



Mathematics 7-12 professional learning activity

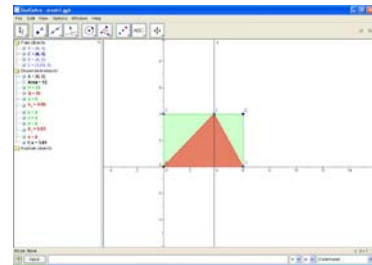
GeoGebra for beginners 2009

All video conferences will be from 4 – 5pm (EST)
Local video conference facilities need to be booked

Event	Video conference 1	Video conference 2	Video conference 3
8187	Monday 16 February	Monday 2 March	Monday 23 March
8942	Tuesday 5 May	Tuesday 19 May	Tuesday 2 June
8943	Wednesday 27 May	Wednesday 17 June	Wednesday 1 July
8944	Wednesday 5 August	Wednesday 19 August	Wednesday 2 September

What is GeoGebra?

GeoGebra is a free software package which operates across different computer platforms using Java. It is a very versatile, easy to use piece of software for the mathematics classroom bringing together dynamic geometry, coordinate geometry, algebra and calculus. The coordinate geometry or algebraic component addresses a wider range of topics than the usual dynamic geometry software packages. More information can be found at <http://www.geogebra.org/cms/>



Overview of course

Video conference 1	Introduction to GeoGebra <ul style="list-style-type: none"> • How do technology-based activities support mathematics learning? • Technology aspects in the syllabus • Dynamic mathematics software – GeoGebra • In-school task 1 overview
In-school task 1	GeoGebra classroom activity
Video conference 2	Using GeoGebra <ul style="list-style-type: none"> • Feedback from in-school task 1 • Lesson 1 – simple GeoGebra constructions <ul style="list-style-type: none"> ○ A line through two points ○ A parabola • Lesson 2 – Angle in the alternate segment construction • In-school task 2 overview
In-school task 2	Circle theorem GeoGebra construction

Video conference 3	Creating a dynamic worksheet in GeoGebra <ul style="list-style-type: none"> • Inserting a checkbox • Exporting the construction • Inserting a slider
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Teachers who wish to register for this workshop need to be approved by the Principal to attend.

This workshop is available to NSW DET teachers only.

Currently this course is not registered with the NSW Institute of Teachers.


NSWIT standards addressed:

4.2.5	Create, select and use a variety of appropriate teaching strategies and resources including ICT and other technologies to make content meaningful to students.
6.2.3	Engage in professional development to extend and refine teaching and learning practices.
6.2.4	Work productively and openly with colleagues in reviewing teaching strategies and refining professional knowledge and practice.

What to bring:

- One laptop per participant
- One GeoGebra for beginners CD (this will be sent to you on registration)

Workshop registration

To register for this workshop follow this link 

http://www.curriculumsupport.education.nsw.gov.au/secondary/mathematics/prolearn/pl_activity.htm

Once registration is completed, participants will receive workshop confirmation and materials.

Registrations close **seven** working days before the scheduled workshop

A registration fee of \$55 (incl. GST) for government schools will be charged for each video conference site. You can have any number of participants at each site. This fee covers all workshop materials.

For further information contact:

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