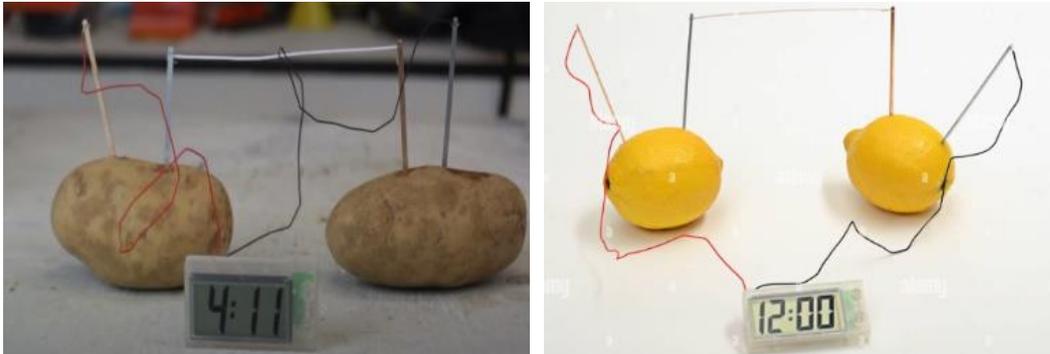


Lower 4 use potatoes and fruit to generate a current



During Science Week, Lower 4 used their knowledge of electricity to work out how to generate a current using potatoes, lemons and oranges as a source of electrical energy. Initially, they were given two different types of metal, wires, a clock and two potatoes. Without any support, they were asked to work out how to generate a current. If they could create a complete and working circuit, then the clock would begin to work. It didn't take too long before the first group figured out how the components needed to be joined in a particular way to generate a potential difference.

They then went on to test a variety of materials and concluded that they could generate a current to power a clock using potatoes, lemons, oranges, cola and even water.

Finally we discussed the importance of using different metals and substituted the metal probes for coins to test our hypothesis.

Dr Sara Newton