

Year 6 Science

Mr Nadal came to do some science work on Electricity with Year 6. He told us about the structure of matter - atoms, neutrons and protons.

We did some experiments to investigate how this worked.



We found out what happened when a rod was rubbed with a piece of cloth and placed near some small pieces of paper. The paper was attracted to the rod by static electricity.



Static electricity on the rod also deflected a trickle of water towards the rod.



We built an electric circuit composed of a 4.5 v battery, a lamp, a switch and a 1Ω resistance. We investigated what happened when the switch was pressed. (the bulb lit up brightly) We then replaced the 1Ω with a 2Ω resistance to see what happened (the bulb was less bright). Mr Nadal explained how the level of resistance changed the brightness of the bulb.

Finally we used the circuit board to build a simple motor. This generated a lot of heat as the copper wire spun, powered by the electricity and the magnet in the board.

We really enjoyed learning about electricity and electric fields.

