Macquarie ICT Innovations Centre presents

Coding in the Classroom

Using digital media technologies to enhance learning and teaching

BOSTES Registered Teacher Professional Learning Course

Coding is becoming an increasingly important skill for 21st century learners. By learning to code, students are also learning mathematical and computational thinking, strategies for problem solving, systematic reasoning, project design and how to effectively communicate their ideas.

Researchers at MIT, including Mitch Resnick and Karen Brennan from the Lifelong Kindergarten Group, believe coding is an important skill for all primary students. In addition to its application within the Science and Technology syllabus, coding is increasingly being applied in a cross-curricular capacity, connecting to learning areas such as Mathematics, HSIE and Creative Arts.

Completing this course will contribute 10 hours of QTC Registered PD addressing 2.1.2, 2.6.2, 3.4.2, 6.3.2, 7.4.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

This introductory level course is comprised of two parts - a workshop day (5.5hrs) and a follow-on component (4.5hrs).

Teachers will be shown how to incorporate coding in cross-curricular activities, and be introduced to a variety of visual programming languages using tablet apps and other software. During the workshop, participants will:

> gain experience with a range of coding platforms to use in classrooms, including software for tablets and desktop computers
> discover coding as means to develop computational thinking, strategies for problem solving, systematic reasoning, project design and the communication of ideas
> explore ways to incorporate coding into cross-curricular activities.

The follow-on component for this course is an opportunity for you to take what you learned during the workshop and apply it to your own context. For the follow-on, participants will :

> create and document a lesson that integrates coding into a unit of work currently being taught in the classroom
> share their lesson to an online community & interact with other teachers
> complete a personal reflection piece and a course survey.

COURSE FACILITATOR
Evan Bonser

Evan is a MacICT developer and facilitator who also works part-time as an ICT Integrator in Sydney. He began his university training in Mechatronics (robotics) before changing to complete a Bachelor of Education degree. Evan has taught in a variety of educational environments ranging from mainstream settings across public and private sectors including Special Needs and Hospital Schools where he taught K-12 across the curriculum. He has developed and implemented several apps and games in his teaching to meet the needs of his students.

ENROL NOW!

Register online through MyPL@EDU
https://www.det.nsw.edu.au/docprs/welcome.do
MyPL Course Code: RG00233

NSW DoE teachers: Log into MyPL@Edu with your DoE credentials & search for the course using the above code or course title. Government schools will be charged internally by the NSW Department of Education. This will be reflected on your sundry tax invoice statement.

Non-DoE teachers: You will need to sign up for a username and password to access MyPL. Just click "Don't have a username" on the MyPL website and follow the instructions. Private schools and other institutions will be invoiced by the NSW Department of Education.

Please note: Any cancellations made within 5 days of the course, or no-shows, will be charged to your school.

WHO	All teachers K-6
WHEN	Please see our website for upcoming dates: **www.macict.edu.au**
TIME	9am-3:30pm
LOCATION	North Ryde, NSW
COST	$285 (incl GST)
CONTACT	macictsupport@det.nsw.edu.au Phone: 02 9850 4310