldunne@ecdumcondra.ie

Conference Registration takes place here on BOTH Friday 15th Nov at 18:00 AND Saturday 16th Nov at 9:00. Presentations by guest speakers will also take place here
Parallel Sessions, Saturday 16th Nov, 11:00 - 15:45
Lunch, Saturday 16th Nov, 12:30 - 13:30

SATURDAY 16th NOVEMBER 2013

You are invited to register for the Presentations below and indicate this on the registration form. Every effort will be made to give you your choice but **there are a limited number of spaces in the rooms and priority will be given to those who register earliest.** You must indicate 3 choices in each case (see back page). If sufficient choices are not indicated, a choice will be made on your behalf.

9.00 - 9.30 - IONTAS BUILDING

Registration

9.30 - 10.30 - IONTAS BUILDING

Presentations from the State Examinations Commission and Dr. Anne Brosnan, National Coordinator, PMDT

10.30 - 11.00 - IONTAS BUILDING

Tea/Coffee

ALL PRESENTATIONS BELOW IN JOHN HUME BUILDING

TIME	ROOM JHL3	ROOM JHL4	ROOM JHL7	ROOM JHL5	ROOM JHL6
11.00 - 11.45	1 Introduction to Geometry in First Year Coláiste na Sceilge, Caherciveen	2 Use of Edmodo to Facilitate Teaching and Learning Loreto Abbey, Dalkey	3 GeoGebra and solving modulus inequalities St. Columba's Comprehensive, Glenties, Donegal	4 Taxation: Does your answer make sense? St. Mark's Community School, Tallaght	5 Necessity is the Mother of invention: Real Life Applications of Mathematics Our Lady's College, Drogheda
11.45 - 12.30	6 Introduction to Differential Calculus Presentation Secondary School Listowel	7 GeoGebra and Constructions at Leaving Cert. OL St. Columba's Comprehensive, Glenties, Donegal	8 An Introduction to Patterns St. Mark's Community School, Tallaght	9 Introducing fractions to Junior Cert. students Presentation Secondary School, Warrenmount	10 Problem Solving as a "Means not an End" St. Mark's Community School, Tallaght
12.30 - 13.30 - PHOENIX RESTAURANT - Lunch					
13.30 - 14.15	11 Linking Patterns through the strands St. Patrick's College, Gardiner's Hill	12 Introducing integration St. Columba's Comprehensive, Glenties, Donegal	13 Introducing a variable in First Year Algebra Sacred Heart, Westport	14 Array model and quadratic factorisation Wesley College	15 Applications of HCF and LCM to Problem Solving Loreto Abbey, Dalkey
14.15 - 15.00	16 Use of the array model in first year Wexford Vocational College	17 Introducing Tolerance and Error Loreto Abbey, Dalkey	18 Mathematically Literacy and Patterns: Junior Cert Coláiste Choilm, Tullamore	19 Using Mind Maps in Mathematics Moate Community School	20 Ratio and Proportion St. Patrick's College, Gardiner's Hill
15.00 - 15.45	21 Carnival Games: Leaving Cert. Probability Scoil Mhuire, Kanturk	22 Introducing Patterns Junior Cert Moate Community School	23 Transformations of functions in Second Year Presentation Secondary School Listowel	24 Geometry in Context Our Lady's College, Drogheda	25 Introduction to Nets St. Mark's Community School, Tallaght

15.45 - 16.30 - IONTAS BUILDING

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

16.30

Closing Address by Minister for Research and Innovation, Mr. Seán Sherlock, TD