

Circuit Breakers Program

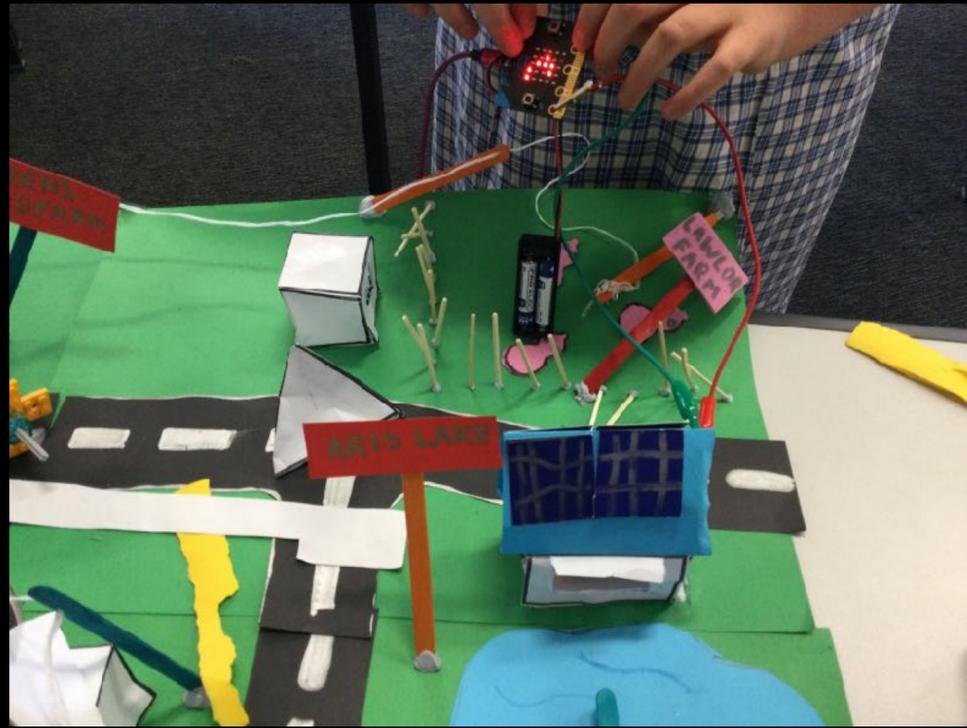
Year 5B and 5G students of Xavier Catholic School, Hilbert





We had amazing time, showing the school the Western Power Circuit Breaker project. We made eight different cities with micro bits and lego WeDo. We included a lot of sustainable features in their city. We spent the whole day presenting our work to whole school in a digital conference. We also uniquely made the hot potato game, send a message and reaction time game at various stations. At the end of the day we presented our work to Year 6s and 4s and our parents. We all had a wonderful time.

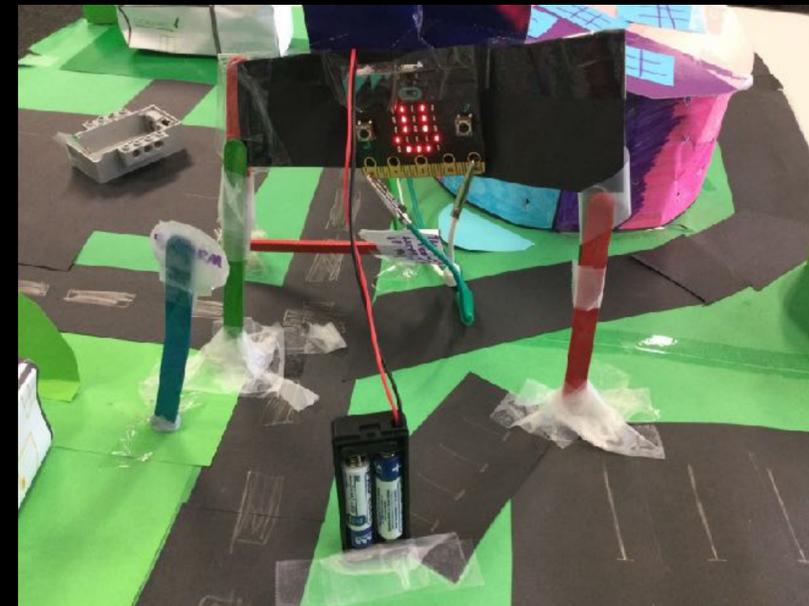




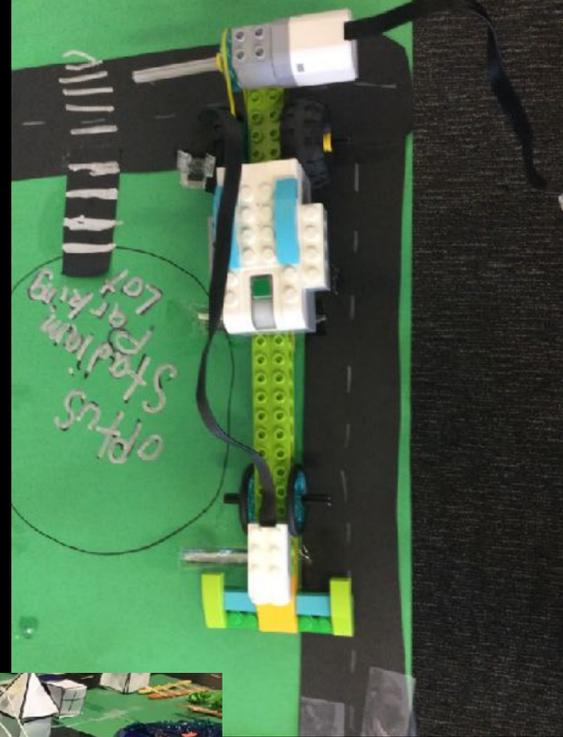
Solar panels



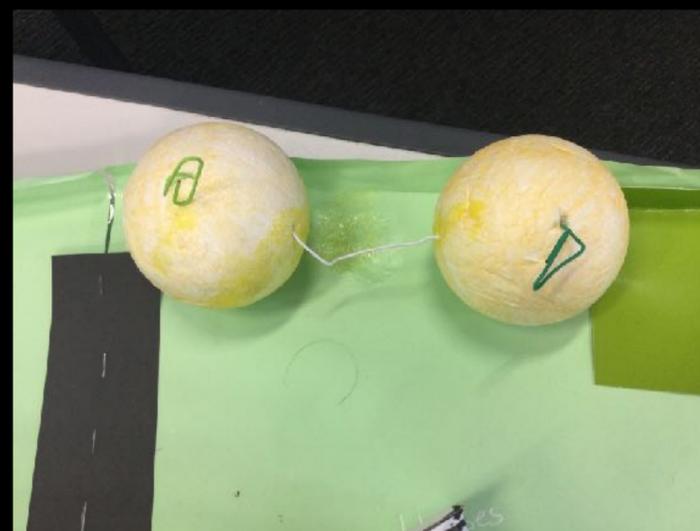
Recycling station



Smart free way



Solar panels to power lights in Optus Stadium

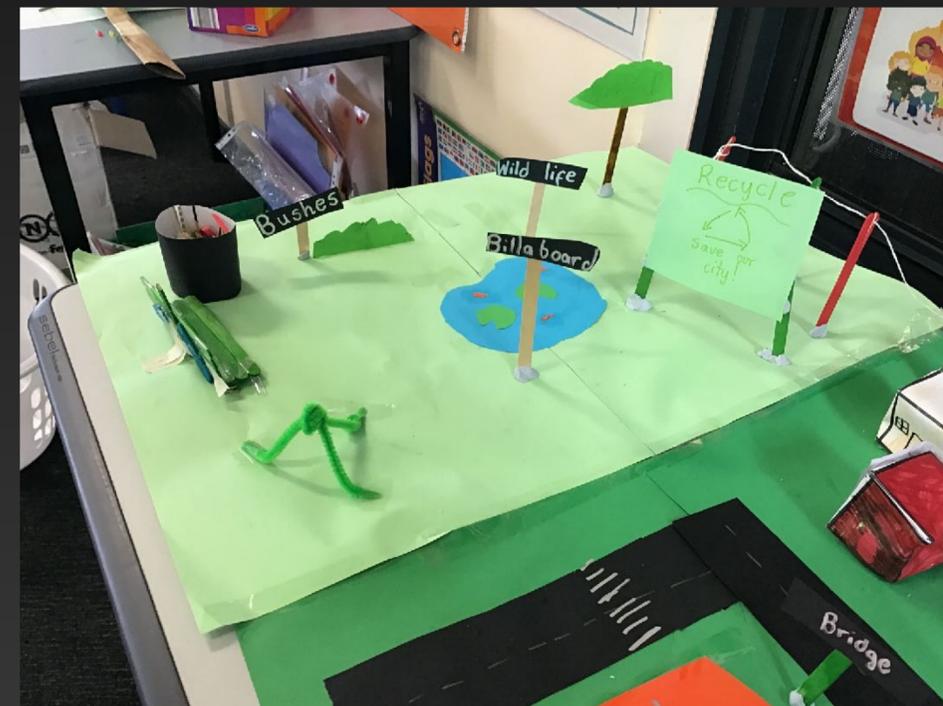
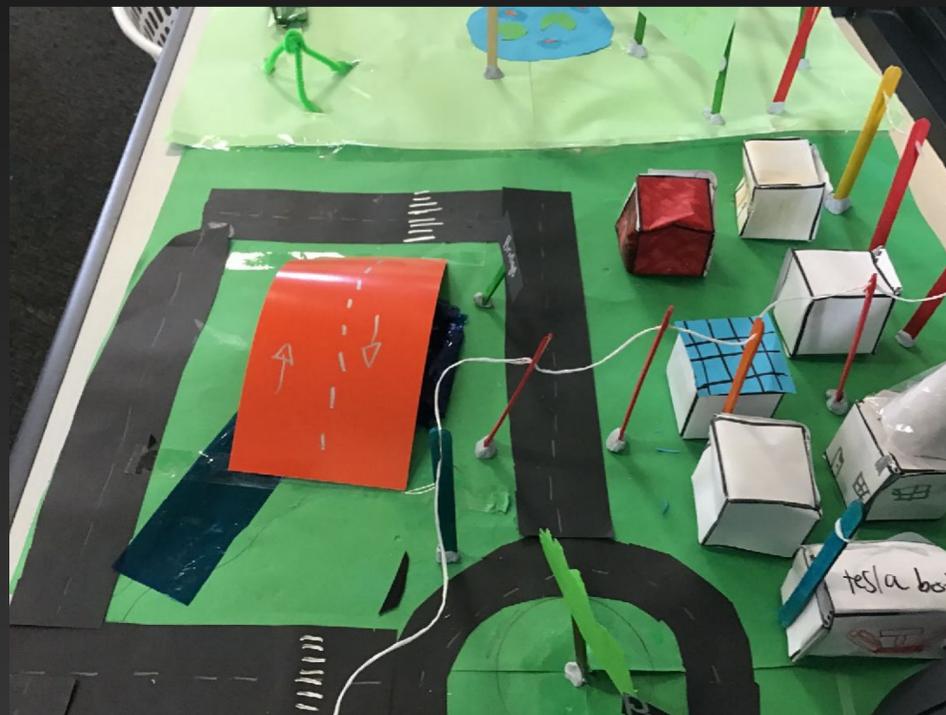
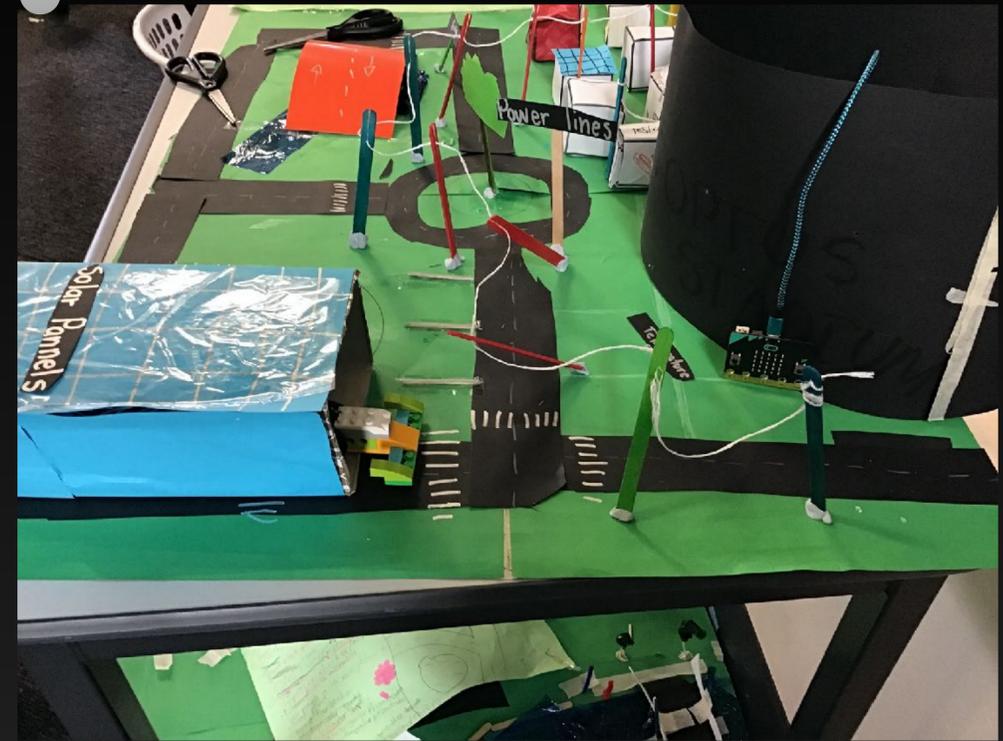


Lemon powered fence



About our city.

Park, power lines, a billboard, solar panels, wildlife, bushes, Optus Stadium, a bridge, a parking lot, trees, a temperature checker and houses.



Why? Be sustainable

Why have we done this project, well its not just for the cool buildings and roads, its includes sustainable ways of living including homes in trees for birds, home grown veggies and solar powered homes and solar powered traffic lights.



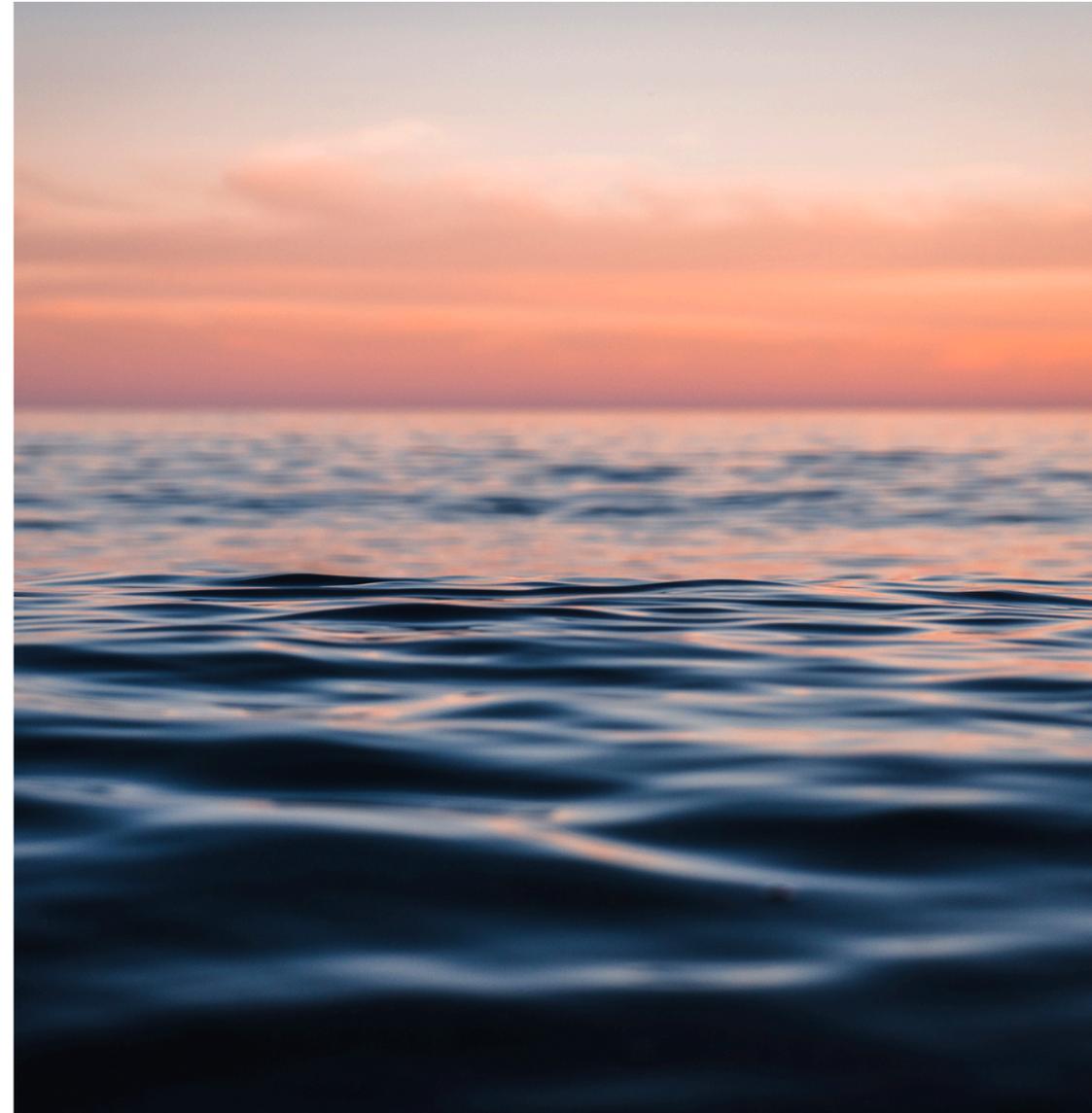
Western power new projects

Advanced metres

- Upgrading equipment so that they can measure how much electricity households use so that they can reduce the amount of electricity they use.
- These are called advanced metres

Street lights

Western power is a doing a project on smart street lights. It will contain a built in solar panel so it will be used when night falls. The good side of this is that your saving the environment because of normal street lights they pollute CO2 and they also waste energy because some can malfunction and be on forever which will waste energy that can be used for something else then being wasted.



