

# Graphical Times.

## Volume 11, Issue 46, 2013.



Welcome back to term 2! Winters officially on its way! Please find this term 2 newsletter and pricing informative and price saving for your school and students needs. In this newsletter are two promotions, one for term 2 and 3 while stocks last and the other is for the month of May 2013 only.

The NZAMT13 Biennial conference is happening in the first week of the break between term 3 and 4. 1~4<sup>th</sup> October in Wellington.



### What's in here!

**Included in this terms newsletter is: Calculator activities for the Classpad 330+, graphic and scientific calculator:**

- **Worksheet for the Classpad 330+ and similar models: Inverse Normal and Binomial distribution calculations**  
**Binomial, Poisson and Normal Distribution calculations**
- **Worksheet for the FX9750GII and similar models: Modeling probability distributions**
- **Worksheet for the FX82AU: Fibonacci series and sequences**
- **Term 2 and 3 pricing valid from, 1<sup>st</sup> May 2013 until the end of term 3, 2013.**

### Workshop opportunities.

**Workshop opportunities:** If you would like to have a workshop for teachers and or students then please make contact with *Graphic Technologies*. A large number of schools are taking up this opportunity either singularly or as a cluster of schools (with both the graphic calculator and the ClassPad330+), to look at how the graphic calculator and CAS could impact on and be integrated into classroom practice. With NZQA having acknowledged that year 12 & 13 students without a graphical calculator being disadvantaged, a large number of schools are taking up the opportunity to up skill teachers and students on this mathematics/statistics technology.



### Graphic Technologies Specials for Term 2 and 3.

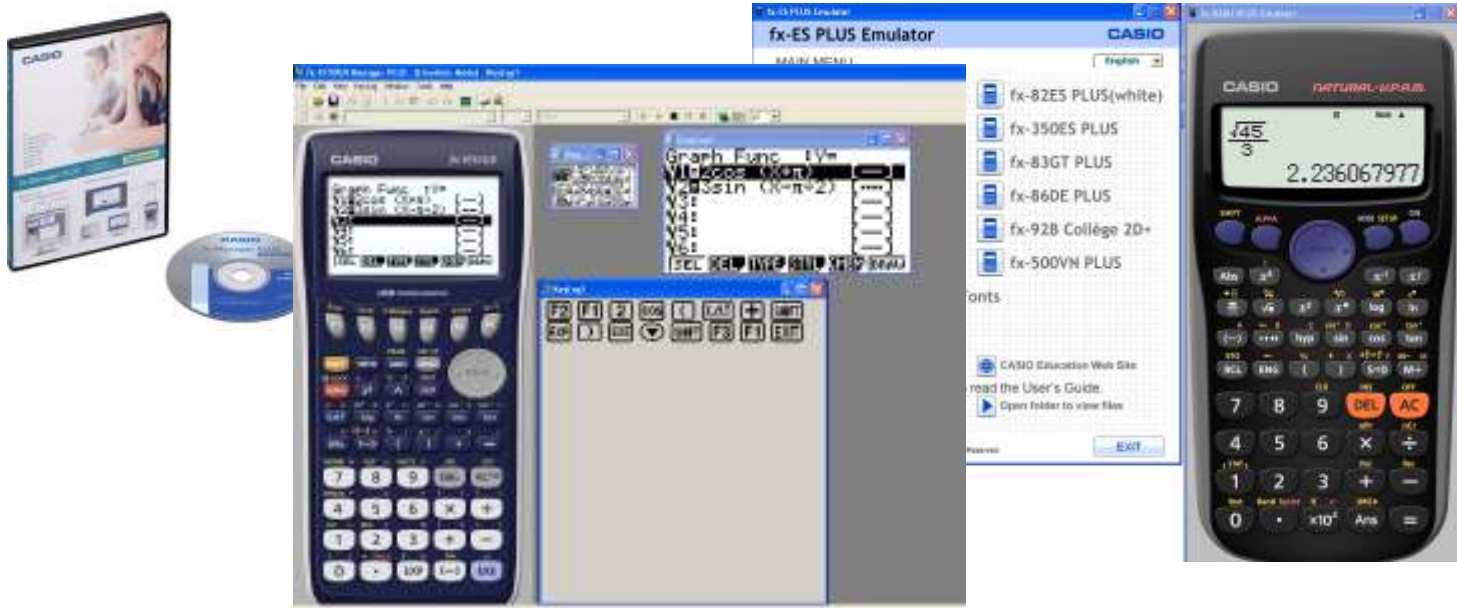
[See the term 2 and 3 pricing sheet for more products.](#)

