

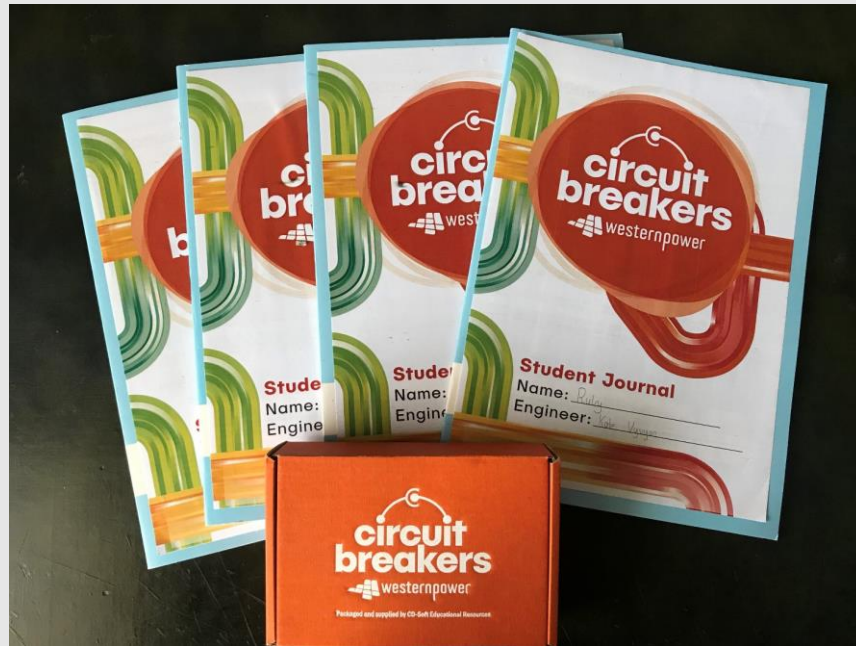
# CIRCUIT BREAKERS: 2020

Gairdner Primary School

# Our School

Gairdner Primary School is located in the Great Southern Region of Western Australia, between Jerramungup and Bremer Bay. The closest city is Albany, which is approximately 150km away. There is no town in Gairdner, just the school, a community hall, volunteer fire service and a few houses. The students of Gairdner come from the surrounding farms and arrive by bus.

There are 27 students at our school, split between 2 classes. The senior class (years 4-6) took part in the Western Power Circuit Breakers program this year.



# What we have learnt...

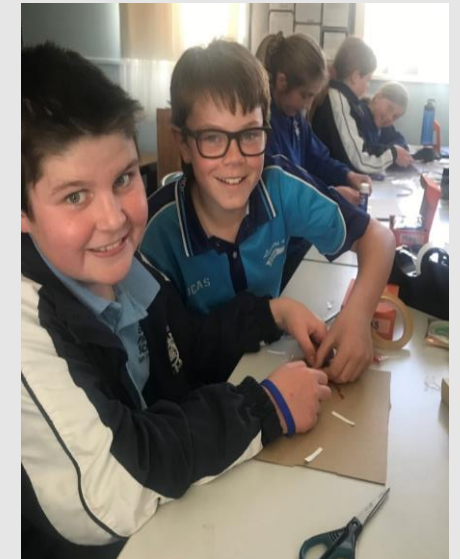
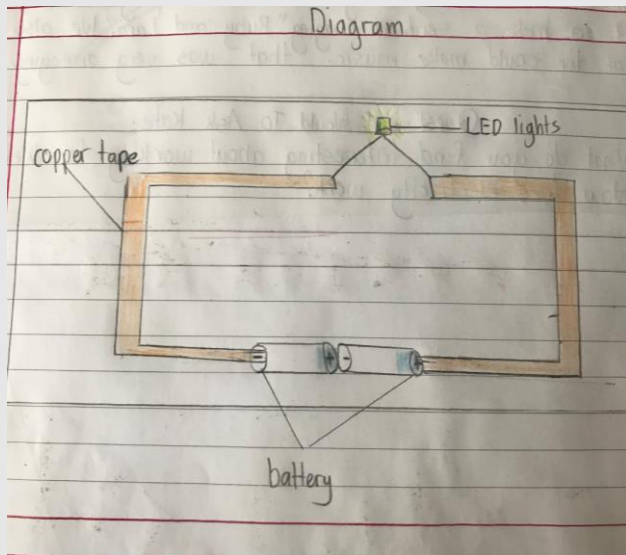
- A material that electricity flows through is a conductor and a material that electricity does not flow through is an insulator. – Harry
- People are conductors. – Ruby
- There are two types of electricity, static and current. - Amelia
- I learnt how to code and make games using the micro:bit. – India
- I know that we need to stay at least 8m away from fallen power lines. – Jack
- I learnt how to code using the micro:bit. – Lara
- The people who work at Western Power have lots of different jobs. – Max
- I learnt how to be safe with electricity. - India
- I learnt that making little 3D houses from cardboard is very fiddly. – Lara, Fraser, Lucas and Ruby
- I learnt how to make little Dr Seuss pom pom trees and how to paint a blue tree without getting blue paint on myself. - Abby

# What we enjoyed most...

- I enjoyed coding the mico:bits and using the planning sheet to design a town. – Violet
- I enjoyed doing all the different activities with the class. – Ruby
- I liked making the circuit using the copper tape, batteries and light. – Abby
- The best part of the Circuit Breakers program was coding the mico:bits and making the town. – Fraser
- I enjoyed making the reaction time game, painting the town and coding the micro:bit. – Lara
- I liked playing with the micro:bit and programming it to make annoying noises. – Lucas
- I enjoyed building the town model and playing with the micro:bit. – Amelia
- I liked doing the construction of the town. - Max

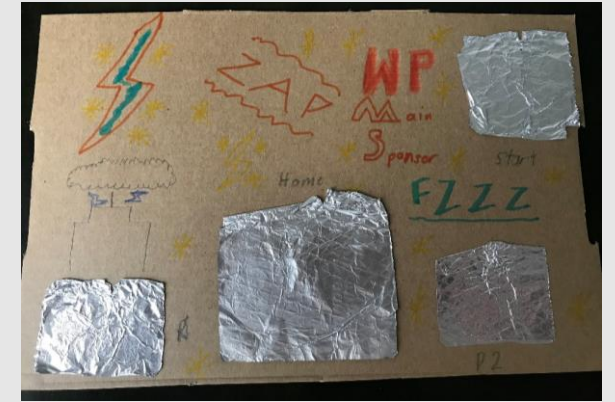


# Making A Circuit

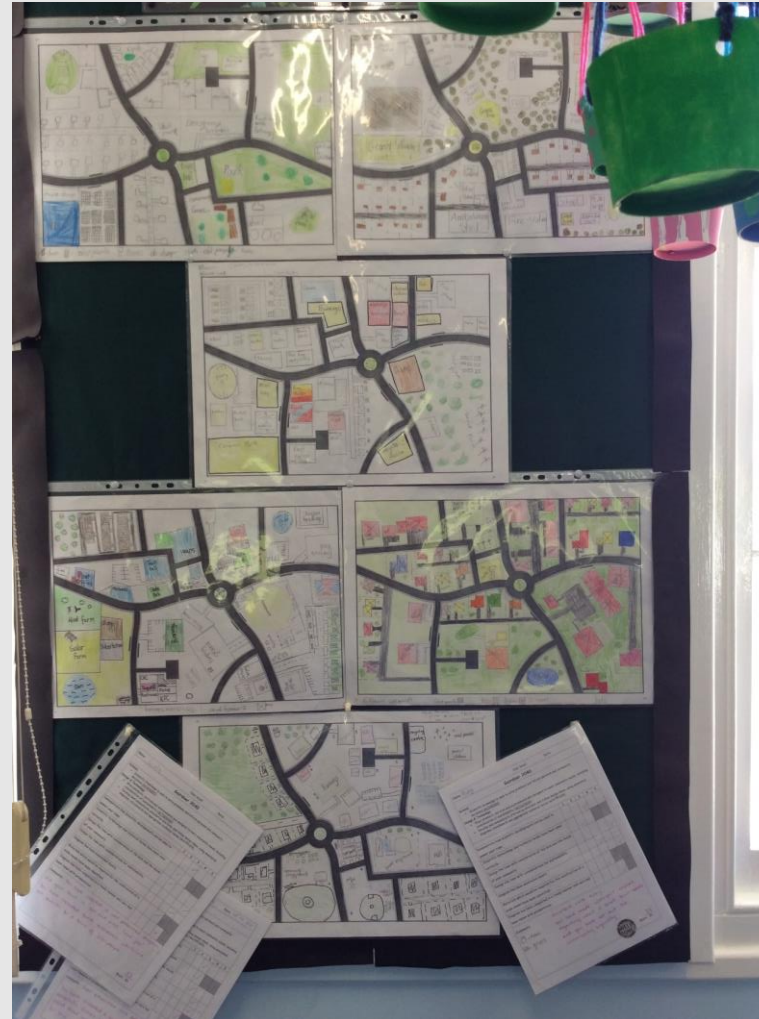
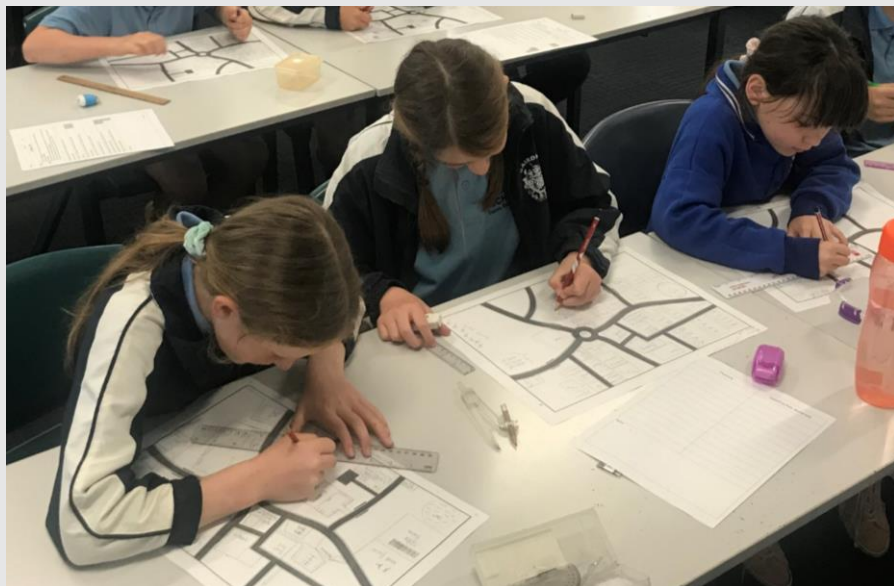
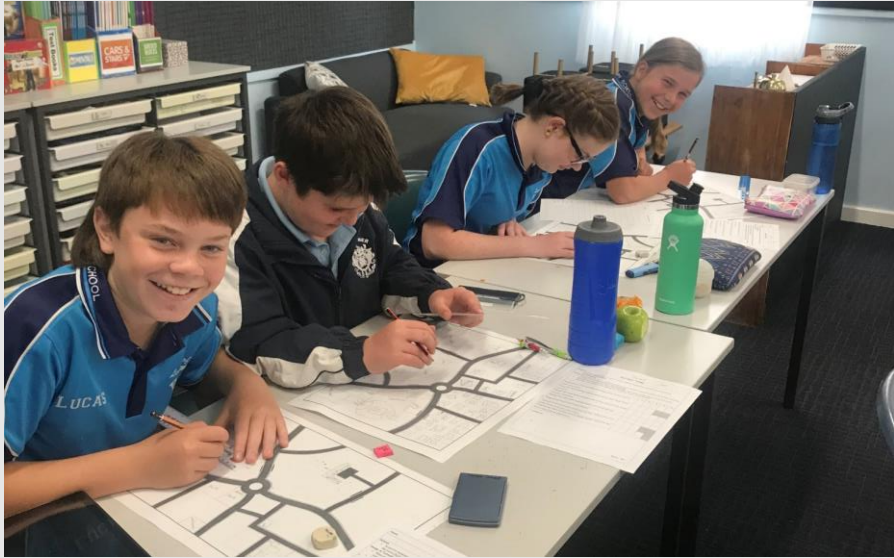




# Reaction Time Game

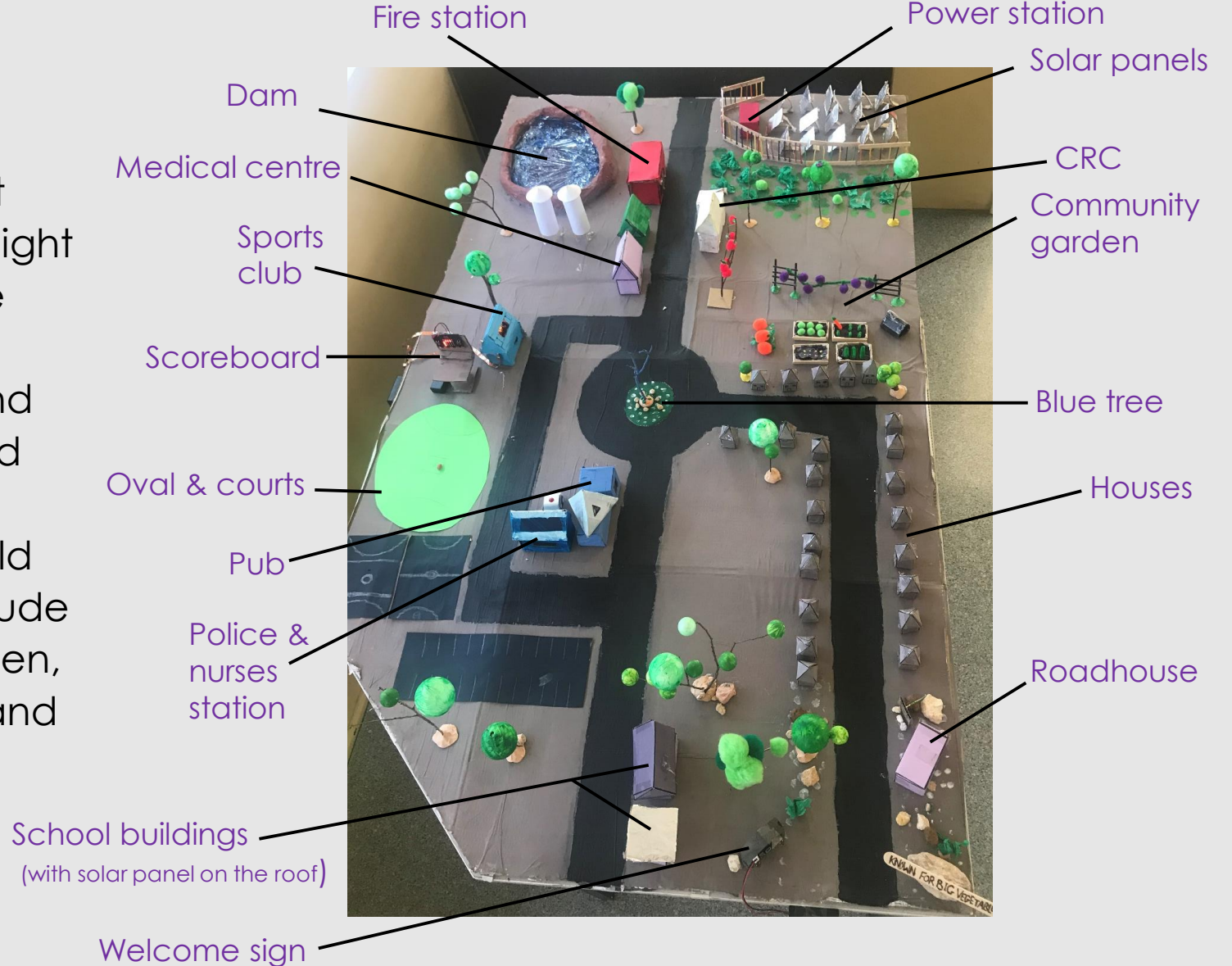


# Town Planning



# Our Future Town

As we are a school without a town, it was fun to imagine what Gairdner might be like if one was to be built over the next 20 years. We discussed which services a small town would need and how the homes and businesses would be provided with power. We also talked about the ways our town could be sustainable and we chose to include a solar power farm, community garden, large dam, lots of natural bushland and a recycling collection depot.











# Thank You!

We had a great time learning about electricity, circuits, the Western Power network, safety around power lines, STEM careers and renewable energy.

