

Year 5 Extension – Mrs Paatsch



Circuit Breakers Program





St Jerome's Catholic Primary School is located approx. 30km south of Perth, and we are a Pre Kindy to Year 6 school with over 700 children. We have twenty students involved in the Year 5 Extension program in 2021 and they participated in the "Circuit Breakers" program for the first time.



Week 1 – Involved unveiling our boxes and analysing the contents! For some of us, it was the first time we had inserted batteries.

Clare explains what happened when she turned her microbit on!

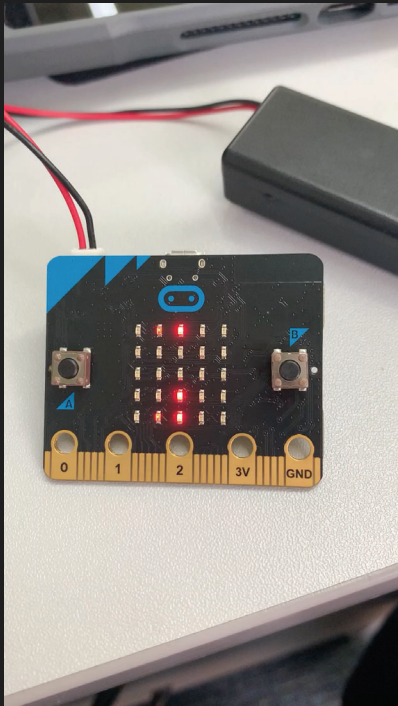


Lachlan chats to us about what an engineer is.....