Product	# of Units	Price per unit (excl GST)
FX9750GII graphic calculator (monochrome) <b>RRP \$132.95</b> <b>Buy in multiples of 10 and receive a free FA-124USB cable [high-speed data communication between PC and the FX9750GII] Buy 10 get 1, but 20 get 2 ...</b>	1 - 10	\$95.00
	11 - 19	\$93.50
	20 +	\$91.50
EA-200 Data Logger and EA- 2 Motion Sensor combined [ <b>Limited supply</b> ]	NA	\$600.00
FA-124USB cable [high-speed data communication between PC and the FX9750GII]	NA	\$15.00
FX991ES plus version 3 emulator software version 3 <b>A desirable addition to Cambridge schools classrooms</b>	NA	\$130.00

### Mathematics Department Cycle [Pass it on to . . . ]

	→		→		→		→		→
	→		→		→		→		→

## The FX82AU+, FX991ES plus and FX9750Gii emulators are available



This new addition, the FX991ES plus, to the Casio calculator emulator family joins the **FX82AU+** and **FX9750GII Manager PLUS** emulator.

- **Full emulation of the CASIO FX991ES plus on your computer screen. An ideal classroom presentation tool when used with a data projector**
- **Emulates the CASIO FX991ES plus exactly on your PC or laptop screen**
- **Use the computer mouse or key-board to enter operations and key strokes**
- **‘Screen capture’ function – easily used to makes activity screen shots within documents and worksheets**
- **Site user license only, disk MUST be in the CD drive to run the software**

FX82AU + emulator software	\$130.00 + GST
FX991ES + emulator software	\$130.00 + GST
FA9860A emulator software single licence [FX9750GII]	\$190.00 + GST
FA9860B emulator software school licence [FX9750GII]	\$770.00 + GST

## May 2013 Special Promotion: Graphic Emulators (See separate flyer with this newsletter)

### FX9750GII Manager PLUS

#### ■ **Emulating fx-9750Gii Calculator Operation**

- The emulator makes it possible to mimic fx-9750Gii calculator operation using your computers mouse and keyboard.

#### ■ **Key-Log Editor**

- Enable to record emulator key operations
- Key-Log auto play of a recorded key
- Step playback

#### ■ **Capturing the Emulator LCD screen Image**

Enable to capture an image of the emulator LCD screen and save it as either of the following file formats.

- Monochrome bitmap format
- JPEG format

#### ■ Screen Receiver function

Enable to display the calculator screen image on your computer when you connect your calculator to your computer with the USB cable.

#### Operating Systems required:

Windows® XP Professional (32-bit)(SP3 or later), Windows Vista® (32-bit), Windows® 7 (32-bit/64-bit).

**Get a FREE  
FX9750Gii  
Emulator SCHOOL  
SITE license when  
you purchase 2 class  
sets of FX9750Gii (60  
units) at the regular  
bulk price of  
\$91.50+GST each.**



**Get a FREE  
FX9750Gii  
Emulator SINGLE  
license when you  
purchase 1 class set of  
FX9750Gii (30 units)  
at the regular bulk  
price of \$91.50+GST  
each.**

**Note:** FX9750GII graphic calculator (monochrome) **RRP \$132.95**

### Classpad update.

ClassPad Help Series - a resource for both students and teachers. Basic, Intermediate and Advanced sections for the help you require. The section titles are intended to reflect your stage of development with ClassPad, rather than mathematical or statistical ability. You can either click a title to play a short movie in the right hand pane or choose **PDF** to open a printable help sheet in a new window. Visit: <http://www.classpad.com.au/index.html>

### Websites of interest.

The quarterly job creation and destruction data is updated by Statistics NZ each quarter. The link below provides a link to this data set. This now contains a more comprehensive time series than what was available in 2010. By clicking on Table 4 this will provide you with this data set.  
[http://www.stats.govt.nz/tools\\_and\\_services/tools/TableBuilder/leed-quarterly-tables.aspx](http://www.stats.govt.nz/tools_and_services/tools/TableBuilder/leed-quarterly-tables.aspx)

### Updating your school stationery pricing and information sheets for 2014

If you are on the Casio programme, or need to pass on information to your stationery shop, then please note that the FX82AU + will have 4 new features. These features have been added to enhance the calculator to address more aspects of the NZ curriculum. Attached is an image of the calculator (showing the 'Verify' logic) which will be called the FX82AU Plus II.

The e main changes are:

- Q1/Q3/Med
- Factorization into prime factor
- Verify
- GCD/LCM

Please have your stationery lists updated for 2014.

### Program to support the use of the FX9750Gii.

In 2011 Casio Education NZ launched the 'Top Schools Program' to support schools using the new model of FX82AUplus scientific calculator. Registration numbers and general feedback indicated that the resources provided were of great benefit, so Casio Education NZ is launching a similar program in 2012 to support schools currently using (or wanting





to use) the FX9750Gii graphic calculator. Details were released in term 2, an information pack was sent in the post. The goal is to have all senior students in New Zealand using a graphics calculator so that no one is disadvantaged during NCEA examinations. Professional development courses will be offered in conjunction with Graphic Technologies supporting the program which looks to offer a sample calculator and comprehensive 'How to get started on your FX9750Gii' instructional manual. Details of the program can be uploaded from [www.casio.edu.monacocorp.co.nz](http://www.casio.edu.monacocorp.co.nz).

## FX-CG20

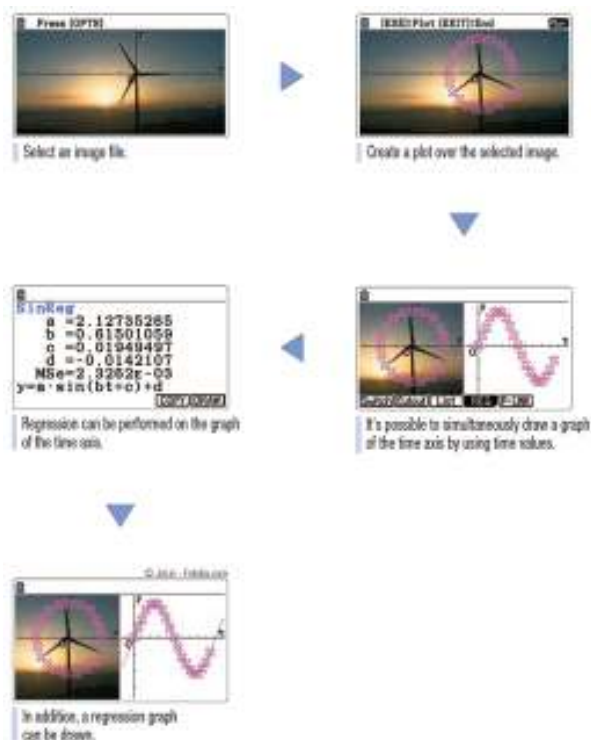
If you have a FX-CG20 then the present arrangement for the picture data change is for you to e-mail the picture you would like converted to load onto the handheld calculator please use the e-mail address:

[cg20-pics@casio.co.jp](mailto:cg20-pics@casio.co.jp)

For some illustrations of the integration of pictures and modelling the equations and graphics this calculator is capable of see:

[http://www.casio-intl.com/asia-me/en/calc/scientific/graphic/fxcg20/?m\\_no=286](http://www.casio-intl.com/asia-me/en/calc/scientific/graphic/fxcg20/?m_no=286)

An example is illustrated here.



## Worksheets downloaded off the web.

Visit Monaco Corporation and Graphic Technologies websites to view and download worksheets. There are links to other informative mathematics education websites too. For teachers we currently offer a large number of 'classroom ready' resources available and are designed primarily for the CASIO® FX82AU, FX9750Gii, FX9750G, FX9750G+, CFX9850GB, CFX9850GB+, CFX9850GC+, FX9750GA+ and FX9750Gii models of graphical calculators and the ALGEBRA 2.0. There is also a variety of activity sheets designed for the ClassPad300, 300+, 330A and 330A+ models. All of the activities and worksheets are designed for beginners to advanced users of the GC and CAS. More have been added to the website since the last newsletter.

Please visit: [www.casio.edu.monacocorp.co.nz](http://www.casio.edu.monacocorp.co.nz) and <http://graphic-technologies.co.nz>.

## A last word!

Well again, that's all I can fit onto the 4 pages! Enjoy the term! Hope to see you at some workshops or hear from you via this newsletter or otherwise! If you would like to contribute or have suggestions as to what you would like to have discussed via this medium, please do not hesitate to contact us either by snail - mail, email, website, telephone, text or fax.

**Derek Smith**  
**Graphic Technologies**  
**73 Viewmont Drive**  
**Lower Hutt 5010**

**Phone: (04) 569 1686**  
**Fax: (04) 569 1687**  
**Mobile: 027 460 2871**  
**Website: <http://graphic-technologies.co.nz>**

*Would you like to receive this mailout electronically?*  
*Please email your request to: [graph.tech@xtra.co.nz](mailto:graph.tech@xtra.co.nz)*

