

Preparing to Teach Year 12 2 Unit Advanced Mathematics - for teachers new to this subject

Presented by Morris Needleman



Participants will gain insights into the teaching of the year 12 syllabus. The day will be spread evenly across all year 12 topics. A usb of helpful resources will be s...

Format: 1. Face to Face

Audience: for Secondary maths teachers with little or no experience in teaching this subject.

Description

The new Extension 2 Mathematics Course will challenge teachers in a variety of ways. The new Proofs topic will require students to be able to demonstrate skills in Mathematical Induction, Inequations, and Proof by Contradiction to name a few. We will comprehensively consider the main ideas.

3D vectors and the equations of vectors will also receive a detailed coverage, including a demonstration of how to use Geogebra to add clarity and insight into both the mathematics and teaching of new this new material.

While Complex Numbers is the topic with least change, particular emphasis will be made on polar and exponential forms and the relationship between them.

Calculus in this course relies heavily on integration techniques and these will be treated in depth.

The Mechanics in Extension 2 will see new ideas introduced. We will look at Simple Harmonic Motion, resisted motion and also at Projectiles in a resisted medium. Teachers will complete the day with anew found confidence to present this challenging material.

This confidence will be boosted by the provision of sample test questions, assessment ideas and comprehensive electronic resources,

Additional notes about this format

Teaching Standards

2.1.2 Proficient Level - Content and teaching strategies of the teaching area

3.3.2 Proficient Level - Use teaching strategies

3.4.2 Proficient Level - Select and use resources

6.2.2 Proficient Level - Engage in professional learning and improve practice

Are you in NSW? If so, this is relevant for you

Completing this course will contribute 5 hours of NSW Education Standards Authority (NESA) Registered PD addressing 2.1.2, 3.3.2, 3.4.2 & 6.2.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

TTA (Teacher Training Australia) is endorsed to provide the NSW Education Standards Authority (NESA) Registered Professional Development for teachers accredited at Proficient and Lead Level Teacher.

Occurrences

Start Date	Location	Price
17/11/2020	Sydney CBD	\$354 + GST

Sessions

No session information is available.

About the presenter



Morris Needleman

Creator

Morris has previously occupied the position of Head of Mathematics and Mathematics Technology at Reddam House, Kincoppal Rose Bay and The Emanuel School in Sydney. Qualified with an M.A. in pure mathematics and a B. Ed. (maths), Morris has experience teaching in a wide variety of schools and has delivered many professional development courses for mathematics teachers both in Australia and overseas. Morris was recognised in 2006 with an Outstanding National Achievement for Excellence by a Teacher the National Awards for Quality Schooling. Morris has also been designated by Apple as a Distinguished Educator.



Enrol now to secure your spot

Limited spots are available. Please enrol online or fax your enrolment to 1300 667 691 to secure your spot.

Please note, by submitting this enrolment form you are confirming that you have been given financial approval by your employer to attend this course. Cancellation advice should be given in writing 7 days before the commencement of this course.

Product: Preparing to Teach Year 12 2 Unit Advanced Mathematics - for teachers new to this subject

Occurrence
Date:

Your Name:

Your email
address:

Employer
name:

Employer
phone:

Enrol online at <http://tta.edu.au>