



# GIRLS' PROGRAMMING NETWORK

Do you want to learn how computers really work? Do you want to write programs that do what you want? Do you want to improve your programming skills for Software Design and Development and meet other girls also interested in IT? Then the Girls' Programming Network is for you!



## ABOUT GPN

The Girls' Programming Network (GPN) is a program developed and run by girls for girls.

Managed by a group of female IT students from the University of Sydney, GPN is run each term for high school girls interested in IT, particularly those interested in learning to program and improving their software development skills.

Each week you learn about exciting different topics in computer science, ranging from Cellular Automata to Artificial Intelligence.

You will also learn to program in Python and get hands-on experience writing computer programs that do what you want! Last year, GPN students put their skills to use writing chatbots that could enter a chat room and talk to participants.

GPN is also a unique opportunity to meet new friends with similar interests, find mentors, and find out about university life.

## WHAT IS PYTHON?

Python is an easy to learn programming language that can be used on many different computers and operating systems, including Apple Macs, Unix/Linux and Windows.

Python is perfect for explaining concepts in SDD and is the language used in NCSS and the NCSS Challenge. The University of Sydney also teaches Python in its first year course, Informatics (Advanced).

Think Python sounds like a soft version of programming? Think again! Python is used in the real world by Google, YouTube, Yahoo, CERN and NASA. It's commonly used in web applications and for scripting in 3D Animation as well as in games such as Civilization IV and Eve Online.

## COST

\$55 per term (including GST). This gives you access to all of the teaching resources and our online learning system.

## WHY GPN?

GPN is a great way to improve your programming skills for the HSC Software Design and Development course as the tutors will cover the programming-related syllabus topics while teaching you to program in Python.

GPN will also prepare you for the National Computer Science School (NCSS) over summer and the NCSS Challenge which runs in Term 3.

You will be able to learn at your own pace while working one-on-one with tutors.



Students work one-on-one with tutors.



*GPN gives highschool girls the chance to meet new friends with similar interests, find mentors, and find out about university life.*

## DATES

GPN runs every school term, usually starting in the second week of term.

It's a friendly, interactive atmosphere where questions are more than welcome, with lots of chatting and snacks!

### 2011 — Term 1

Meetings run from 4:30pm until 6:30pm in the undergraduate labs on level 1 of the School of IT at the University of Sydney. The dates for the meetings this term are as follows:

Tuesday 15 February  
Tuesday 22 February  
Tuesday 1 March  
Tuesday 8 March  
Tuesday 15 March  
Tuesday 22 March  
Tuesday 29 March  
Tuesday 5 April

If you cannot make it by 4:30pm due to other commitments or transport issues you are more than welcome to show up later, and a tutor will step you through what you have missed.

## REGISTRATION

First name

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Last name

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School

School year

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Email

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Phone no

Mobile no

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Address

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Suburb

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State

Postcode

Dietary  
Requirements?

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Did a teacher recommend the Network to you? YES / NO

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If YES please provide your teachers name and the subject they teach:

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If NO, how did you find out about the Network?

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Please return this form, together with a copy of your most recent School report and cheque/money order (payable to The University of Sydney) to:

The Girls' Programming Network  
The School of IT, J12  
The University of Sydney NSW 2006

## FOR MORE INFORMATION CONTACT

T +61 2 9351 3423  
F +61 2 9351 3838  
E [sit.information@sydney.edu.au](mailto:sit.information@sydney.edu.au)  
[sydney.edu.au/it](http://sydney.edu.au/it)

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