



python™

# Introduction to Python Programming

Intro to the *Python* programming language - suitable for stage 4+

Teacher Professional Learning Workshop (5.5 non-registered hours)

For students today, coding is becoming an essential skill, just like reading, writing and mathematics. Being introduced to coding gives students an appreciation of what can be built with technology. We live in a digital world. Understanding how technologies work and the imagining of new devices/services are both enhanced by learning the skill of coding.

Not everyone taught coding will become a 'coder' or have a career in information technology just as not every student who is taught visual arts will become an artist.

'Code' is a tool that enables students to write stories with technology. If students can code, they can bring their ideas to life in bigger, brighter, and more creative ways using a computer or program.

*"Everybody in this country should learn to program a computer, because it teaches you how to think"*

– Steve Jobs

## Course Developer & Facilitator

Dr Sarah Boyd

Sarah is a MacICT 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 has a PhD in Computer Science, and began facilitating at MacICT in 2014 where she combines her engineering and programming background with her love of teaching.



This workshop will support participants in getting started with *Python's* fast, object-oriented programming language. *Python* has a low barrier to entry and is supported by a large online community. Its code is used in programs and software that touch every aspect of our lives.

### Participants will:

- » explore the available tools
- » load and modify an existing game or activity
- » build confidence by completing guided *Python* programming activities
- » begin work on an 'Open Ended Project' section after lunch.

## REGISTER NOW!

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

MyPL Course Code: DV03157

**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** Aimed at High School teachers but appropriate for some Primary 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** \$245 (inclGST)

**CONTACT** [macictsupport@det.nsw.edu.au](mailto:macictsupport@det.nsw.edu.au)  
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