

2018 Webinar Series

KICK START
YOUR LEARNING

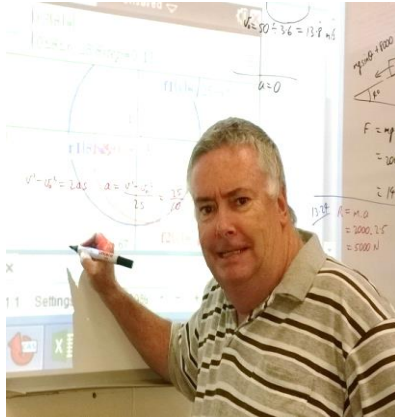
MASTER
MATHS CONCEPTS

ROCK YOUR
EXAM RESULTS



Further (& General) Mathematics – Time Series Data

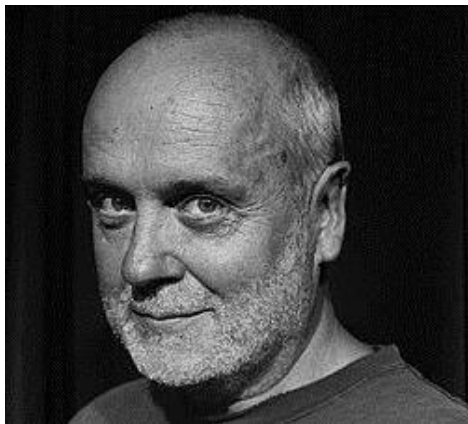
with David Tynan



Host – Brian Lannen

Murray Mathematics Curriculum Services
T³ National Instructor

Brian Lannen has been teaching for over 30 years in Victoria and NSW. He has taught Physics, Maths and Science in schools, university and TAFE colleges, was a curriculum consultant in NSW and New York and has contributed to a range of text book writing projects. He now teaches in the Diploma in Engineering course at Wodonga Institute of TAFE as well as running his own consultancy business, Murray Mathematics Curriculum Services.



Panelist – David Tynan

Aquinas College, Ringwood

T-Cubed National Instructor

David has been teaching secondary mathematics in Victoria, Australia for over 25 years. He has an interest in the role and impact of technology in the secondary mathematics classroom. During his time at the University of Melbourne he was involved with many classroom research projects.

David has been actively involved in mathematics teacher PD since 1995, and is currently a nationally accredited T³ trainer in Australia with years of experience of presenting at regional, state, national and international mathematics education conferences. In addition he is author and publisher of teacher and student resources in mathematics.

During the webinar...

Shared Desktop

Shortly you will be viewing the presenter's desktop. You can communicate with the presenters using the Questions or Chat space.

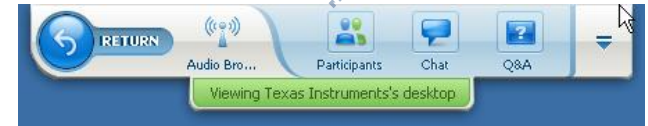
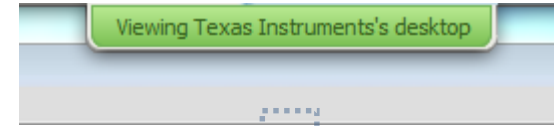
During the webinar...

Questions & Chat

The Q & A box and Chat space can be found in the floating toolbar at the top of your screen.

Drag the tool bar down.

Click the corresponding icon.

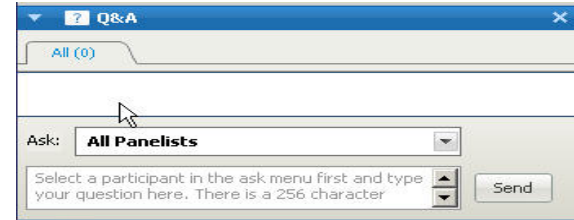


During the webinar...

Questions

Ask the host a question.

The host may respond to your question directly or ask the presenter.

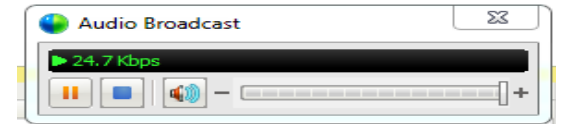


During the webinar...

Sound

You can listen to the webinar via your computer. Sound options are located under the **communicate** menu.

Make sure the sound is **not** muted.



Sound is switched off prior to the commencement of all webinars.

During the webinar...

Sound

Some participants prefer to use their phone to listen to the audio.

Toll Free: 1800 708 203

Meeting Number: 824 020 073



Sound is switched off prior to the commencement of all webinars.

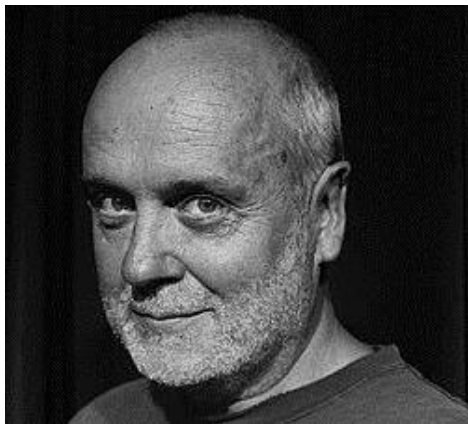
During the webinar...

