IMTA
Conference 2026

Small Steps, Big Thinking

with Keynote Speaker

Craig Barton

Saturday, 19th September

Tullamore , Co. Offaly

Venue

Tullamore Court Hotel, Tullamore, Co. Offaly

Conference attendees will receive a conference goody bag with free teaching and learning resources.

Tea, coffee and pastries will be served at registration and during the morning break.

All attendees will receive a certificate of attendance for their CPD records.

Venue Map

Hamilton

Welcome
Inspectorate Talk
Craig Barton Keynote & Workshop
Senior Cycle Session

Lobby

Registration, Exhibitors, Tea and Coffee

Hypatia

Lobby Exhibitors

Edco
Examcraft
EpiStem
The Tution Centre
CJ Fallon
Leaving Cert Plus
Studyclix
Oide

Conference Centre Exhibitors

Exam Revision
IMT
Maths Week
Gill Education
Educate.ie
Ms Maths Ireland
MathMate
Folens
CCPC
TAP

Pythagoras

Euclid

Noether

Lovelace

Conference Centre

Workshops Venue, Exhibitors, Tea and Coffee

PROGRAMME 2026

08:30 - 09:00	REGISTRATION & EXHIBITOR STANDS
09:00 - 09:45	Welcome & Inspectorate Talk
09:50 - 10:30	WORKSHOP LINE 1
10:30 - 10.50	Tea/Coffee & Exhibitors
10:55 - 11.55	Keynote Address – Craig Barton
12.00 - 12.40	WORKSHOP LINE 2
12:40-13:30	Lunch
13:35 - 14:15	WORKSHOP LINE 3
14:20 - 15:00	Problem Solving WORKSHOP - Craig Barton
15:05 - 16:05	Senior Cycle Roundtable Discussion
16.05 - 16.10	Conference Close
16:10 - 16:30	IMTA AGM 2026

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Craig Barton loves teaching, doing, speaking and thinking about mathematics. He taught maths in secondary schools for 15 years and was TES Maths Adviser for 10 years. He is now the Chief Academic Officer at Eedi, an online maths learning platform that uses diagnostic questions to identify students' misconceptions and provide targeted, personalised support.

Craig is the author of many best-selling books, including How I Wish I'd Taught Maths, Reflect, Expect, Check, Explain and the Tips for Teachers Guide to... series. He hosts the Mr Barton Maths Podcast and the Tips for Teachers Podcast, and is the creator of far too many websites.

In 2020, he was appointed as a Visiting Fellow at the Mathematics Education Centre at Loughborough University. Craig has been lucky enough to teach maths and work with teachers and students all over the world.

This is Craig's second time working with the IMTA. Craig was our keynote speaker for our online conference in 2020, and we are delighted to welcome him back — this time in a face-to-face capacity.

WORKSHOPS

9.50 - 10.30

ROOM	WORKSHOP	DESCRIPTION
Hamilton	**Improving attitudes to problem solving** *Neil Butler*	In order to develop a trusting and working relationship in the classroom, a shared vocabulary and understanding of the problem solving process is required. Here I will give participants the opportunity to work through a variety of pen and paper puzzles, and similar thinking tools, in order to see the potential for developing our students as mathematicians in the consequence-free sphere of puzzles and games. Papert's "Hard Fun", Pólya's four step problem solving process, and the four pillar framework for computational thinking will guide the session.
Pythagoras	**Worked Examples, Working Harder** *Darren Russell*	Worked examples are one of the most used tools in the maths classroom. Small differences in how they're delivered can shape what students take from them. This workshop explores how small, deliberate adjustments in presenting a worked example can free up students' capacity for real mathematical thinking.
Euclid	**The Work of the Irish Maths Trust** *Jean O'Brien & Mayya Golitsyna*	The Irish Mathematical Trust (IMT) supports mathematically curious students through free enrichment classes, competitions, problem-solving workshops and international Olympiads. We will explore how competitions develop problem-solving, resilience, confidence and community, and highlight how teachers can support students by identifying potential, encouraging participation and building local problem-solving communities.
Noether	**Before the formula: Making Mathematics Spatially Meaningful.** *Aidan Roche*	Practical ways to use diagrams, movement, manipulatives and dynamic representations to build understanding before formal procedures.
Lovelace	**GeoGebra: The Dynamic Digital Manipulative.*** *Oide*	This session showcases GeoGebra as a tool for making abstract ideas visible and accessible. Using carefully designed tasks on the transformations of functions and investigating the Empirical Rule, we will examine how interactive exploration supports conceptual understanding, student agency and deeper mathematical thinking. ***Participants of this workshop are asked to bring a device**
Hypatia	**Student Support Planning to Shape Meaningful Learning, Teaching and Assessment** *NCSE*	A look at student support plans through the lens of the mainstream mathematics teacher.

