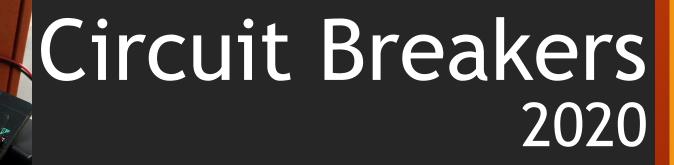


westernpower

Packaged and supp

rs



Roseworth Primary School

Our school

• We have

- Around 300 students from PP to Year 6
- A strong digital technology and STEM focus
- We are in the Northern suburbs of Perth, Girrawheen
- Our Circuit Breaker team consisted of 3 class from Year 4, Year 4/5 and Year 5

What we learnt about Western Power

- Western Power monitors the electrical network that supply power to the whole of WA.
- When a pole is damaged or the power supply is broken, Western Power is notified that it needs to be fixed.
 - This all happens in less than a second!
- Western Power have a lot of different types of jobs. They have:
 - Computer specialists
 - Engineers from many different fields
 - Electricians
 - Innovators



What we learnt about engineering...

- Engineers are PROBLEM SOLVERS
- Engineers look at how things work, how to improve and how to build: they are STEM Professionals
- Initially we thought STEM Professionals were builders and coders but that's not all they do...
 - They imagine
 - They discuss
 - They prototype
 - They reflect
 - They innovate
 - They discover new ways
 - They listen and work with others

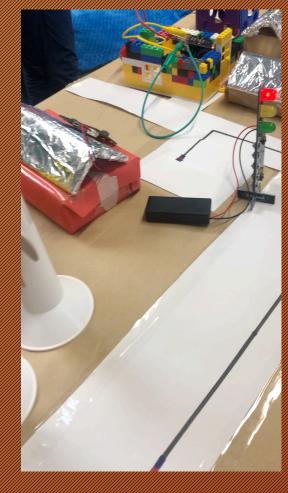
W4s network of the future: micro:town, Roseville

- micro:town is a place that is self sufficient and incorporates old world living with functioning farms (food and wind).
- We have a
 - Wind Farm
 - Green Houses
 - All amenities that a village needs
 - Western Power
 - And the usual; houses, hospitals, schools, traffic and street light

Welcome to W4s micro:town, Roseville

Welcome Sign: scrolling Greet F Ktouses: coded rainfa

Shops: scrolling t



Press PLAY Doorbell Houses: o to walk button play sound through the town

Minecraft Planning

micro:town, Roseville



Traffic Lights: coded

colour lights

Ozobot Cars

Wind Farm:on button fan go

Farm: when gate shut ht go on

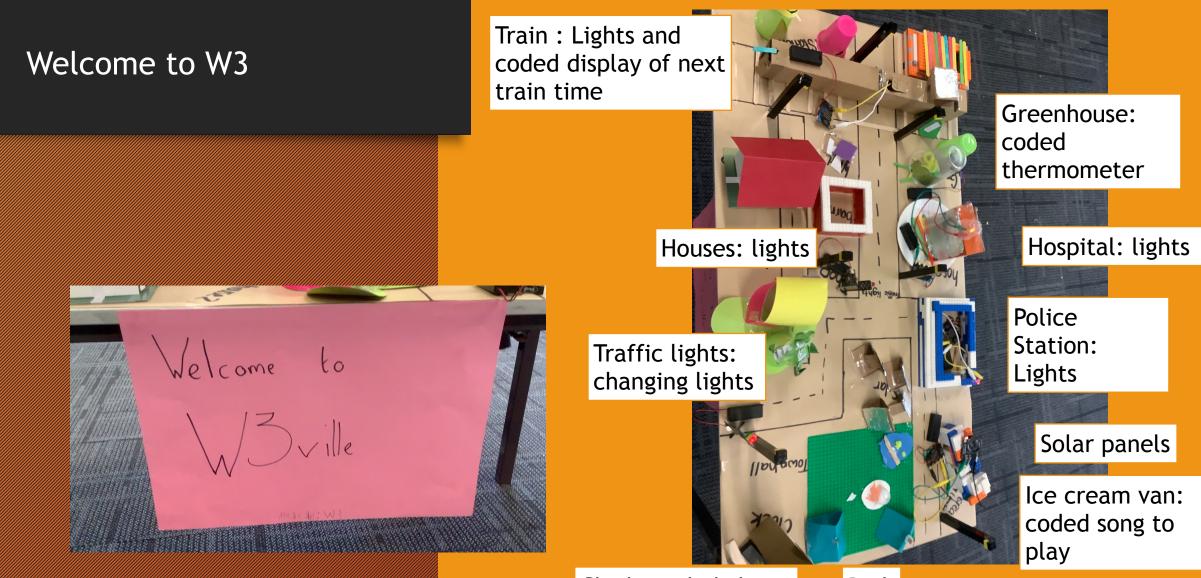
Hospital: flashing eart an<mark>d cross</mark>

Fire Station: fire alarm

Network Control

Centre:scrolling text

Solar Panels



Clock: coded chime

Park

Our 5 favourite things about Circuit Breakers

1. Having fun while building our town

- 2. Being resilient and learning how to code
- 3. Using micro:bits spell words
- 4. Learning about Western Power and what they do for us
- 5. Being engineers and problem solving in different ways

Thank you...

Shops

Western Power

Matthew our Mentor

