

Macquarie ICT Innovations Centre presents

# Bringing Science to Life: Integrating ICT into K-6 Science

## BOSTES Registered Teacher Professional Learning Course

The new NSW K-10 Science and Technology Syllabus mandates the integration of ICT to support a range of teaching, learning and assessment approaches. This provides great scope for the integration of new and emerging technologies in the design of immersive, authentic learning. Portable information gathering and processing opportunities, massive online databases and learning experiences based on individual strengths, all lend themselves to quality science teaching and enhanced learning opportunities for students.

Children have an ingrained curiosity to pursue scientific enquiry. All of our technology today is a direct result of that curiosity. It is only fitting that we use it to enhance children's learning opportunities and amplify their curiosity.

**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:

- » gain confidence and ability to integrate ICT meaningfully into learning and teaching to support the aims and objectives of the new Science K-6 syllabus
- » use a variety of apps and software to explore science concepts, and create products that demonstrate evidence of learning
- » engage with real science and confidently work with a range of information and communication technologies, and
- » explore current research and investigate pedagogical strategies that encourage students towards meaningful engagement in scientific thinking and scientific awareness.

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 :

- » re-design a lesson or sequence of lessons from a Science unit of work you that they intend to teach, which meaningfully integrates technology
- » share their lesson to an online community & interact with other teachers, and
- » complete a personal reflection piece and a course survey.

"Science is not formal logic—it needs the free play of the mind in as great a degree as any other creative art. It is true that this is a gift which can hardly be taught, but its growth can be encouraged in those who already possess it."

- Max Born (1882-1970)  
German Physicist, Nobel Prize Winner 1954.



Completing this course will contribute 10 hours of QTC Registered PD addressing 2.6.2, 3.3.2, 3.4.2, 5.1.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

### Course Developer & Facilitator

Neville Fraser

Runner-up to the 2014 Prime Minister's Award for Primary Science Teaching, Neville Fraser has over two decades experience using ICT in education, starting with setting up the first regional network of computers in the early 80s. Until his recent retirement, Neville hosted a science museum and planetarium at his school. Having been a director of the NSW Computer Education Group, councillor with STANSW and primary rep for ASTA, he brings a wealth of knowledge and experience to blending science teaching with ICT.



### REGISTER NOW!

Register online through MyPL@EDU  
<https://www.det.nsw.edu.au/docprs/welcome.do>

**MyPL Course Code: RG00173**

**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 2 days of the course, or no-shows, will be charged to your school.

**WHO** K-6 teachers

**WHEN** Please see website for dates  
[www.macict.edu.au](http://www.macict.edu.au)

**TIME** 9am-3:30pm

**LOCATION** North Ryde, NSW

**COST** \$285 (incl GST)

**CONTACT** [macictpsupport@det.nsw.edu.au](mailto:macictpsupport@det.nsw.edu.au)  
Phone: 02 9850 4310

