

# Teacher PD in Technologies Technology and Engineering education (TAS)

Parkes Services Club Saturday 1st August



## Scratch 3.0 programming

- ▶ This provides a gentle introduction to computer programming (CODING)
- ▶ Where coding fits in the new Technology (Mandatory) Syllabus integrating the Australian Curriculum Digital Technologies.
- ▶ Resources and ongoing support provided.
- ▶ An excellent first step into coding that can then easily be extended.
- ▶ Face to face instruction from experienced providers.
- ▶ Participants will complete a range of exercises demonstrating how computer coding can be used to integrate learning across the curriculum.

\$350 including all meals and support

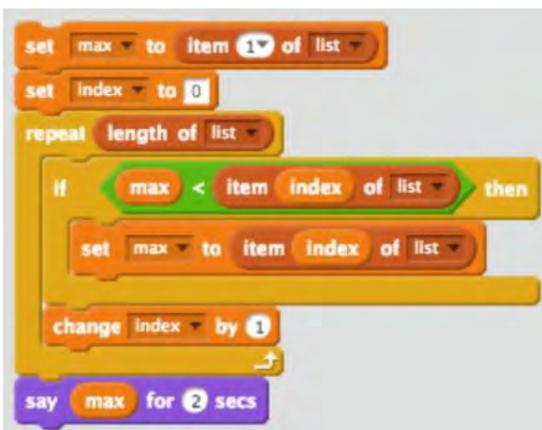
SCRATCH



computer programming suitable for years 4 to 8

- ▶ develop practical skills with tools, materials and processes while working safely, independently and collaboratively on design projects
- ▶ develop thinking skills when designing and producing digital and non-digital solutions
- ▶ develop and apply skills in project management and evaluation when designing and producing solutions.
- ▶ how traditional, contemporary and advancing technologies are used when designing sustainable products and solutions
- ▶ how data is used in the development and automation of digital solutions
- ▶ value the development of skills and gain satisfaction from their use to solve problems and create quality products.

### NESA OUTCOMES Technology Mandatory



- ▶ TE4-2DP, plans and manages the production of designed solutions
- ▶ TE4-7DI, explains how data is represented in digital systems and transmitted in networks
- ▶ TE4-4DP, designs algorithms for digital solutions and implements them in a general-purpose programming language (Scratch provides an excellent stepping stone for teachers new to coding before they delve more deeply into a GPL)

Relevant Syllabus Outcomes

# Don't Panic

## STEM Curriculum Support

visit the web site for more details

[www.dontpanic.net.au](http://www.dontpanic.net.au)

Professional Development for teachers delivered by experienced teachers

Don't Panic is endorsed to provide NESA Registered Professional Development for teachers accredited at Proficient Teacher.



Courses run from 8:30 (9am start) to 4pm all meals and resources are provided.

- ▶ Scratch is a visual programming language and online community targeted primarily at children. Using Scratch, users create their own interactive stories, games and animations, then share and discuss their creations with one another. (Wikipedia)