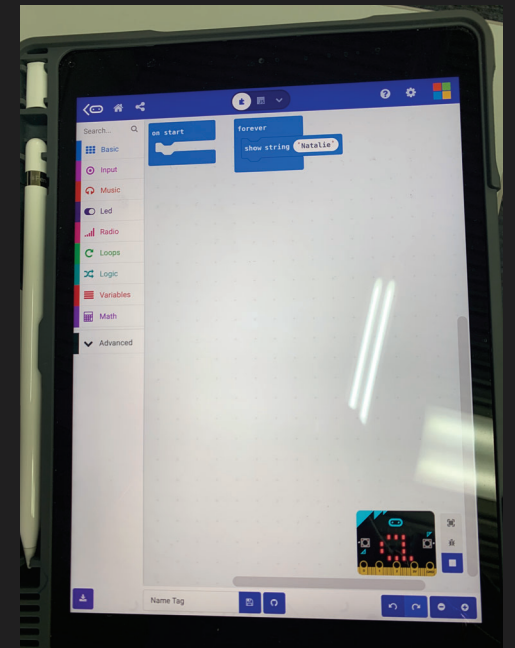


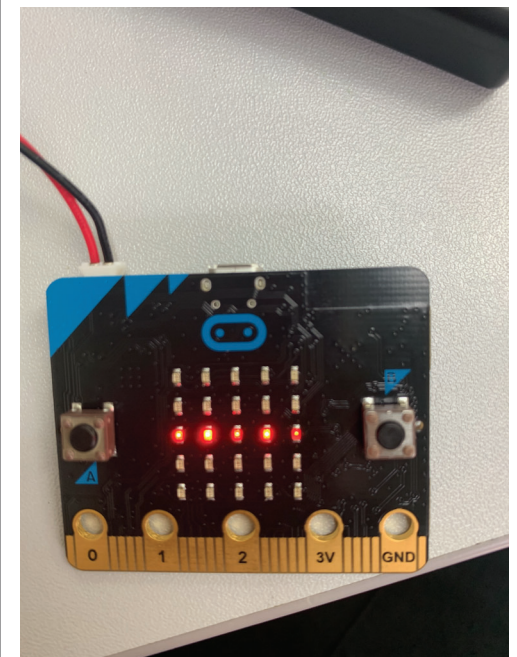
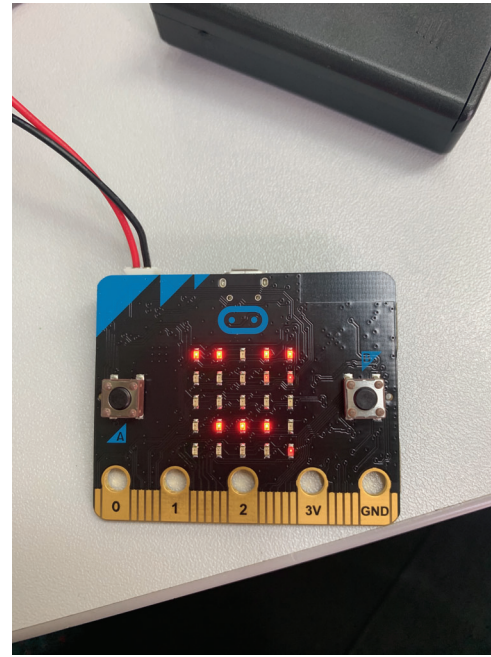
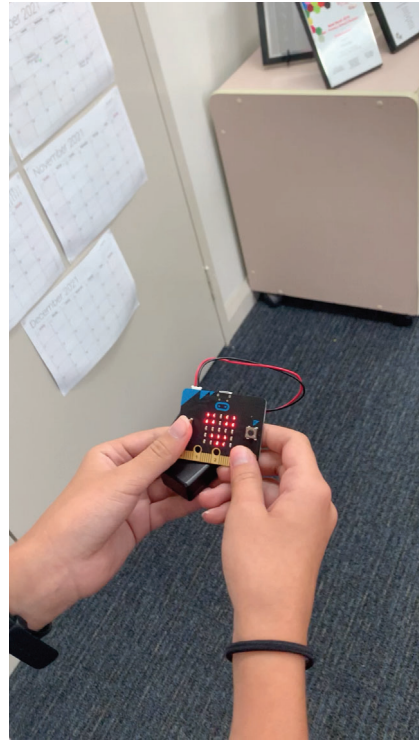
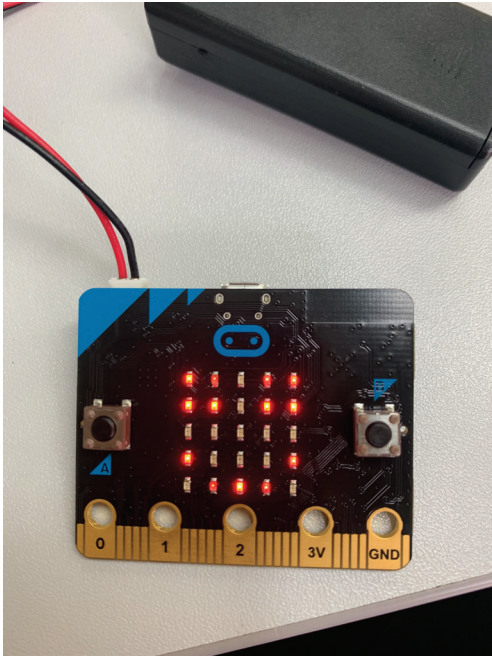
Patrick played "Chase The Dot"





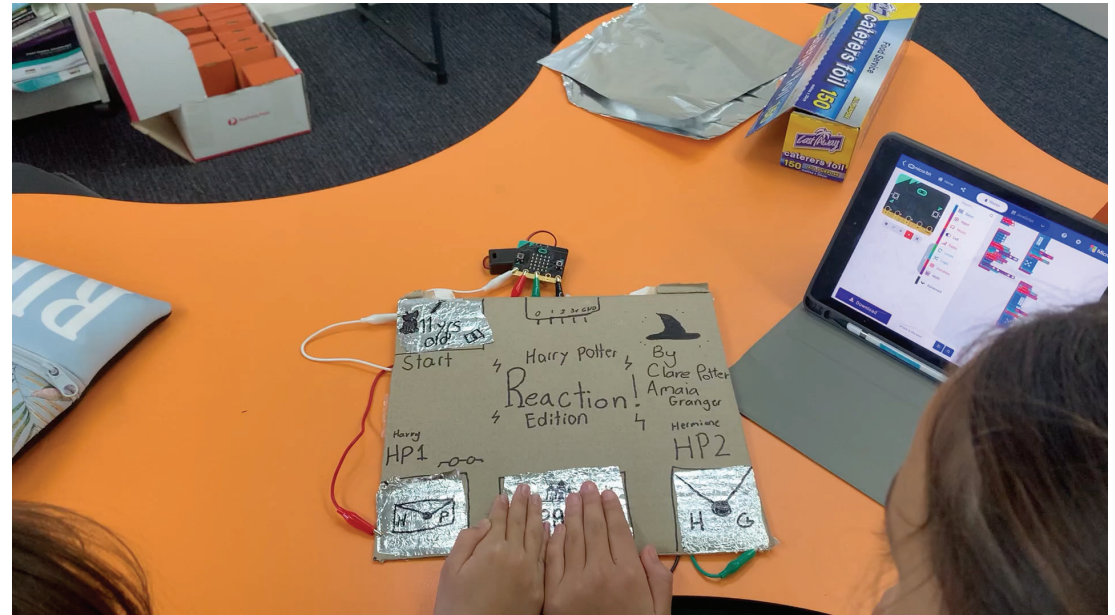
In our next session, we were able to use the micro:bit app on our ipads to code our names. This was then downloaded to the microbit and we could see it appear. Mrs Paatsch had a turn too!