The Tuition Centre

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- Have fun!

2 STRATEGY SPARKS CHALLENGE

- Use matchsticks to develop **strategic thinking**
- Learn to be **competitive** in the right way
- Develop problem-solving skills
- Strengthen teamwork and communication

BOOK YOUR WORKSHOP

089 959 6278
sean@thetuitioncentre.ie
@mrmathweeney

IN PERSON WORKSHOPS

SCAN TO BOOK NOW!

WORKSHOPS

12.00 - 12.40

ROOM	WORKSHOP	DESCRIPTION
Hamilton	**Mind, Maths and Motion: Using juggling to inspire students** *Seán McWeeney*	We will examine how the skills of juggling can be modelled using quadratic functions, and how it can be an easy bridge to LC HL Maths by writing them in factorised form, standard form and completed square form.
Pythagoras	**Making connections in the syllabus that have a big impact everywhere** *George Humphrey*	In this workshop George will share practical approaches to teaching key ideas across the post-primary maths curriculum, from fractions and changing the subject of a formula to logarithms, probability, complex numbers and radians. The session will focus on clear explanations, useful representations and ways of helping students understand where important rules and ideas come from.
Euclid	**From What to How looking at the IMPACT Awards** Eleanor Byrne & Dr. Rónán Smith	Discover how the IMPACT scholarship can support you and your colleagues to develop innovative approaches to mathematics teaching and strengthen student engagement. Drawing on findings from the programme's first year, the session will explore how structured collaboration increased teachers' confidence in using innovative pedagogies, engaging students, and developing units of learning with colleagues. You will also learn how you and your school can participate in the IMPACT Teacher Awards.
Noether	**Supporting students with the language of exam questions** Ronan Cotter	Students can often understand mathematical concepts when taught directly, but struggle to recognise and apply them in word-based exam questions. Complex language can become a barrier, even when the required mathematical skills are in place. This workshop focuses on bridging that gap by helping students identify key words and phrases, connect them to familiar concepts, and recognise what a question is asking them to do.
Lovelace	**Maths in the Wild: Hands-On Workshops for Exploring Everyday Maths** *John Butler*	This workshop will demonstrate how teachers can use these resources to connect maths to real-world science, giving students a hands-on sense of the subject's applications beyond the classroom. The materials comprise five self-contained modules, covering how a neural network is built, how decision-making is modelled, predator-prey relationships, how the senses combine, and how face recognition works.

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Discover Maths is the most comprehensive and highly accessible package for Junior Cycle Maths, brought to you by The Educational Company of Ireland and a team of highly experienced ***mathsexperts***.The package contains three books designed to fully meet the needs of teachers and students, and the requirements of the Junior Cycle Maths specification.

