www.codeclubau.org
@CodeClubAus

Code Club Australia

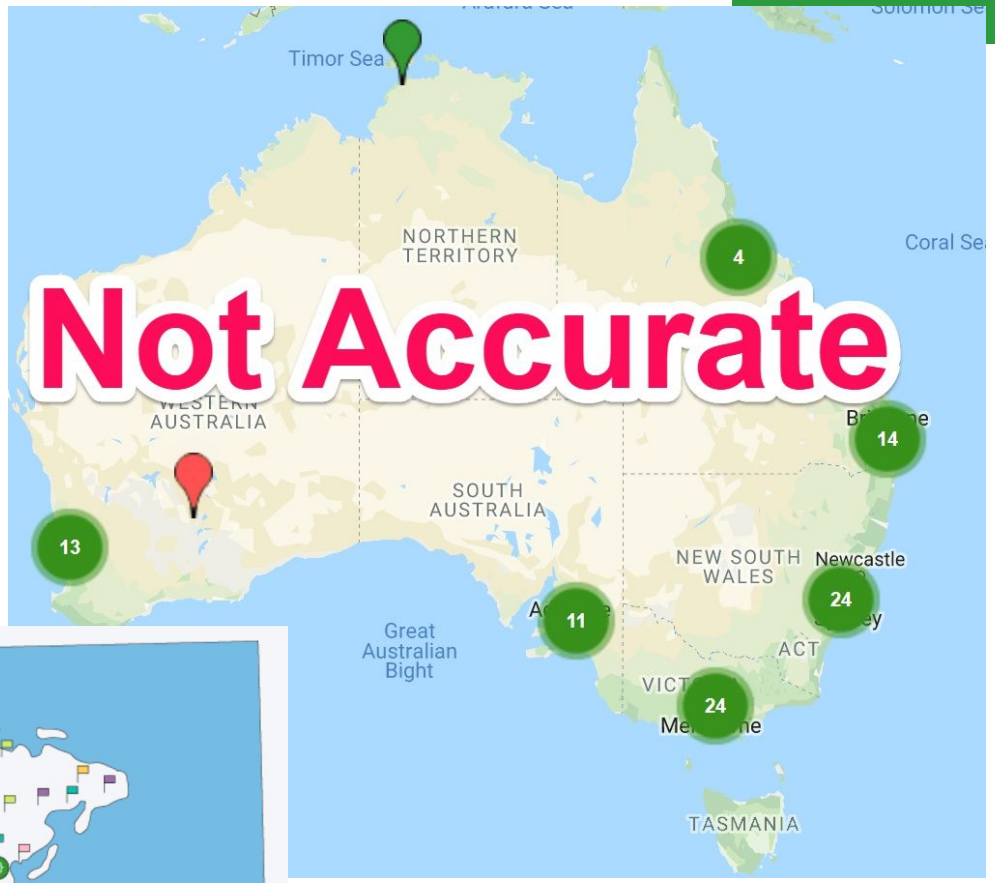
Agenda

In this talk…

- Code Club 101
- Recent initiatives
- Volunteering...not just teaching code
-

About me

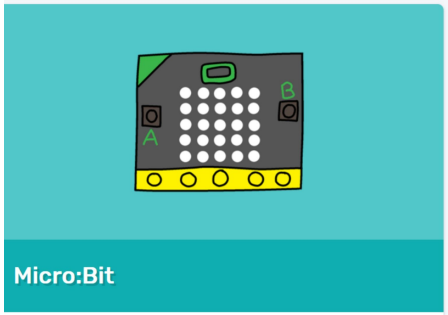
Code Club


Timor Sea
NORTHERN TERRITORY
Coral Sea
4
Not Accurate
WESTERN AUSTRALIA
14
SOUTH AUSTRALIA
13
NEW SOUTH WALES
Newcastle
24
11
Great Australian Bight
ACT
24
TASMANIA

