




# CIRCUIT BREAKERS 2020





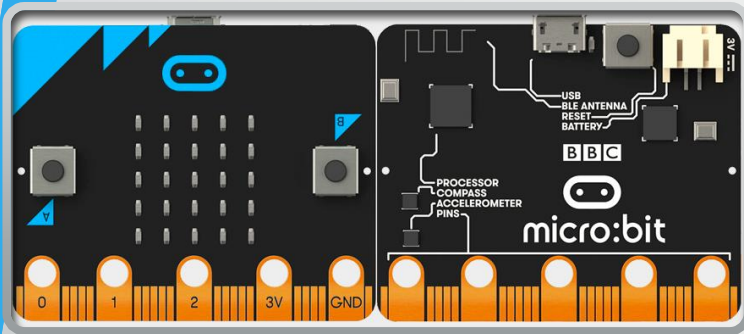
South Thornlie Primary School has over 445 students from Kindergarten to Year 6. We are situated South of the River and first opened in 1976.

We recognize the importance of incorporating STEAM into our daily programs as a way to question, problem solve and enrich students' learning experiences.

This year 59 Year 6 students engaged in the Circuit Breakers Program for the first time, led by Mrs Liedermoy, one of our Year 6 Teachers.



# WHAT WE LEARNT



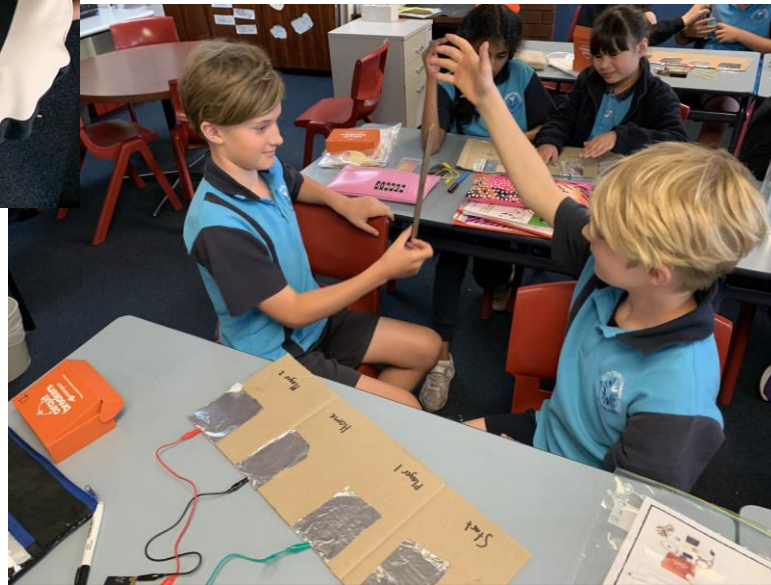
- Services provided by Western Power
- Engineering – problem solving
- Meeting our Western Power Mentor Dona Wijayasinghe
- Sources of energy
- Creating circuits
- Coding Micro:bits
- Use of energy in our community



Students enjoyed creating circuits using the materials supplied with their Micro:bits.

By generating the code and connecting the unit to a board, students were able to test their reaction time.

Then they experimented with code to form messages, images and instructions to control circuitry.



# SMALL GROUPS

To create our communities, we split into small groups. Each group discussed and planned how they would demonstrate the use of energy within their community. After doing this each group created a video presentation discussing their community. These communities included housing, shops, billboards, light poles, lighting for sporting venues and traffic control signals.