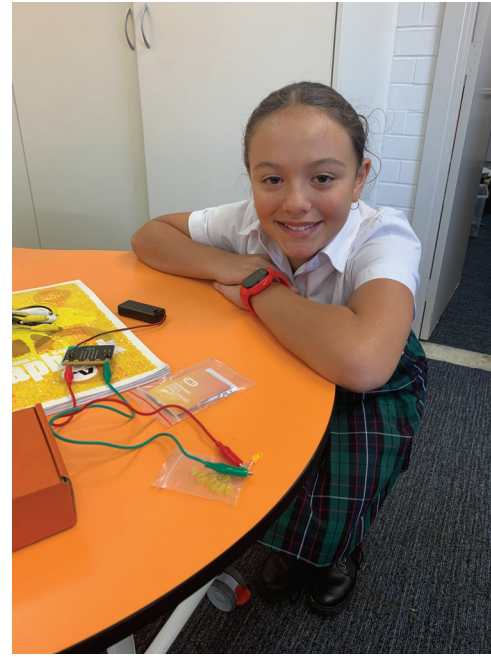
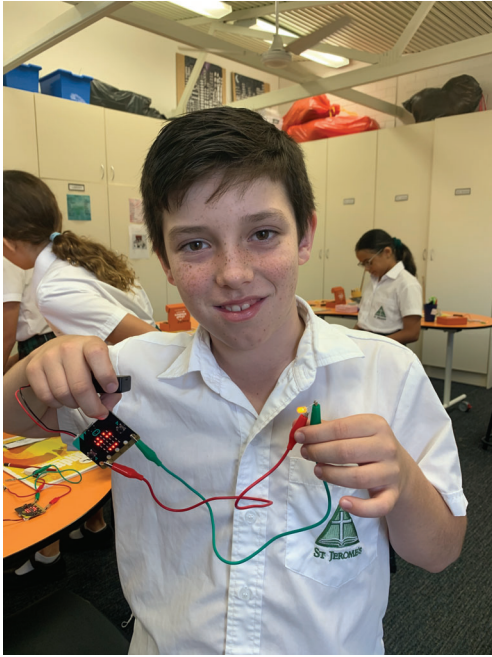




Listen to Eva explain how she made her microbit feel happy and sad!

The children created a “Reaction Time” game using their microbits. They were able to determine who had the quickest time in milliseconds, thanks to the microbit!





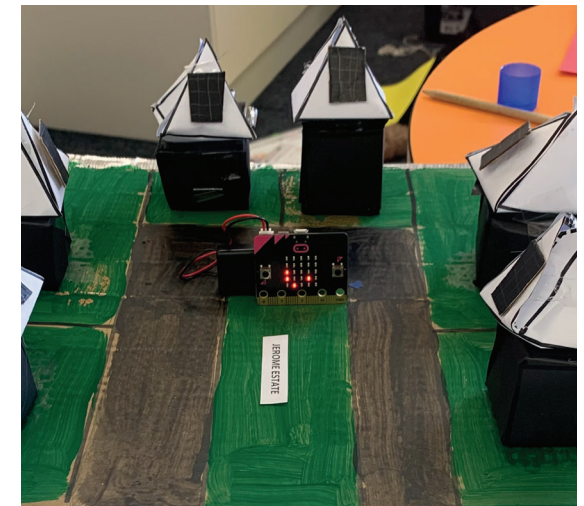
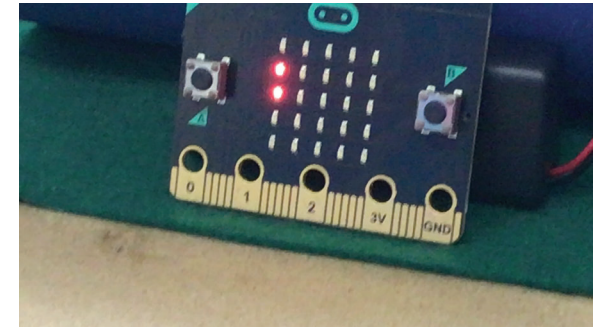
Creating a Circuit

Community of the Future – Jerome Town

As a group, we brainstormed all of the requirements that were needed in our community, which we named “Jerome Town”. This included:

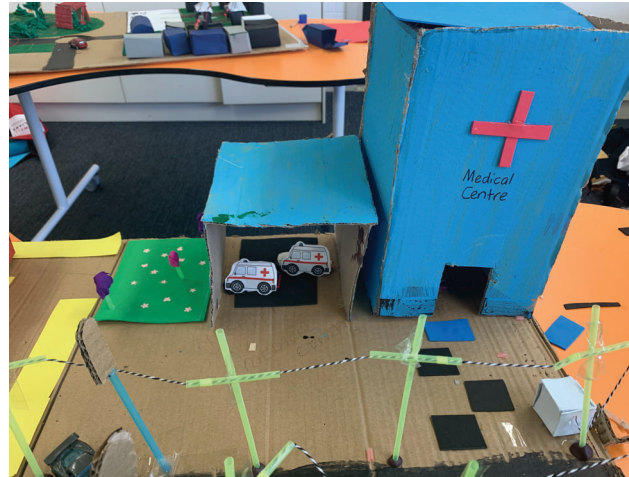
- A Recycling Centre
- A lake
- A grocery store
- A recharging station
- Car Dealership
- Caravan Park
- Planetarium
- Wind Farm
- Medical Centre
- A farm
- Jerome School
- Housing estate (including solar panels)
- A smart freeway
- A revolving restaurant
- Playground/park