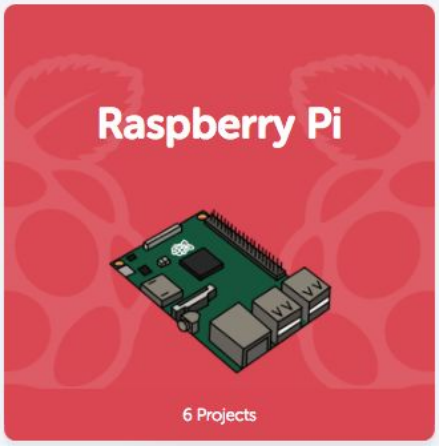
New Website

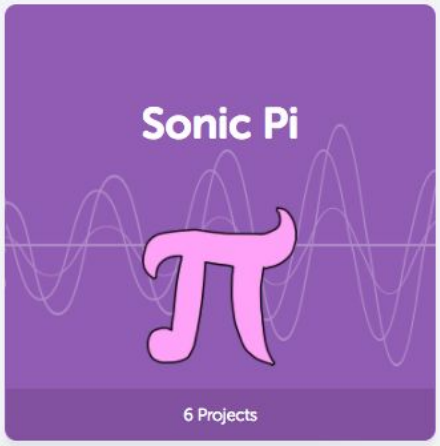

code club AUSTRALIA
Home About Us Get Involved Find a Club Workshops Resources Contact Us Login Register
Code Club Australia
Code Club Australia is a network of coding clubs for Aussie kids aged 8-15.
Who We Are
Code Club is a nationwide network of volunteer-led coding clubs with a mission to #getkidscoding! We are a charity with the aim of giving every child the skill, confidence and opportunity to shape their world. All Code Clubs are free to join, and are supported by volunteers, parents, educators and our partners.

Projects



The BBC micro:bit is a pocket-sized, codeable computer that allows you to get creative.





Teacher Training

Glenorchy , TAS
10th April

Glenorchy LINC
4 Terry Street
Glenorchy, TAS 7010

Register

Canberra, ACT
11th April

Telopea Park School
25 New South Wales Cres
Barton, ACT 2600

Register

Goulburn, NSW
12th April

Goulburn Mulwaree Library
184/194 Bourke St
Goulburn, NSW 2580

Register

Thomastown, VIC
2nd May

Thomastown library
52 Main Street
Thomastown, VIC 3074

Register

Bendigo, VIC
3rd May

Discovery Science & Technology Centre
7 Railway Place
Bendigo, VIC 3550

Register

Burnie, TAS
8th May

TBC
Burnie, TAS 7320

Register

Launceston (TAS)
10th May

TBC
Launceston, TAS 7250

Register

Rockhampton, WA
11th May

Capricornia School of Distance Education
241-259 Farm Street
Kawana, QLD 4701

Register

Armidale, NSW
23rd May

University of New England
Armidale, NSW 2351

Register

[Advanced Course]
Sydney, NSW
24th May

Customs House library
31 Alfred street
Circular Quay, NSW 2000

Register

Don't see a workshop near you?

Notify me when there is a workshop nearby

My venue can host a future workshop!