Edco 2025

The Educational Company of Ireland

Pleasecontact yourLocal EdcoRepresentativeforfurtherinformationandtorequestasample copy,
Ph: 01-4500611, Email:info@edcolearning.ie,Website:www.edcopublications.ie

WORKSHOPS

13.35 - 14.15

ROOM	WORKSHOP	DESCRIPTION
Hamilton	**Teaching Mathematics for Understanding: Connecting Concepts, Procedures and Representations** *Niamh O' Meara & Mark Prendergast*	Later in 2026, Springer will publish a book by Niamh O'Meara and Mark Prendergast exploring the 'why' behind key mathematical procedures and ideas. This workshop will introduce the book and show how it can support teachers in developing deeper mathematical understanding and stronger problem-solving skills in their students.
Pythagoras	**Developing Spatial Thinking – a course to promote spatial ability development** *Gavin Duffy*	Spatial ability is a strong predictor of success in STEM, yet it is often overlooked in education. This workshop shares findings from the Developing Spatial Thinking programme, delivered to TY students across 25 Irish schools, where students made significant gains in spatial ability and mathematics. Attendees will explore the workbook, software and manipulatives used, and sample some of the activities.
Euclid	**Does going digital change the clock** Aoife O' Brien	Does going digital change the clock: investigating the differences in student effort between online and pen and paper assessment.
Noether	**Inferential Statistics: Making sense of Confidence Intervals through the problem-solving pathway** Eoghan O Leary	This workshop will build teachers' understanding of inferential statistics and confidence intervals at Leaving Certificate Higher Level. Through problem solving, we will explore the key ideas in an accessible way and share practical approaches that can be brought directly into the classroom.
Lovelace	**Bringing the history of mathematics into classrooms** *Stephen Begley*	Stephen is a Mathematics Teacher at Dundalk Grammar School and PhD researcher at Maynooth University, exploring how the history of mathematics can enrich teaching and learning. In this workshop, he will share practical classroom activities that use historical ideas to support problem solving, differentiation, discovery-based learning and curricular understanding from 1st to 6th year.
Hypatia	**Teaching moments with Higher Leaving Cert** *Brendan Guildea*	A Rambles through 4 or 5 interesting exam style questions. Including a 10 minute look at teaching the proposed new addition to our course, box&whisker plots.

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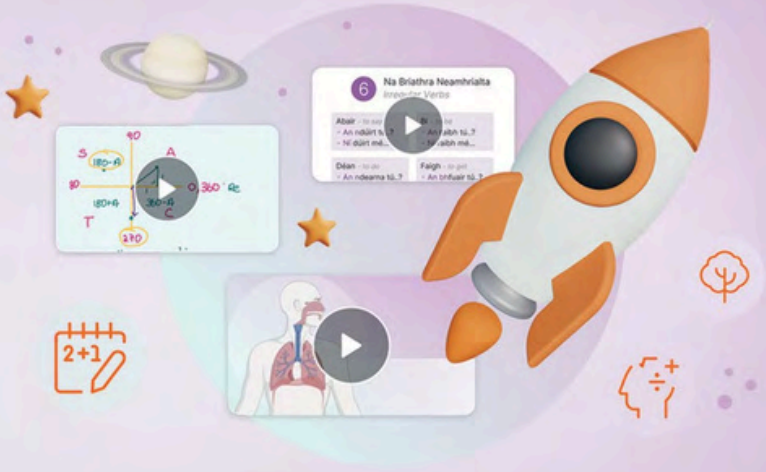

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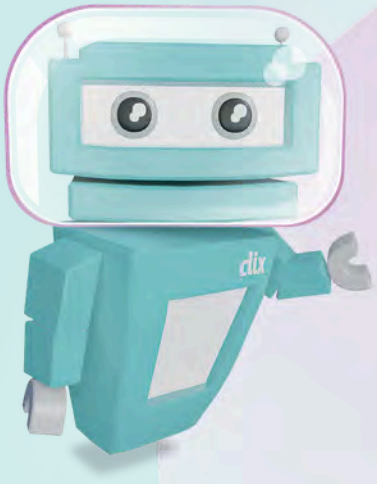

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1. Goto LC Maths,LC Irish,LCBiology, or JC Maths on studyclix.ie
2. Click on any topic
3. Click on the 'Boost' tab

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IMTA COMPETITIONS

2026/27

1st Year

FIRST YEAR MATHS COMPETITION

Audience: 1st Year Students

National online multiple-choice problem-solving competition. Format: 15 Questions, 40 mins.

