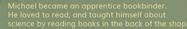
Sensational Scientists

Michael Faraday

Isabel Thomas

finds out why the dark without the 'Father of (1791-1867)





When he was 20, a customer gave Michael a ticket to some lectures by one of his science heroes. Humphrey Davy, Michael was captivated. He wrote to Davy, and in 1813 finally got his first job in science, as Davy's assistant.

The world-famous Royal Institution was Michael's new workplace. He was fascinated by 'electromagnetism' the discovery that passing an electrical current through a metal wire produces a magnetic field around it. Michael quietly started doing his own research. By 1816, he had published his first scientific paper, and by 1819, he was pretty much the best chemist in Britain. But it was physics that Michael found really exciting.

In other words, I had created the world's first electric motor!

Michael had big ideas. In 1822, he scribbled in his diary:

(muert magnetism into dectricity!

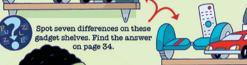
But he was so busy researching other greas of science, it was ten years before he got ground to looking at electricity again...



In 1831, Michael showed that his discovery worked in reverse. He moved a magnet back and forth inside a coil of wire and showed that electricity began to flow in the wire. Michael used the discovery to make the first dynamo, a machine that generates electricity using magnets. This was HUGE NEWS. Up to now, electricity had been produced by chemical reactions inside batteries, which were expensive and a bit rubbish. The dynamo meant that electricity could now be produced without a battery, and in much greater amounts.

Michael changed electrical energy from a laboratory novelty to a practical tool. His discoveries led to the development of the technology used to produce almost all of our electric power, and to the electric motors that are found everywhere, from phones and

hoverboards, to cars and dishwashers.



Faraday loved to share his

