MICRO BIT

Noranda Primary

Year 5/6

Room:4

Last term, all of the senior classes (including us) did a micro bit computer activity over the span of the term. In this activity we learned how to code, how to use alligator clips, how to use the micro bit computers and many more things.

We had a lot of fun using the micro bits and we kept journals about the things we did using the micro bits. We also had the chance of meeting a person from Western Power. They taught us many things about electricity.

We have made a power point on what we did using the micro bits and how we did it. There were some activities that we couldn’t include for example we made a thing that detected the light level. We couldn’t include those in this slide show or else it would be too long.

Now with that out of the way, lets get to the slide show!

First lesson of micro bit.

On the first week of micro bit, we opened all of the micro bit boxes and removed the plastic. We also checked that all of the parts were in the box. Some of the boxes were very dodgy.

Second lesson of micro bit Code and download

On the second lesson of micro bit, we coded and downloaded lines of code onto our micro bit to make our micro bit's L.E.Ds light up. We partnered up with the people sitting next to us in class to work together on the micro bits.

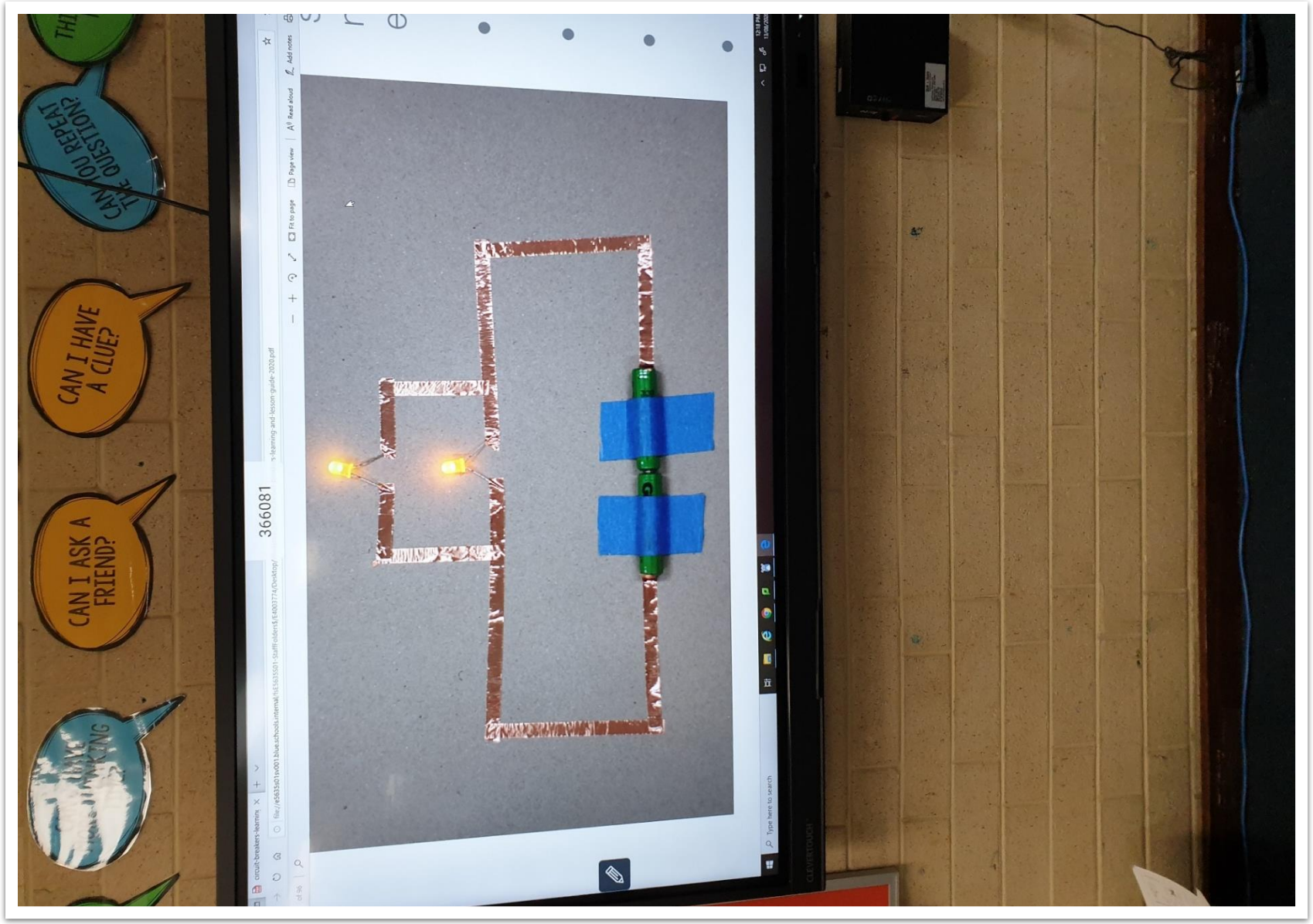
Third lesson of micro bit Complete the circuit, control the power

On the third lesson of micro bit, we used two AA batteries, copper tape, and an L.E.D light.

