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

During the workshop, participants will explore:

- the role of ICT to support the teaching of key ideas & conceptual development throughout the maths syllabus
- current research to evaluating and selecting better technology for maths teaching
- a variety of apps that will excite students and bring mathematics to life while promoting higher order thinking skills
- the use of code to teach mathematics concepts
- how infographics can be used to creatively engage students in data analysis.

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 a lesson or sequence of lessons including curriculum outcomes for their class/group.
- share their lesson to an online community & interact with other teachers
- complete a personal reflection piece and a course survey.

Macquarie ICT Innovations Centre presents

Bringing Mathematics To Life
Integrating ICT into the Mathematics K-6 NSW Syllabus for the Australian Curriculum

BOSTES Registered Teacher Professional Learning Course

Many teachers of mathematics in the K-6 classroom often have little opportunity to explore new and exciting ways to integrate ICT into mathematical teaching and learning. This course offers teachers an opportunity to extend ICT integration beyond drill and practice of basic facts.

The increasing variety and sophistication of software and apps available today allow primary teachers to really enhance and extend learning in Mathematics from remembering and understanding to creating and evaluating. In this introductory workshop, we will show teachers how to use technology in innovative ways to more deeply engage students and meet the learning outcomes from the K-10 syllabus.

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Dr Sarah Boyd
Sarah is a LEGO® Robotics facilitator and part-time high school teacher of Computing and Mathematics. She has recently retrained as a teacher having had a long career as a software programmer and Electrical Engineer. She began facilitating at MacICT in 2014 where she combines her engineering and programming background with her love of teaching. She completed her PhD in Computer Science at Macquarie University in 1999.

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

ENROL NOW!
Enrol online through MyPL@EDU
MyPL Course Code: RG00445

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.

“THE MOST IMPORTANT THING WE CAN DO IS INSPIRE YOUNG MINDS TO ADVANCE THE KIND OF SCIENCE, MATH AND TECHNOLOGY EDUCATION THAT WILL HELP YOUNGSTERS TAKE US TO THE NEXT PHASE OF SPACE TRAVEL”

John Glenn
Aviator, engineer, astronaut)

Completing this course will contribute 10 hours of QTC Registered PD addressing 2.6.2, 3.3.2, 3.4.2, 6.2.2, from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

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