Information Communication Technology Educators of NSW (ICTENSW) Incorporated

ABN 27 567 884 887   http://www.ictensw.org.au/   secretary@ictensw.org.au

Computing Studies and Digital Technologies workshops *New Location*

Date: Monday 13th October 2014 Time: 4pm to 9pm - Dinner included

Venue: Tara Anglican School for Girls; Masons Drive, North Parramatta NSW 2151

How to get to Tara

Driving from Carlingford toward Parramatta, turn right at the first traffic lights after The King's School.

Driving from Parramatta towards Carlingford/City, turn left at the first traffic lights on the left after the James Ruse Drive exit. (Map - https://goo.gl/maps/F2618)

Park in the staff car park and then proceed to Claridge Library - Download a map of the school grounds.

Cost (no GST)   **$45** for Members   **$55** for non-members   **$30** for university students

Closing Date: Friday – 1st August 2014

Agenda

4.00pm to 4.40pm: Afternoon Tea, Registration and Welcome (Claridge Library)

4.40pm to 6.40pm : Session 1. (2 hours)

6.45pm to 7.45 pm : Dinner

7.45pm to 8.45pm : Session 2. (1 hour)

Afternoon Tea and Dinner are provided - accurate numbers are essential for catering.

Event Webpag (online registration)

October Workshops

Session	Computing	Computing	General Primary	ICT
Session 1 from 4:40	Using Pygame with Python *Nicky Ringland/Georgina Wilcox*	More Appinventor 2 - Samantha Pennington	More Google Apps for Assessment, Collaboration and Engagement *Abi Woldhuis*	Indesign *Emma Lord*
Session 2 from 7:45	Teaching coding through the NCSS Challenge *Leanne Cameron, Nicky Ringland/Georgina Wilcox*		Using Google tools in the primary classroom *Eric Land*	Connected Learning - Kelly Sutton and Kelly Hobson

Registration

Register online - http://www.ictensw.org.au/. Registration is confirmed when payment is received.

Payments

PayPal is the preferred payment option. This payment option will ensure automatic registration and receipting. Other payment options include mailing the invoice with payment or electronic transfer payments. Please register on the ICTENSW website to generate your invoice and for electronic payment details - http://www.ictensw.org.au/.

Need help - please contact the treasurer - treasurer@ictensw.org.au or secretary secretary@ictensw.org.au

NSW Institute of Teachers Endorsed Workshops

The ICT Educators of NSW is a NSW Institute of Teachers' endorsed provider of Institute registered professional development for the maintenance of accreditation at Proficient Teacher/Professional Competence.

Workshop Descriptions

Using Pygame with Python - Nicky Ringland and Georgina Wilcox

Pygame is a set of Python modules designed for writing games. Pygame adds functionality on top of the SDL library which allows you to create fully featured games and multimedia programs in the python language. Pygame is highly portable and runs on nearly every platform and operating systems. Under its GPL License, you can create open source, free, freeware, shareware, and commercial games with it. During this session Nicky Ringland and Georgina Wilcox will outline how they are using Pygame and demonstrate ways it might be suitable to employ in the classroom.

Teaching coding through the NCSS Challenge - Leanne Cameron, Nicky Ringland and Georgina Wilcox

The NCSS Challenge is a programming competition for secondary school students. It's been running in Australia for the last 9 years, and it is open to everyone who wants to learn to code in Python 3.3. Python is an easy to learn scripting language used for many different purposes such as web applications and scientific research. Companies like Google, Facebook and Reddit all use Python in their infrastructure and web services.

The Challenge will teach you how to program as it goes along, or, if you're a seasoned coder, we have something for you too – the problems range from relatively simple to mind-bendingly hard.

In this session, the basics of the competition will be described, and the logistics of how you can get class groups involved will be outlined. Leanne Cameron will outline how the competition has been handled by her students who ranged from those with no programming experience at all, to experienced programmers who have been working in the industry. Members of the Grok Learning team who develop the questions and administer the Challenge will also be there to answer any questions you may have

More on using AppInventor 2 - Sam Pennington

In this session presented by Samantha Pennington, participants will learn how to create apps using AppInventor2. Participants will explore the new interface that Massachusetts Institute of Technology (MIT) has created to look more like Scratch. The screen design has several new features to explore and all of the programming is now done in the blocks editor which is easily accessible from the browser. Many tutorials are available online through MIT. In this workshop, Sam will include some new and reworked examples not seen in her previous workshops.

More on Using Google Apps for Assessment, Collaboration and Engagement - Abi Woldhuis

Don't have time to explore all the latest upgrades and Googly goodness in Google Apps? Come and learn how to incorporate Google Apps into the everyday classroom. Building on her successful workshop held last term, this session will be a more hands-on session where Abi Woldhuis will have you starting their own google docs, maps, forms etc.. so you really learn how they work. She will also explore some of the add-ons, using forms and sheets for assessment, feedback and record keeping. Participants will also discover some of the amazing apps and extensions available for free from the Chrome store. These are incredibly useful for learning, teaching and giving students meaningful feedback. Bring your own device, bring your sense of adventure and prepared to take away tips, apps and extensions that can be used in your classroom tomorrow.

Using Google tools in the Primary classroom - Eric Land

The session, presented by Eric Land, will have two concurrent elements: The first is aimed at developing technical skill and knowledge in the use of Google Sites, Forms, Mapping tools and other Google Apps for Education cloud tools. The second element of the session will be the modelling of the use of these tools in the classroom. This element will cover aspects of the Digital Technologies curriculum as well as the Learning Across the Curriculum area "Asia and Australia's engagement with Asia". Participants will take the role of students undertaking an inquiry learning project that will culminate in the production of a collaborative website, featuring embedded rich media, text and images.

InDesign - Emma Lord

Adobe InDesign is publishing software that can be used to create posters, flyers, brochures, magazines, newspapers and books. It also supports export to EPUB and SWF formats to create e-books and digital publications, including digital magazines, and content suitable for use on mobile devices. Presenter Emma Lord introduces Indesign to her students by going through layers, shapes, text, placing items, saving images, and text formatting skills. After some basic skills she then gives her students a PDF of a leaflet and a selection of images. They have to create this leaflet as closely as possible using the skills that they have learnt.

The session is a practical software skills lesson using InDesign from introduction to producing a leaflet. This is then developed further so participants create their own publications for purpose, master pages for portfolios and see how these skills can be used in the IST curriculum and the ITM.

Connected Learning Kimberley Sutton & Kelly Hobson

Kimberley and Kelly are looking at the use of Skype, Today's Meet, Google Hangouts and Twitter to see the ways students, schools and teachers can learn and connect.