We connected the positive side of the battery to the negative side of the battery. Then, we connected the batteries to the L.E.D light using the copper tape. The positive side of the lights had to connect to the negative side of the batteries, and vice versa.

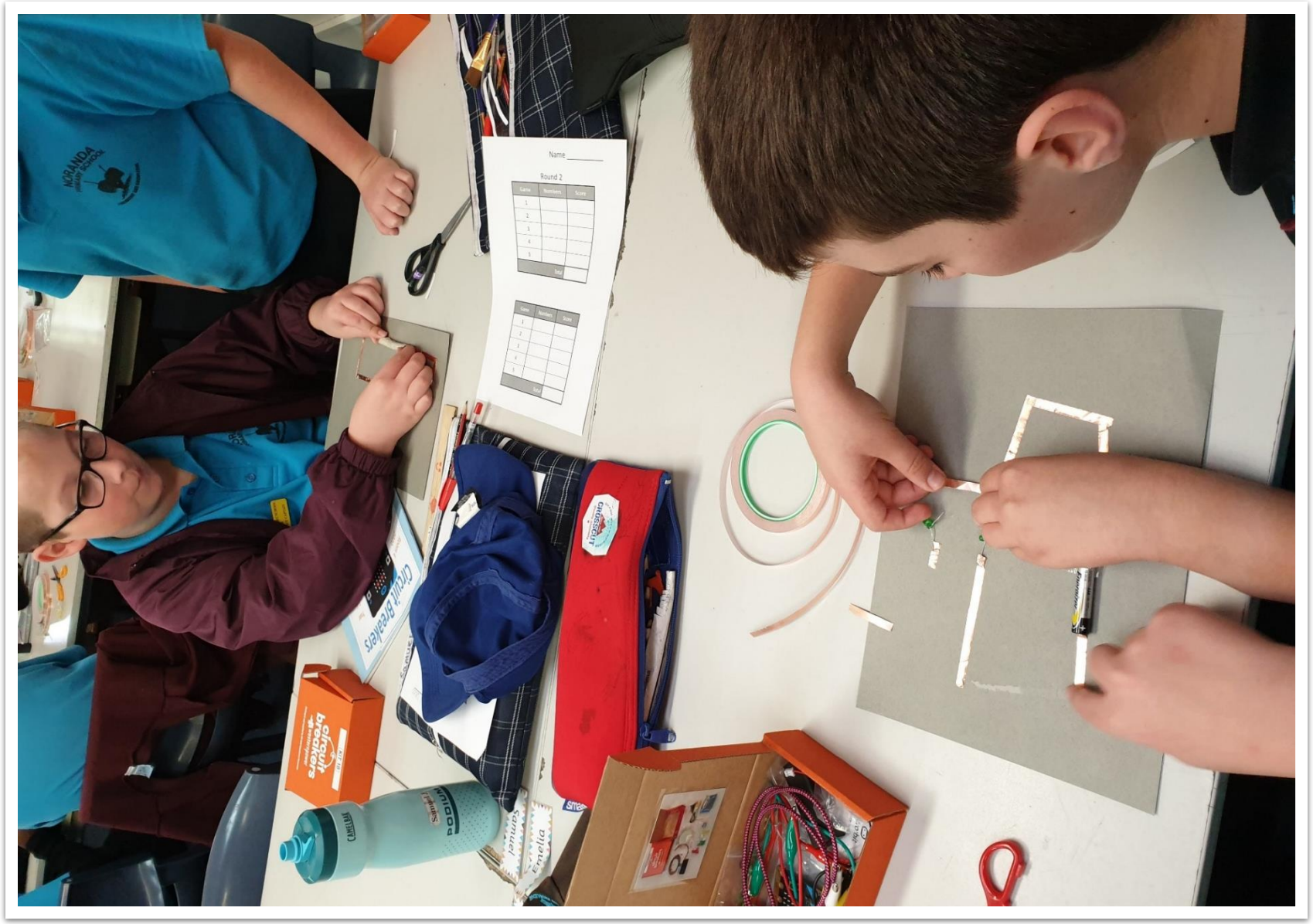
Fourth lesson of micro bit Fully Charged Up

We continued on with the circuit from lesson three. But at the top of the circuit, we added another L.E.D light using copper tape.



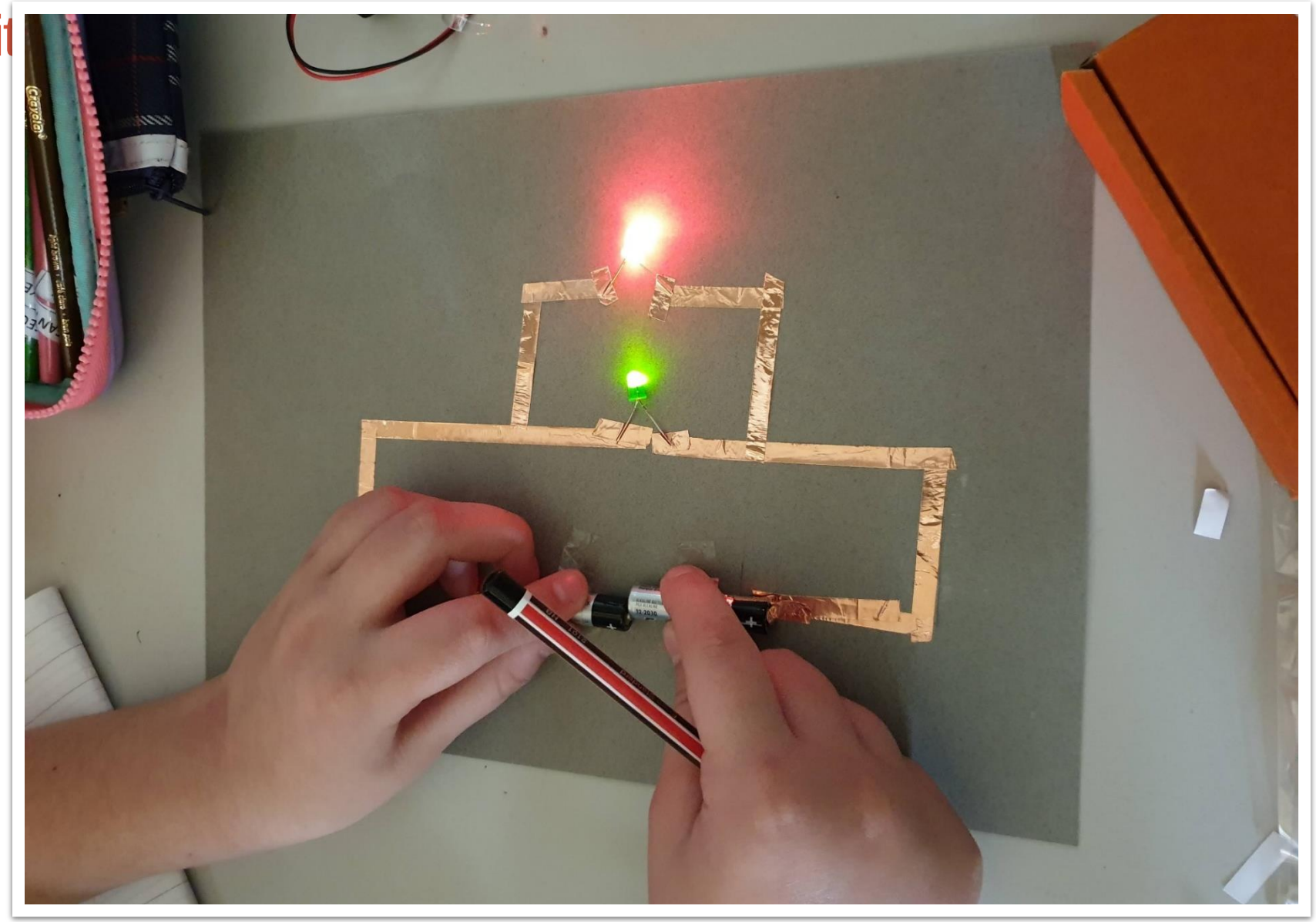
Fourth lesson of micro bit Fully Charged Up (continued)

This was a picture of some of the students working on the double L.E.D lights. The double L.E.D lights were a little bit easier then the one L.E.D light because we already know how to make the lights light up.



