

Geek Girls

12 **Create a virtual pet using Scratch**

Jun Make a virtual pet and add animations and sound effects using Scratch programming language.



Coding

19 **Goldieblox kits**

Jun Designed specifically for girls, these engineering kits introduce basic engineering principles such as the pulley, axles and wheels, while building fun machines.



Engineering

26 **Ozobots**

Jun Use colour-based coding to draw paths for these mini robots to follow.



Robotics



Places for some activities are limited. Arrive on time to avoid disappointment.

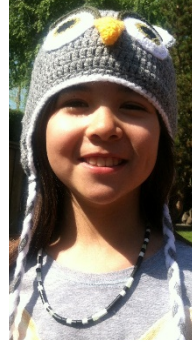
For more information contact Ms Keen at nkeen@pacluth.qld.edu.au

STEM activities for girls

Programme for Term 2

Tuesday lunch times in the library at 1pm.

17 **Binary code jewellery**
Apr Learn about binary code and make a necklace which spells out your name in binary.



Coding

24 **Jump rope engineering challenge**
Apr Work in groups to design and make a working jump rope out of only plastic bags and duct tape.



Engineering

1 **Archimedes screw**
May Get water from one place to another by making a simple machine - an Archimedes screw.



Engineering

8 **Mothers' Day cards**
May Make a light-up Mothers' Day card by creating an electric circuit using copper tape, LEDs and coin-cell batteries.



Electronics

15 **Build an art bot**
May Using recycled materials, build a simple robot which draws.



Robotics

22 **Pool noodle marble run**
May In teams, build a marble run that safely transports a marble from the top of the wall to the floor using pool noodles. Then, challenge other teams to try your run.



Engineering

29 **Virtual reality**
May Try our Google Cardboard VR viewers, play with the Leap Motion VR kit and use iPads to find the augmented reality sites around the library.



Virtual reality

5 **Create a house using Makedo**
Jun In teams, use Makedo tools, such as screws, hinges and saws, to create a house (or anything else you like) out of cardboard.



Engineering