

## **Right hand grip rule**

If you know the direction the current is going (from positive to negative) you can put your hand on the wire, and wrap your fingers round. Fingers point in the direction of the magnetic field.

### **How can we make a STRONG electromagnet?**

If you take an iron core, and wrap wire round it, the small magnetic field created by the wire is combined and amplified by the iron core. When you pass a current through the coil it becomes a strong magnet, when there is no current the iron has no magnetic properties. Our experiment showed the iron core might continue to have magnetic properties for a short time after the coil was magnetised.