26TH - 30TH APRIL 2027

2nd Year+

THE MAGGIE GOUGH COMPETITION

Audience: 2nd Year - TY - 5th Year Students

National online problem-solving competition. Held during Maths Week.

12TH - 16TH OCTOBER 2026

JC

THE PI QUIZ

Audience: Junior Cycle Students

Teams of 4 tackle JC HL problems in a table quiz format. Regional winners progress to the National Final.

9TH MARCH 2027

TY

PETER'S PROBLEM

Audience: Transition Year Students

Longer-form problem solving challenge for an individual or team of 3 students.

STARTS: JANUARY 2027

SC

TEAM MATHS

Audience: 5th & 6th Year Students

Teams of 4 compete in a table quiz based on the LC HL course. Regional winners qualify for the National Final.

14TH JANUARY 2027

Irish Mathematics Teachers' Association

Register at www.imta.ie/all-competitions

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Peter's Problem: petersproblem2027@gmail.com

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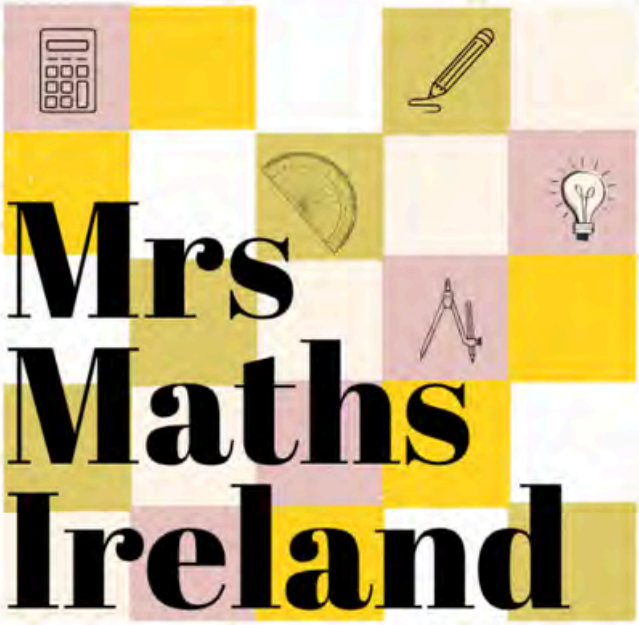

Mrs Maths Ireland

Practical, engaging resources for maths teachers and schools.

From classroom ready teacher resources to support for students and teachers through Junior Cycle and Leaving Cert Maths, Mrs. Maths Ireland creates and curates resources designed to make maths more accessible, engaging and effective.

Explore our resources

Junior Cycle Maths CBA 1 Handbook

A practical guide to support students and teachers through the CBA process.

The Maths Teacher Club Subscription Box

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TikTok

MATHS WEEK
10-18 OCT 2026

Maths Week is an all-island initiative promoting positive attitudes towards maths and highlighting the importance of maths in our lives. Since 2006, Maths Week has grown to attract participation from as many as 2 million people across the island each year.

In 2026, Maths Week Ireland is celebrating its 21st year!

HAVE YOU REGISTERED FOR MATHS WEEK?

100 YEARS OF THE CALCULATION

Join us in celebrating 100 years since the publication of the pivotal paper by John von Neumann.

