

Computing Studies and Digital Technologies workshops

New Location

BYOD Event - Laptops preferred

Date: Monday 29 May 2017 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 the Science Lecture Theatre - [Download a map of the school grounds](#).

Cost (no GST) **\$50** for Members **\$90** for non-members **\$20** for university students

Closing Date: Friday 26 May 2017

Agenda

3:45pm to 4.15pm: Afternoon Tea, Registration and Welcome (Lecture Theatre)

4:15pm - 4:45 : Introducing the Australian Computing Academy - James Curran

4.45pm to 6.45pm : Session 1. (2 hours)

6.45pm to 7.30 pm : Dinner

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

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

[Event Webpage \(online registration\)](#)

October Workshops

Session	Computing/Digital Tech	Computing/Digital Tech	Primary/Secondary	Primary
Session 1 from 4:45	BBC Micro:bits <i>Sarah Fonso</i>	Flappy Bird with GameMaker <i>Samantha Pennington</i>	Creating Apps using Touch Develop <i>Tony Shen</i>	Enhancing teaching and learning in the primary classroom with technology <i>Nicole Holgersson</i>
Session 2 from 7:45	Digital Technologies: Teacher confidence and developing a growth mindset culture <i>Emma Lord</i>	STEM Drones - Building and developing in the classroom <i>Rene Mercer</i>	Putting the M into STEM and the A into STEAM <i>Bronwyn Moreton</i>	DigitalTechnologies in the early years for the complete beginner <i>Dr Nicky Ringland</i>

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 NESA endorsed provider of Institute registered professional development for the maintenance of accreditation at Proficient Teacher/Professional Competence. Completing the ICTENSW workshops on May 29 2017 will contribute to 3.5 hours of QTC Registered PD addressing 6.2.2; 6.4.2; 7.4.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

Workshop Descriptions

BBC Micro:bits Presenter: Sarah Fonso

The micro:bit is fun to use both in and out of the classroom - designing code and building gadgets are great ways to build a better understanding of ICT and electronics as well as giving computational thinking a boost. This is a practical workshop where you will have an opportunity to work with Micro:bits, run through practical lessons you can use with students. Costing and sourcing will also be covered as well as student resources and teaching programs.

Flappy Bird with GameMaker Presenter: Samantha Pennington

Make a quick easy Flappy bird game. Simple Drag and drop features make it easy to make a game quickly and easily. Also we look at how to convert Torah and dropBto actual code with a program called ultimate D&D to GML converter. GML is the language that underpins Gamemaker.

Creating Apps using TouchDevelop Presenter: Tony Shen

This session will introduce participants to the Microsoft TouchDevelop universe. TouchDevelop allows you to create apps everywhere on all your devices! For Windows Phone and the web. In the TouchDevelop programming environment you write scripts by tapping on the screen. Any TouchDevelop user can install, run, edit, publish scripts. You will gain experience and practical ideas about how to use this resource in your classroom.

Enhancing teaching and learning in the primary classroom with technology Presenter: Nicole Holgersson

A practical hands on session for the primary school teacher covering tools for both teaching and learning. Nicole will be sharing with you both her successes and failures as she has worked to integrate technology in a 1:1 environment. There will be the opportunity for participants to trial a range of technologies to support both organisation and learning for a range of outcomes.

Digital Technologies: Teacher confidence and developing a growth mindset culture Presenter: Emma Lord

Do you look at the new technologies curriculum and wonder how are you going to teach the content? How are you going to encourage teachers in your department to teach the content? This session will be a learning journey of encouragement for both teachers and the students they teach. How can you develop your confidence and that of other staff to develop new skills? The magic of how you can creatively figure out how to bridge the gap between your limited current knowledge base and where you would like to be.

STEM - Drones: Building and developing in the classroom Presenter: Rene Mercer

Teach your students how to fly!! A practical session including information on sourcing parts, costing and expected delivery time to build drones in your classroom. Discussion on how drone building and using drones can be incorporated into teaching and co-curricular programs.

Putting the M into STEM and the A into STEAM Presenter: Bronwyn Moreton

In this workshop we'll put the "M" into "STEM" and the "A" into "STEAM" by having a closer look at how streams of 0s and 1s are used in computer graphics. Young mathematicians use decimals all the time, so why not introduce them to the beauty of binary and the power of hexadecimal? Some say mathematics is #000000 and #FFFFFF, but what about all the HTML colour codes in between? Come along and put some colour in your mathematics classes. Suitable for Primary and Secondary Teachers.

Digital Technologies in the early years for the complete beginner Presenter: Dr Nicky Ringland

No technology background? Lacking the confidence of how you can inspire young minds and use technology in the early years? This is the workshop for you. You need no previous experience but you will leave with ideas and confidence.