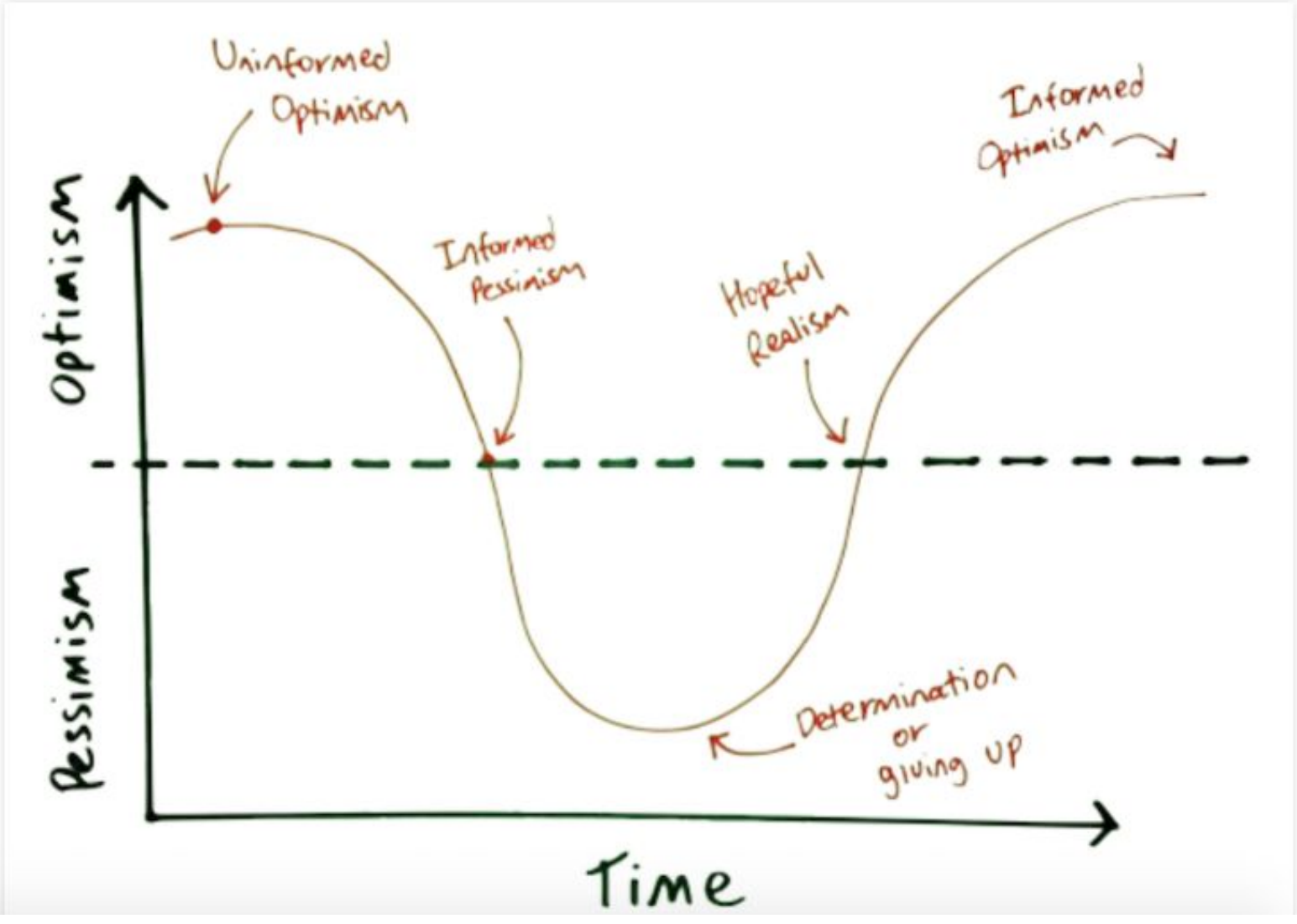
Volunteering… not just teaching code

Computational Thinking: The Farmer's Riddle

http://www.web-puzzles.net/2015/06/the-farmers-problem.html

Celebrate errors!

