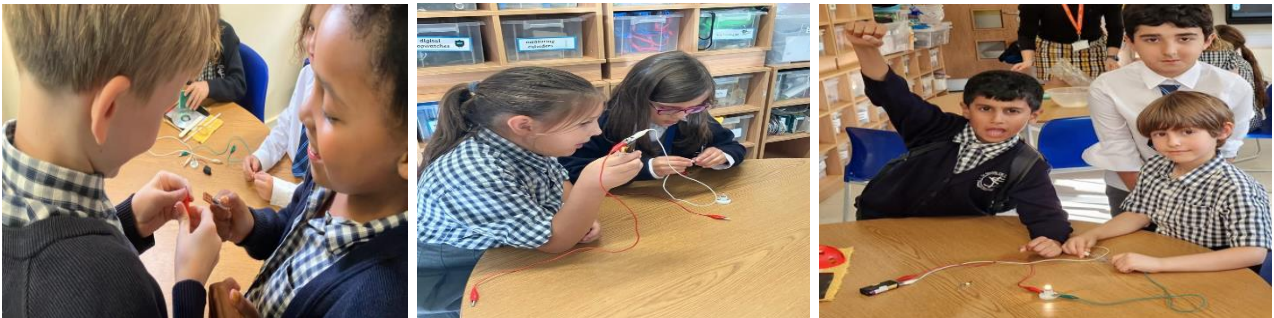




## Y4: Electricity Workshops with Mercedes (School Scientist-in-Residence), Autumn 2023

- LO: To recognise common conductors and insulators
- LO: To make a device which includes a simple circuit

This term, Year 4 have been studying Electricity. The children started the session by building a simple circuit, looking at what was required to make a circuit (battery, wires, switch, lamp, motor or buzzer). The children then tried to build a circuit with wires a battery and a lamp, noticing that it is important to connect everything in a loop with the battery for it all to work.



Next, the children were given a range of objects made of different materials, including wood, plastic, metal, sponge and fabric, and had to decide whether it would conduct electricity (conductor) or not (insulator). After the children had made their decisions, the objects were connected into their simple circuits to see whether they were right!

Finally, the children used motors to make cars. Using two motors for the front or back wheels, in two separate circuits, the children were able to make their cars run around the science room floor!



*"Ms Mercedes is amazing we always have so much fun learning something new."*

*"I love doing experiments with my friends, we always learn something new when we do experiments."*

*"Electricity is amazing, it helps me to do so many things and it helps me with my learning."*

*"Building my own car was so much fun, I want to do it again!"*

Kind regards, Miss Kelly & Mrs Hayes – Science co-ordinators