The 21st annual Maths Week Ireland

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MATHS FOR ALL
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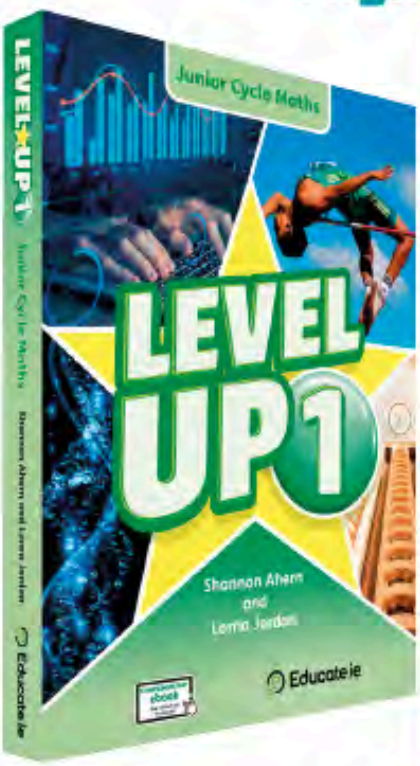

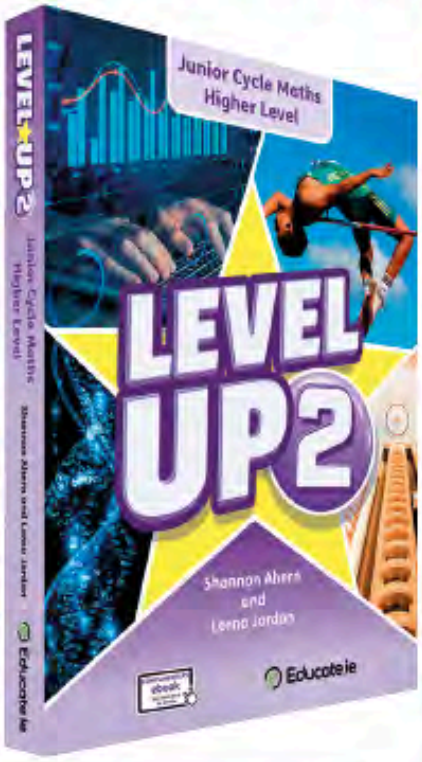

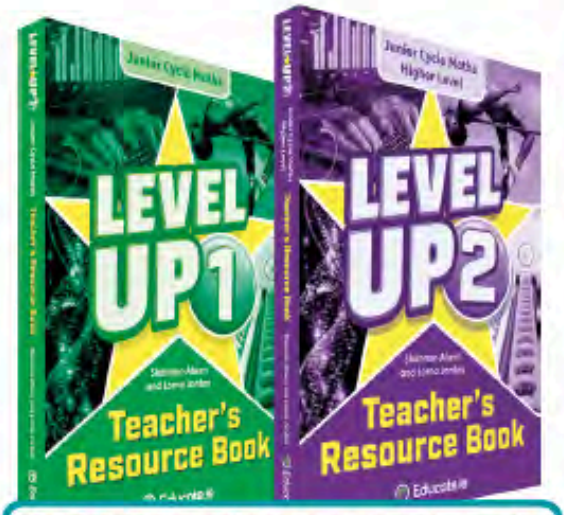

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- ✓ Published after the release of the Early Enactment Review of the Junior Cycle Maths specification and addresses issues that it raised.

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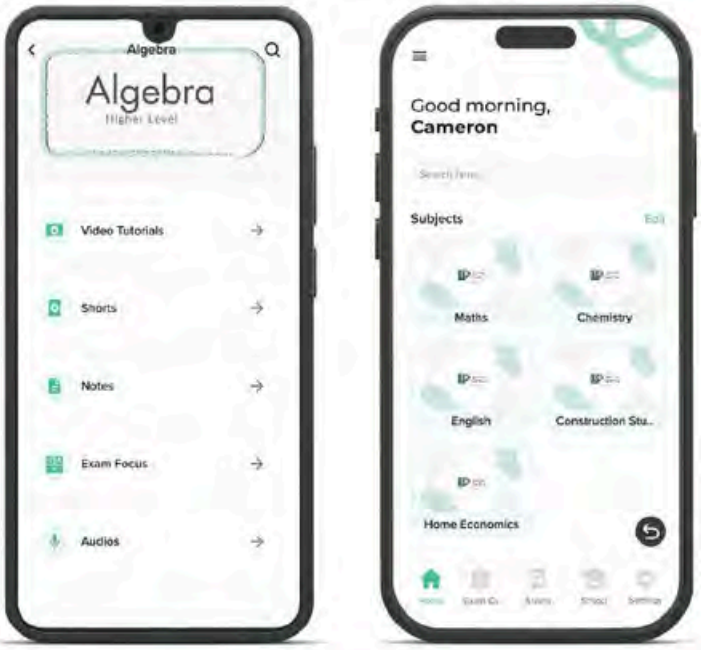

