



Circuit Breakers 2020

Hannang Primary School

Our School

Our school, Hannans Primary School, is located in the north of the Kalgoorlie-Boulder community in the Goldfields region. We have 390 students from Kindy to Year 6 of 21 nationalities.

Three Year 5/6 classes, a total of 83 students, took on the Circuit Breakers program with great enthusiasm. Each class, Room 16, 17 and 18, worked as a team to design, build and create their network of the future.

What we learnt about Western Power

Their network is larger than Victoria's.

Joshua (Year 6)

The gear that they wear and the tools they use.

Jett (Year 5)

They help the community.

Tyson (Year 6)

Western Power had a different name! (SECWA)

Mia (Year 5)

Our electricity comes from Collie.

Oliver (Year 5)

The place near the dog park (Piccadilly St Substation) takes care of everyone in Kalgoorlie-Boulder with power.

Keeley (Year 6)



What we learnt about engineering

How to make a network.
Kathryn (Year 5)

How to make flashing
lights, towns are hard to
build and coding is fun!
Azziah (Year 6)



There is so much to do
with coding and
engineering.
Declan (Year 6)

Coding and engineering
does a lot in the world.
Annabelle (Year 6)

Our networks of the future



Room 16



Room 17

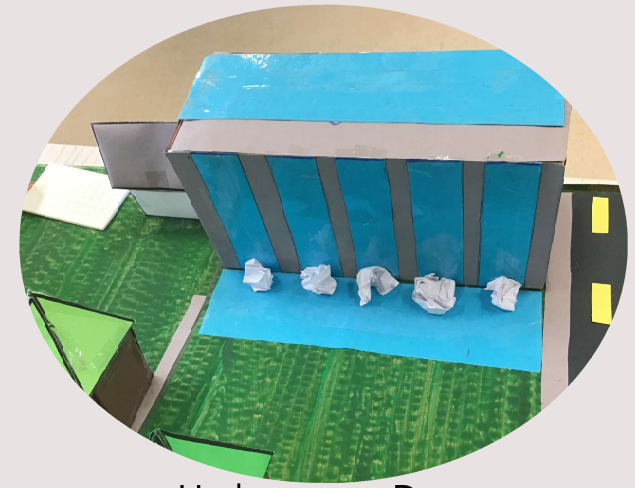


Room 18

Our networks



Geothermal Power Plant



Hydropower Dam



City Christmas Tree, solar panel and LEGO wind turbines



House lighting from solar power, excess solar power stored into community battery



Battery powered lighting to football field



Thank you Western Power!

Our 5 favourite things about Circuit Breakers

- + Learning how to code and use micro:bits to problem solve.
- + Using LED lights.
- + Designing, building and creating our own network of the future.
- + Working with our friends to develop skills in electrical engineering.
- + Meeting, working with and talking to staff from Western Power.