EMOTIONAL LEARNING CURVE



The Computational Thinkers

concepts

Logic
Predicting & analysing

Evaluation
Making judgements

Algorithms
Making steps & rules

Patterns
Spotting & using similarities

Decomposition
Breaking down into parts

Abstraction
Removing unnecessary detail

approaches

Tinkering
Changing things to see what happens

Creating
Designing & making

Debugging
Finding & fixing errors

Persevering
Keeping going

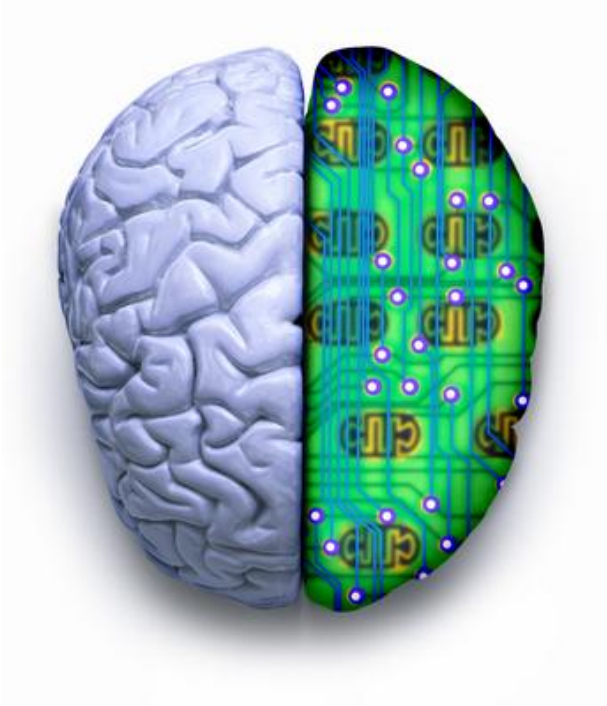
Collaborating
Working together

https://barefootcas.org.uk/barefoot-primary-computing-resources/concepts/computational-thinking/

Computational Thinking: Unplugged

Who is Smarter?
A human or a robot

Computational Thinking: Unplugged



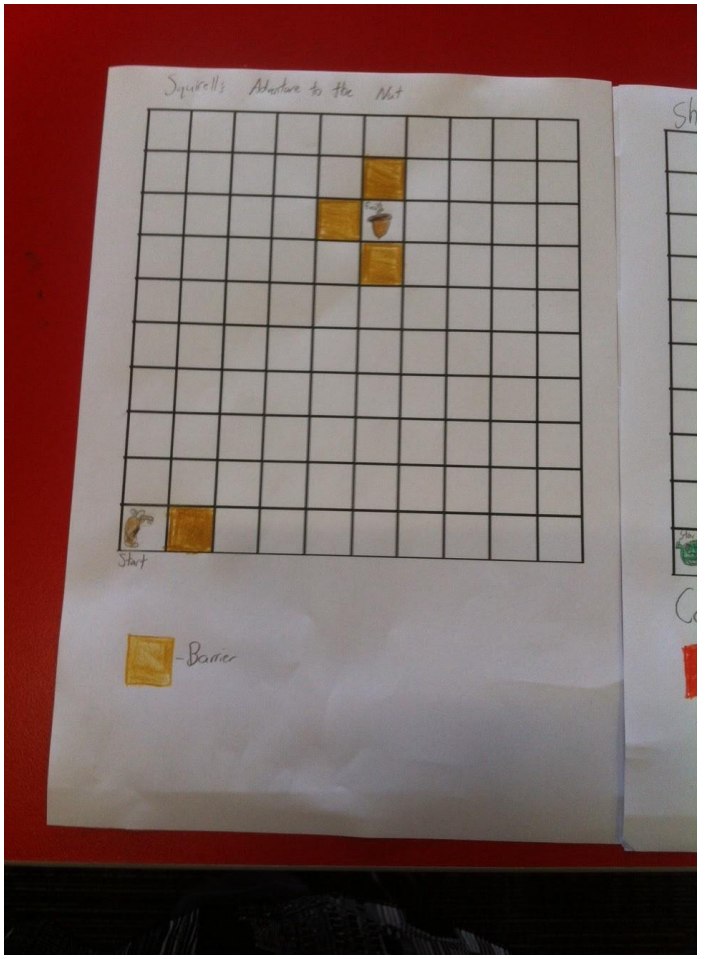
Activity

Before class place two pieces of paper at the back of the room.

- Have a student (human) retrieve the first piece of paper and bring it to the front of the room
- Tell the students “I am a robot” provide me with directions to do the same.

In the Classroom

Problem solving and storytelling activities



Paired Programming

Two roles:

- **Driver:** Types on the keyboard
- **Navigator:** Tells the driver what to do

What does your Code Club look like? Ideas

Scrum

Start each class with:
-- What did you do last time?
-- What are you planning to do this time?
-- What do you need to learn to accomplish this?

Resident Experts

Video Tutorials

What are your needs?

Final Conversations

- Future Events
- Facebook Group: Code Club Clubhouse