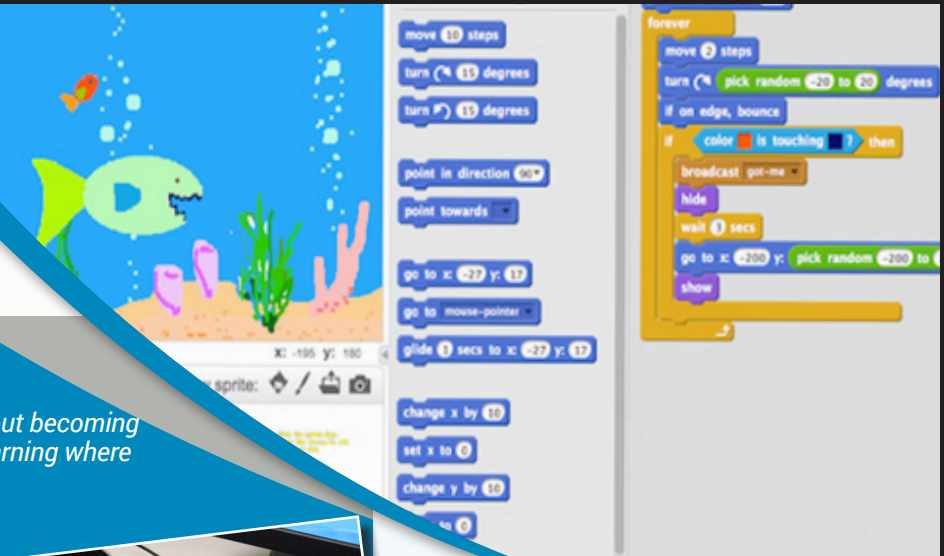




MacICT presents

CODING IN THE CLASSROOM



Coding Boot Camps - suitable for students in Years 2 to 6

At MacICT we believe that learning how to use technology is not enough; the heart of 21st century learning is about becoming a proficient and independent lifelong learner. Our activities promote this through an inquiry-based approach to learning where students are encouraged to collaborate and be creative in solving open-ended challenges.

“When you learn to read, you can then read to learn. And it’s the same thing with coding. If you learn to code, you can code to learn.”

- Mitch Resnick, MIT Media Lab

Coding is becoming an increasingly important skill in 21st Century life as technology becomes more integrated into our everyday activities. By learning to code, you build skills in mathematical and computational thinking, problem solving, systematic reasoning, project design and the communication of ideas.

No longer simply the realm of Science or Technology classes, coding is increasingly finding a place across a wide range of syllabuses, such as Mathematics, HSIE and even the Creative Arts. By understanding how to code, students do not just learn how to make software - they begin to explore how the world around them works.

INTRODUCTORY BOOT CAMP

MacICT is offering student Boot Camps (excursions) on coding for the classroom. Through this introductory boot camp, students will explore coding through a range of activities involving both “unplugged” (off-computer) activities and the use of a small range of mobile and web apps. All apps introduce students to visual programming languages. Students will:

- develop an understanding of why learning to code is important.
- practice computational thinking skills, strategies for problem solving, systematic reasoning, project design and the communication of ideas.
- experiment with visual programming languages through fun activities involving mobile and web (Internet-based) apps.
- create interactive projects such as games, animations, and artworks.
- use coding to complete projects through project-based, cross-curricular activities.



HOW TO BOOK

Contact the Centre to arrange a date:

macictsupport@det.nsw.edu.au
(02) 9850 4310

WHEN Tuesdays and Thursdays during school terms

TIME 9am - 2:30pm

LOCATION Macquarie ICT Innovations Centre
Building C5B
Macquarie University
North Ryde NSW

STUDENT NUMBERS We can take a maximum of 30 students in a class.

COST Flat rate of \$528 inclGST per class of up to 23 students.

An extra \$22 will be charged per additional student. Class size is capped at 30 students.

PAYMENT Government schools will be charged internally by the NSW Department of Education and Communities. This will be reflected on your sundry tax invoice statement.

Private schools will be invoiced by the NSW Department of Education and Communities.

Note: any cancellations made within 2 days of the excursion would incur a \$200 cancellation fee.



MacICT

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