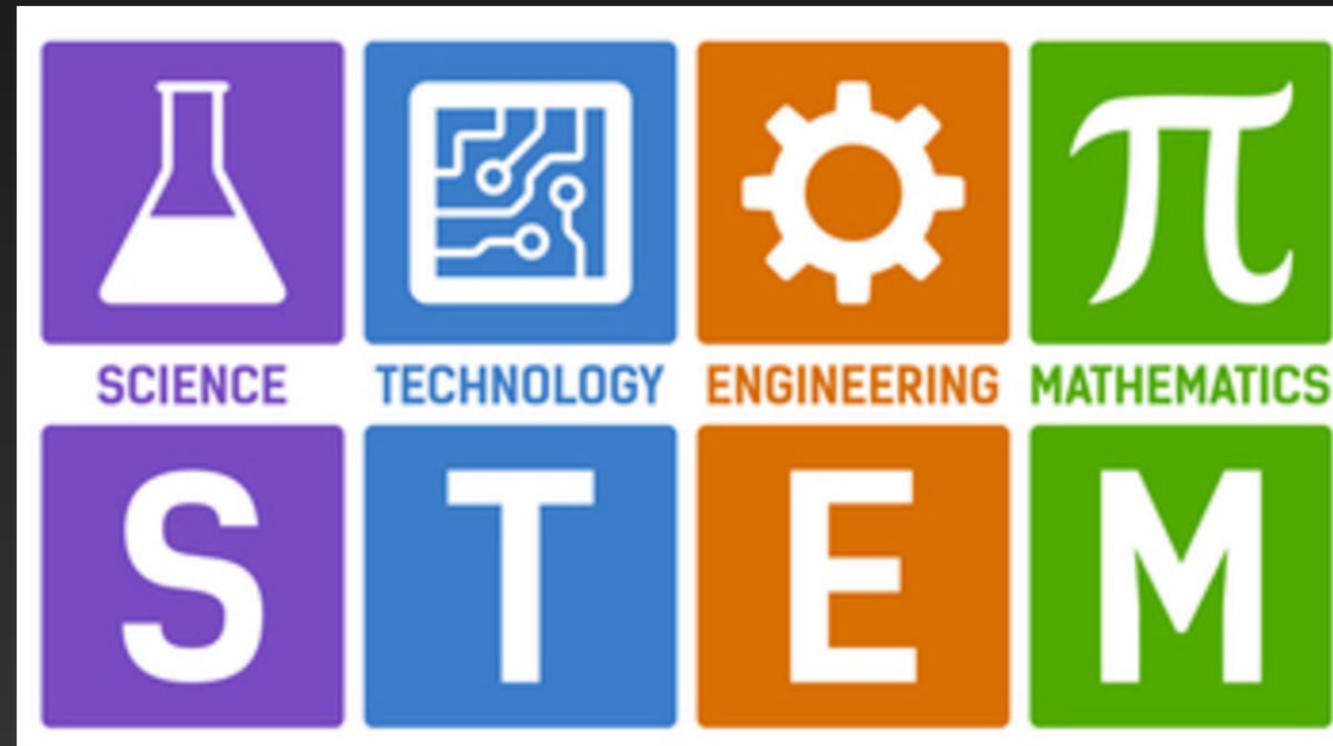
TESLA Project

**The solar battery is
Australians new way to
store solar energy which
has been trialled which can
power a houses and
buildings. If any extra power
is left then it go to the towns
TESLA box until the next day
where it will be used.**



What is STEM.

STEM stands for **Science, Technology, Engineering and Maths**, this is the topic we are doing for our project.



MakeCode

What we've been doing in class we are doing a project on Micro bits and they are little mechanical motherboards



Safety at home

- It is very important to be safe at home, there are a lot of dangers that could happen at home such as shocks and tingles, infrastructures at home so it is important you stay safe and if any shock or tingles are detected you need to call western power immediately.

Bushfire safety

- The Western Australia summer can be unforgiving. The combination of dry weather and expanses mean that our community must work together to lower the risk of bushfires that can spread and possibly cause damage.





Thank you