



CIRCUIT BREAKERS 2021

Chidlow Primary School

Our School



- We have around 120 students from Kindy to Year 6
- Just started on our STEM focus and this year we are lucky enough to have a STEM program to cater to different students for extension and engagement purposes.
- Located in the Eastern Hills
- Our Circuit Breaker team consisted of 20 students from Year 4-6

What we learnt from the program

- Western Power supplies power to the whole of WA.
- When a circuit is broken, Western Power is told right away and they either fix it on their end or dispatch someone to fix it. Them getting notified is an automatic process
- Western Power have a lot of different types of jobs. They have:
 - Computer specialists
 - Engineers from many different fields
 - Electricians
 - Innovators



Our Town



- We built our sustainable town near the end of Term 2 and the students decided to give it a Halloween theme.
- We have houses with electrical power as well as solar panels
- Power lines going through the town
- We used the Micro-bits to complete the following:
 - Traffic Lights (3 bulb connection and coding)
 - Street Lights (single bulb connection)
 - House Lights (Single bulb connection)
 - Police Siren (Sound coding)
 - IGA (welcome scrolling sign)
 - Hospital (stationary sign)

5 favourite things of the program

1. Challenging ourselves while coding the micro-bits to create something bigger and better than what Mr Smart originally set us out to do (after we did what was required of course)
2. Learning about how Western Power find out about faults and issues and how they go about dispatching solutions to fix them
3. Having fun adding all the Halloween decorations to the town like the graveyard, pumpkins on top of the street lights, and the zombie hand sticking out of the roundabout to grab the car
4. The problem solving involved when we ran into challenges like trying to rig up the traffic lights for our town
5. Creating the reaction game and then challenging the Year 1/2s to the game and watching them work out how to get the game to work.