Switching applications

If you need to temporarily switch between applications, the webinar application appears as a 'globe' in your taskbar.

When you return to this application desktop sharing automatically resumes.





Panelist – David Tynan

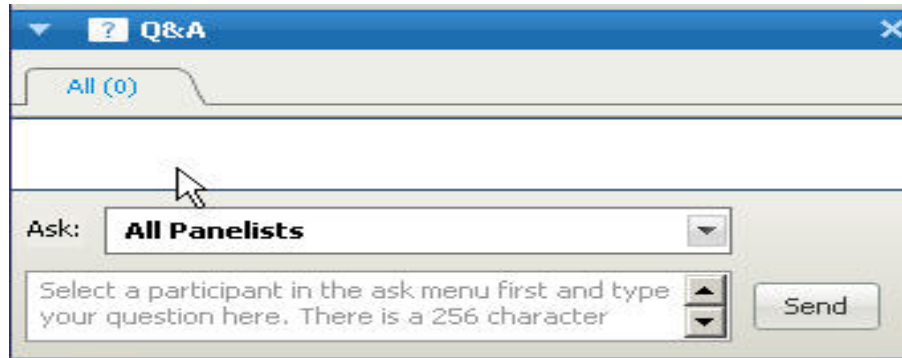
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Any last minute questions?



A screenshot of a web-based Q&A interface. The window has a blue title bar with a question mark icon and the text "Q&A". Below the title bar is a tab labeled "All (0)". The main content area contains an "Ask:" label followed by a dropdown menu currently set to "All Panelists". Below the dropdown is a text input field with a placeholder message: "Select a participant in the ask menu first and type your question here. There is a 256 character". To the right of the text field is a "Send" button. A mouse cursor is pointing at the dropdown menu.

After the webinar...

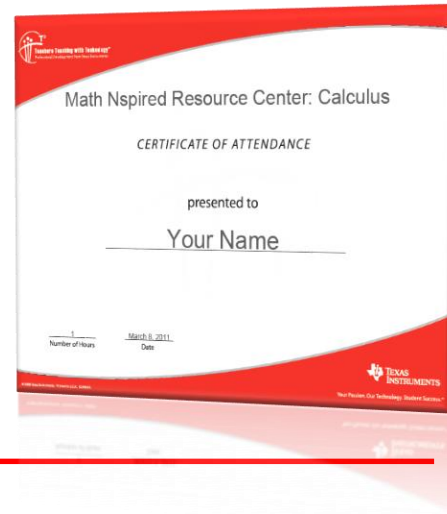
Feedback

Your feedback is important to us. Please take the time to respond to the survey at the conclusion of this event so we can continue to improve our webinar series.



Follow up

An email will be delivered within 48hrs of the conclusion of this webinar. Additional links will be provided in this correspondence including one for the webinar certificate.



An invitation to you!

- Would you like to gain some experience in presenting in a webinar?
- A 5-10 min guest segment incorporated into our webinar program sharing a clever TI tech-driven lesson idea.
- Type your commitment-free expression of interest into the chat window now.
- Brian or John will contact you via email to ask about your lesson idea.
- If you decide you'd like to give it a go, we will schedule your guest spot and also give you some training on how the WebEx system works (by email and WebEx training meeting).
- Certificate of acknowledgement of teacher training.
- If you are viewing a recording of this webinar, then email your expression of interest and technology-enhanced lesson idea to Brian Lannen at murray.math@bigpond.com

See it all again

On Demand



YouTube



<http://www.youtube.com/user/TIAustralia>

<https://education.ti.com/en-au/professional-development/webinars-and-tutorials/on-demand-webinars>

Upcoming Webinars

Led by teachers for teachers, free upcoming T³™ webinars feature the most relevant topics in mathematics and STEM education.

These live webinars cover a variety of topics and TI technology. They last about 60 minutes. A Certificate of Attendance will be provided at the end of each webinar.

[Watch past webinars on demand.](#)



Coming up next...

All

Step 1: Select a Technology ▼

Step 2: Select a Level ▼

Date	Title	Technology	Level	
+ 13 Feb	Back-to-School Tips and Tricks for TI-Nspire™ Technology	TI-Nspire™ CAS Technology	Senior	View Details
+ 20 Feb	Back-to-School Tips and Tricks for TI-84PlusCE™ Technology	TI-84 Plus family		View Details
+ 21 Feb	Specialist Mathematics – Vectors and Graphs of Rational Functions	TI-Nspire™ CAS Technology , TI-Nspire™ CX Technology		View Details
+ 13 Mar	Mathematics Methods – Inverse and Composite Functions	TI-Nspire™ CAS Technology , TI-Nspire™ CX Technology		View Details
+ 14 Mar	Further (& General) Mathematics – Time Series Data	TI-Nspire™ CAS Technology , TI-Nspire™ CX Technology		View Details
+ 20 Mar				
+ 21 Mar	Inspiring Middle School Mathematics	TI-Nspire™ CAS Technology , TI-Nspire™ CX Technology		View Details