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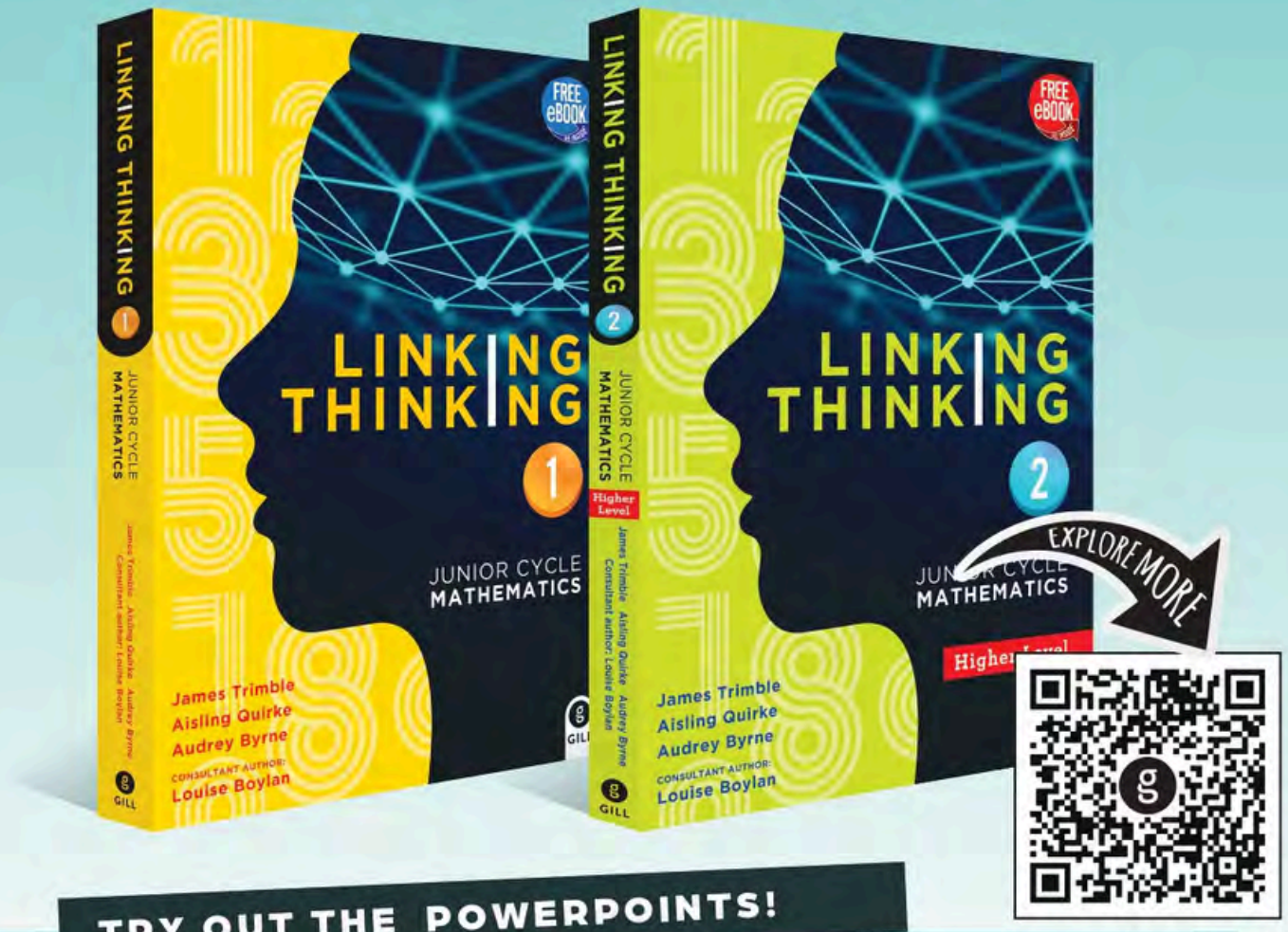