- The Playground, Jerome Primary School and Jerome Estate.
- Our houses all have solar panels, and the school and houses were made from 3D nets!
- We have used a microbit to display the School Zone 40km sign!



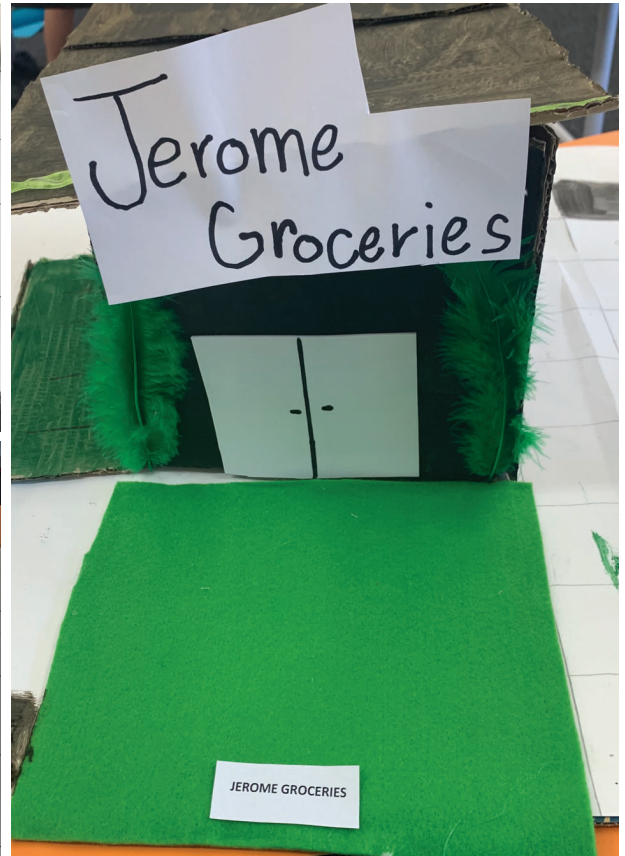


A Wind farm to create electricity, a caravan park, a pond and a farm!

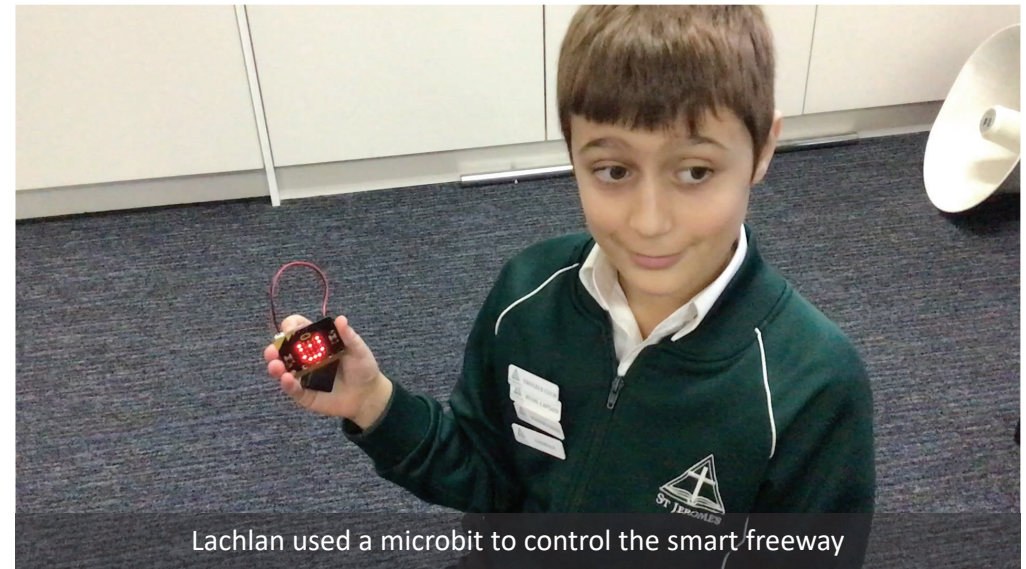


The Medical Centre and the Revolving Restaurant!

The Car dealership, grocery store and the town's charging station!



Jerome Town!



Lachlan used a microbit to control the smart freeway

What we have learnt through the 11 week term:

