

# ICT & Maths - Part 2

## Using dynamic mathematics software to support the teaching of Strands 3, 4 and 5 of the post-primary mathematics curriculum

The aim of the “ICT & Maths, Part 2” course is to enable teachers to use ICT and mathematics software to support the teaching of Strands 3, 4 and 5 of the post-primary mathematics curriculum. Designed by the Project Maths Development Team in collaboration with NCTE the course is the second in a series of ICT & Maths courses on the use of free dynamic mathematics software to support the teaching of Strand 3 (Number), Strand 4 (Algebra) and Strand 5 (Functions).

The course is accompanied by a support wiki which contains exemplars of ICT for mathematics including the use of digital projectors, visualisers and demonstrations of how ICT applications and equipment can be used in learning and teaching. Teachers are encouraged to work collaboratively and create and share interactive resources on the wiki.

<b>Duration</b>	The course is modular and 7.5 hours in total (3 sessions of 2.5 hours duration each)
<b>Skill Level</b>	Intermediate
<b>Target Audience</b>	Designed for Project Maths post-primary teachers who are interested in integrating ICT within the classroom
<b>Prerequisites</b>	Participants should have undertaken the first ICT & Maths Course or have a good knowledge of GeoGebra software. Participants should also have basic ICT skills, understand how to download software and have some experience of using the Internet.

### Module 1

Using ICT mathematics software to teach Number & Algebra (Strands 3 and 4)  
This module deals with complex numbers in depth, the number line and linear patterns.

### Module 2

Using ICT mathematics software to teach Number, Algebra and Functions (Strands 3, 4 and 5)  
This module deals with the Trapezoidal Rule, square root of two and three, 3D shapes and provides an introduction to functions.

### Module 3

Using ICT mathematics software to teach Functions (Strand 5)  
This module deals with many different types of functions and many areas of calculus.



**Code:** 11WC031

**Time:** 7.00-9.30pm

**Dates:** Wednesday 4th, 11th & 18th May 2011

**Venue:** West Cork Education Centre, The Square, Dunmanway



To book a place on this course please contact ICT Dept on 023 8856756/7