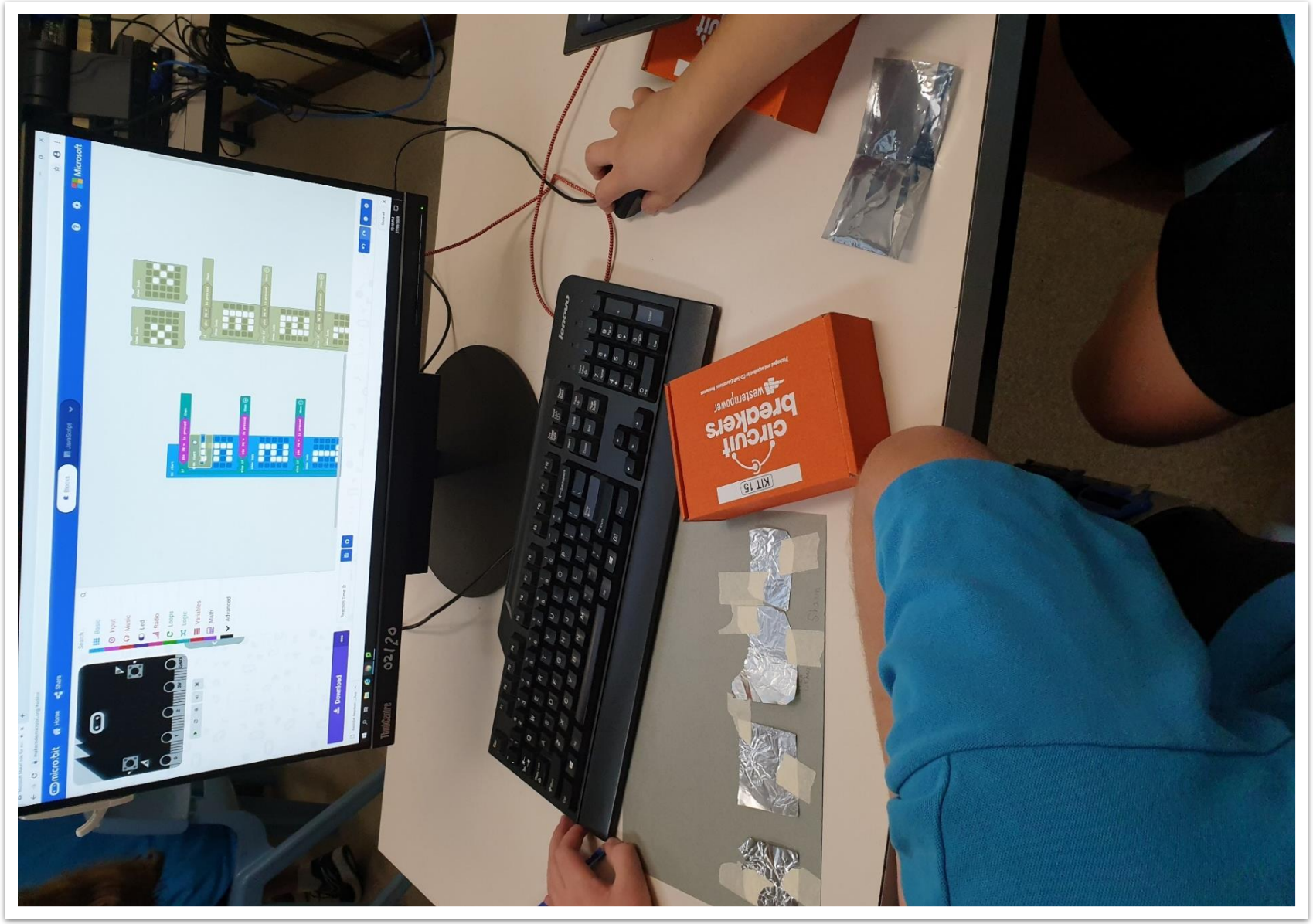
Fourth lesson of micro bit Fully Charged Up (continued)

When the batteries touched each other using the right ends, the lights will light up. If the batteries touch at the wrong point for example when the positive ends are touching, the lights will now light up. Another crucial fact is that is the lights are connected onto the batteries correctly. If they are connected onto the batteries incorrectly, they will now light up.



Fifth lesson of micro bit What's your reaction time?

On the fifth lesson of micro bit, we made a simple game out of four square pieces of aluminium foil, a piece of cardboard, tape, the micro bit computer, alligator clips and a little bit of coding.