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GREAT NEWS!

Power Points for every chapter now available.

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Competition and Consumer Protection Commission (CCPC)
Financial Education Resources

The Competition and Consumer Protection Commission (CCPC) is delighted to announce that applications for the 2026 **Our Money, Our Future sponsorship programme** are now open.

Our Money, Our Future is a Global Money Week aligned sponsorship programme by the CCPC. It supports post-primary schools and Youthreach centres to **develop creative, student-led financial literacy initiatives**.

All information about the programme and application process is available on our website.

Apply for sponsorship here!

Closing date: **25th September 2026**.

Please ensure you have read the updated Our Money, Our Future Sponsorship Guidelines before applying.

Further useful information is available in the updated Teacher Toolkit.

If you need some inspiration, read more about the Our Money, Our Future: Award Winners 2026.

NEW: Our Money, Our Future - Information Webinar

Hear from other teachers about their experiences using the sponsorship in their classes and an overview of the programme on **Sep 21 from 7pm** during a live Webinar discussion. Click here to register.

Financial Maths videos

The CCPC has created financial maths videos on **VAT, interest on loans** and **compound interest** for Junior Cycle Mathematics. Developed in consultation with **Oide** and aligned with the **Junior Cycle mathematics specifications**, the materials are accompanied by a range of **classroom-ready teaching resources** that will help students connect mathematical concepts with real-world financial decisions.

These videos and classroom resources are also available in Irish.

Financial maths videos

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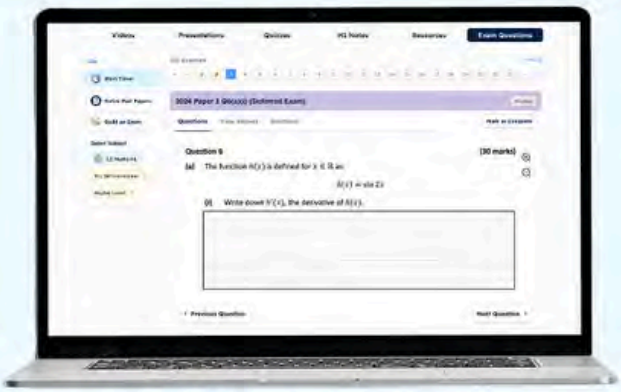

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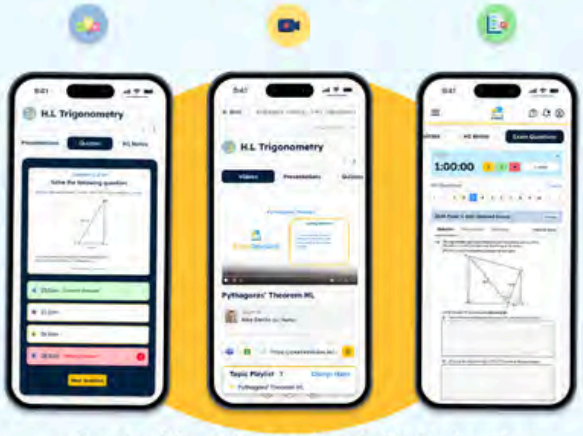

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UPCOMING EVENT

Irish Mathematics Teachers Association

ALTA EDUCATION

The Area Model:
Connecting Arithmetic and Algebra

Wed 07/10/2026 | **19:30 – 20:30**

Stuart Welsh from ALTA Education delivers webinar 2 of 3 in his series on *Using Manipulatives & Representations to Build Deeper Mathematical Understanding.*

This session will explore how the area model can provide a common representation across arithmetic and algebra. We'll look at how the same underlying structure can support multiplication and division before developing into algebraic expansion, factorisation and more advanced work with polynomials.

	x	$+3$
x	x^2	$3x$
$+2$	$2x$	6

Same structure. Deeper understanding.

Register here

(Please note that you will need to register for each of Stuart's webinars separately).

ACADEMY OF STEM TEACHERS

EPI·STEM

Dear Teachers,

We are pleased to inform you that three new Mathematics resources in CALCULUS and accompanying supplements have been added to our online platform the EPI•STEM ACADEMY OF STEM TEACHERS (see link below).

These research-led CPD resources for math teachers of senior cycle created by Dr Jason Curran (EPI•STEM & Dept. Maths & Stats, UL) are available under the Mathematics Education category and within the Calculus CPD Presentations and Supplementary CPD Resources folders and include the following:

Main files

- CPD #7 Differential Calculus
- CPD #8 Functions in Calculus
- CPD #9 Integral Calculus

Supplements

- Application of Differentiation (MaxMin Problems)
- Average Value
- Chain Rule

We encourage you to explore these new materials and adapt them to support your practice. As always, we welcome any feedback you may have.
You can access the EPI•STEM ACADEMY OF STEM TEACHERS using the link below:
https://epistem.ie/resources/

Thank you for your continued engagement with EPI•STEM The National Centre for STEM Education in the School of Education in UL and your commitment to STEM education.

Samuel Brzyskiewicz
Research Coordinator of the EPI•STEM ACADEMY OF STEM TEACHERS
EPI•STEM The National Centre for STEM Education,
School of Education, Faculty of Education and Health Sciences,
Room A1-064b, University of Limerick.
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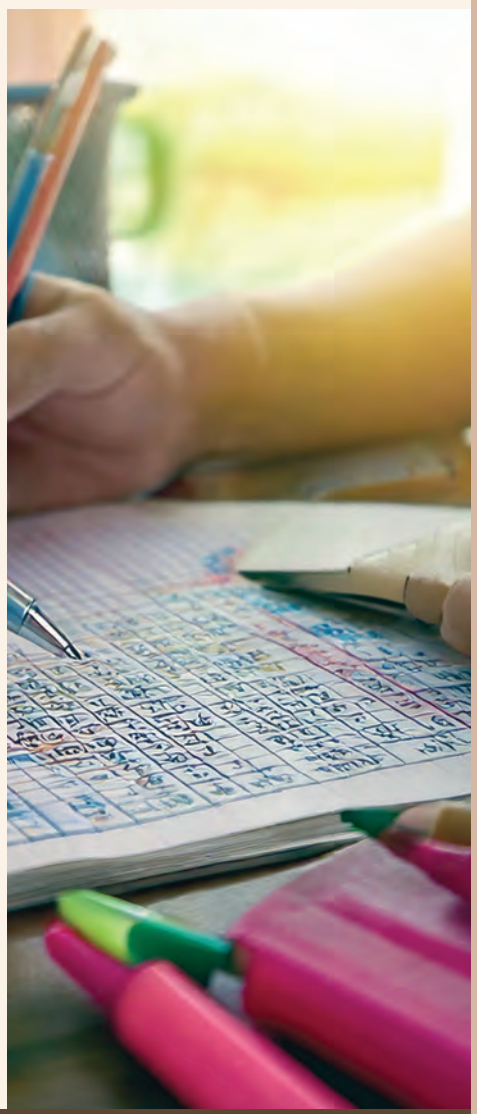

New Calculus Resources

Explore the latest STEM resources today!

EPI·STEM National Centre for STEM Education

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Oide

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