Engaging ways to explore Victorian Senior Mathematics Courses

2018 Term 1 **FREE** Professional Development Events

Date	Time	Workshop Focus
9 th March	9:15am – 12:00pm	Specialist Mathematics Unit 1
	12:00pm – 12:30pm	Lunch
	12:30pm – 3:15pm	Specialist Mathematics Unit 3
16 th March	9:15am – 12:00pm	Mathematical Methods Unit 1
	12:00pm – 12:30pm	Lunch
	12:30pm – 3:15pm	Mathematical Methods Unit 3
23 rd March	9:15am – 12:00pm	General Mathematics Unit 1
	12:00pm – 12:30pm	Lunch
	12:30pm – 3:15pm	Further Mathematics Unit 3

Are you a Regional Victorian Teacher?

We are offering one night complimentary accommodation. Conditions apply.*

Places are limited, register now!

To register visit eventzilla.net/user/ti

Venue: 44 Lakeview Drive, Scoresby VIC

Keep reading for workshop descriptions.

***Accommodation Conditions:**

Numbers are strictly limited / Must be a registered Victoria Teacher and currently hold a teaching position at a Victorian regional school / School must be more than 150km from the PD venue. Accommodation is for the night prior to the event only / Hotel room cost only, all other charges are individual's responsibility / Offer not redeemable for cash and not transferrable / Limited to 1 night per person / TI will be in contact with you after registration with further details.



Engaging ways to explore Victorian Senior Mathematics Courses

Specialist Mathematics Unit 1

The two prescribed topics covered in this workshop are Number systems and recursion and Geometry in the plane and proof. Participants will use various functionalities of TI-Nspire™ CAS, including some less familiar features, to explore important concepts from these two prescribed topics.

Specialist Mathematics Unit 3

Topics covered in this workshop include Vectors, Complex numbers, Graphs of rational and reciprocal functions and Calculus. Participants will use various functionalities of TI-Nspire™ CAS, including some less familiar features, to explore important concepts from these topics. Highlighted activities will provide participants with skills that they can apply to their own SACs.

Mathematical Methods Unit 1

The Study Design for Unit 1 includes some mathematical concepts for which dynamic features of TI-Nspire™ CAS make it an ideal exploration tool. Participants will create dynamic, interactive documents to investigate various topics, including the bisection method, families of polynomial & power functions, transformations, inverse functions and rates of change. Participants will also set up simple probability simulations and obtain graphical displays of the results, leading to informal consideration of proportions in samples.

Mathematical Methods Unit 3

Graphical, algebraic, numerical and spreadsheet functionalities of TI-Nspire™ CAS will be used to explore the various areas of study, including key features of circular and other functions, transformations of functions and differential calculus.

The Study Design indicates that the Unit 3 SAC (Application Task) should include situations requiring problem-solving, modelling or investigative techniques or approaches. Highlighted activities will illustrate ways in which TI-Nspire CAS can support these approaches, providing participants with skills that they can apply to their own SACs.

General Mathematics Unit 1

Topics covered in this workshop include Computation and practical arithmetic, Investigating and comparing data distributions, Linear graphs and models and Matrices. Participants will use various functionalities of TI-Nspire CAS, including some less familiar features, to explore important concepts from these topics.

Further Mathematics Unit 3

Topics covered in this workshop include Data analysis and Recursion and financial modelling. Participants will use various functionalities of TI-Nspire CAS, including some less familiar features, to explore important concepts from these topics. Highlighted activities will provide participants with skills that they can apply to their own SACs.



Teacher Resource Centre

Classroom resources to save you time; professional development on-line, on-demand or in person; school rewards and opportunities, you'll find it all here in our Teacher Centre.

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- » Professional Development
- » Teacher Resources
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Activities



Professional Development



Teacher Resources



Succeed in a shifting educational landscape

Enrich your classroom skills and content knowledge through T³™ programs that help you learn to use TI technology to increase student achievement.

- » Contact Teacher Support



<https://www.ti-education-news.com/news-archive/381b99836858a828a747f85ed53f9921/newsletter-8001517969702.html>

<https://education.ti.com/en-au/teachers?category=professional-development>



Webinars

PD anywhere any time

Participate in live webinars, which are recorded and posted for free on-demand viewing, that run throughout the school year. These webinars focus on Australian Curriculum and provide you with a convenient way to learn at your own pace.

- » Upcoming webinar program
- » On Demand webinars



T³™ Workshops

Expect Success

Design an in-school professional development workshop to meet your specific needs. Facilitated by experienced T³™ trainers, workshops provide educators with high-impact, tightly focused, hands-on professional development.

- » Upcoming Program
- » Request a workshop

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Questions

If you have any questions about our products or services, please call

1300 138 140 (Australia)

0800 770 111 (New Zealand)



Thank you

Good night

Further (& General) Mathematics – Time Series Data

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