Fifth lesson of micro bit What's your reaction time? (continued)

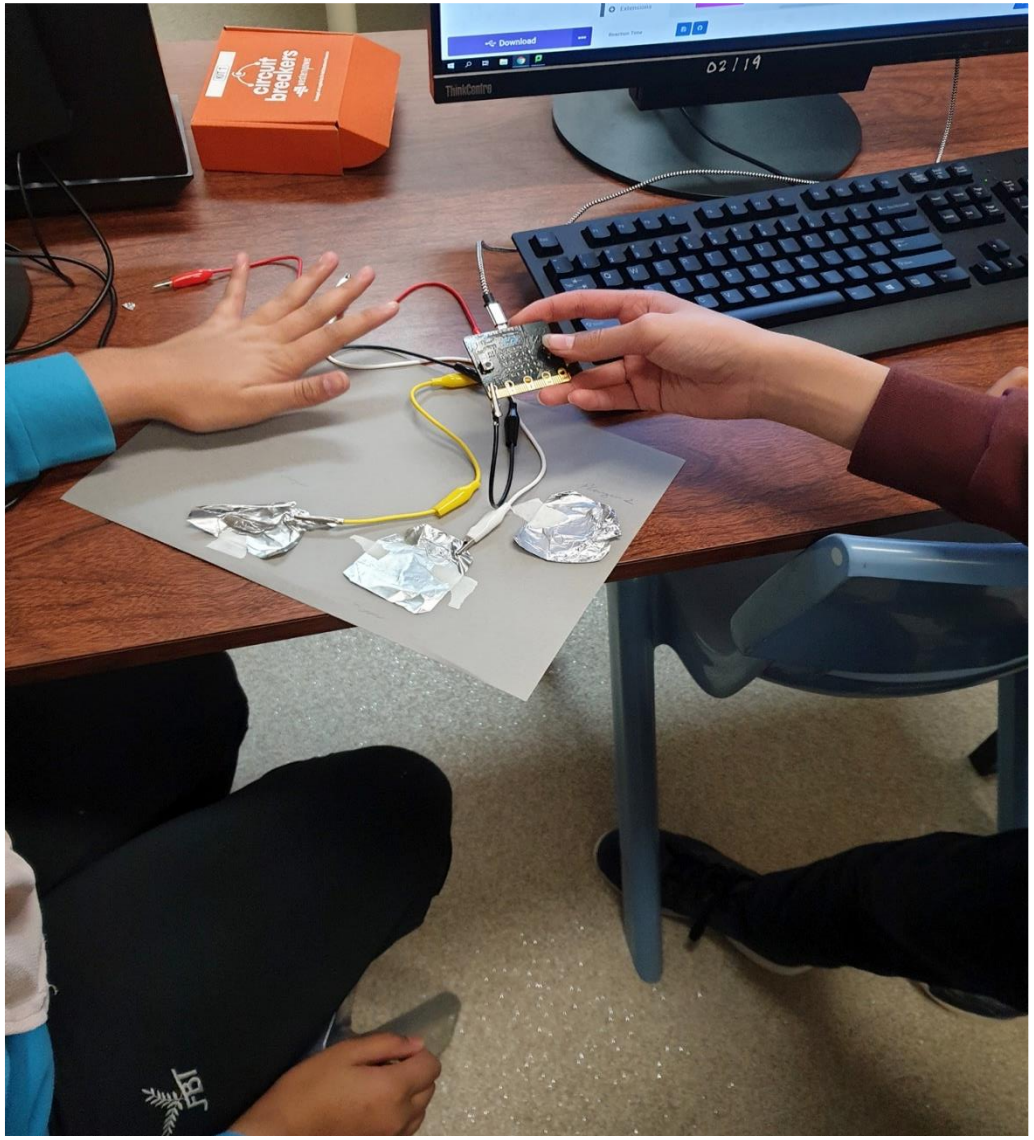
To make the reaction time game, you will first need to tape aluminium foil onto the card board.

Then name the aluminium foil squares "Start, Player 1, Player 2 and home.

After that you have to connect the aluminium squares to the micro bit computer. The Start square to the 0 hole, the Player 1 to the 1 hole, the player 2 to the 2 hole and the Home to the GND hole.

Finally you do the coding to connect all of the aluminium squares together and if you follow the instructions on the website, you should have the game all ready.

Have fun!



Paul from Western Power.

We were lucky enough to have Paul come out from Western Power to explain us what his role is. He helps to create the ads for the community to see.

Paul from Western Power. (continued)

He told us how he made the ads and what he needs. He also explains how to stay safe in the community around electricity or if there is ever an emergency involving electricity.

Thank you for watching ☺

We as a whole class enjoyed the micro bit activities. We had a lot of fun doing the activities and learned a variety of things including coding, how to stay safe around electricity and many more things.