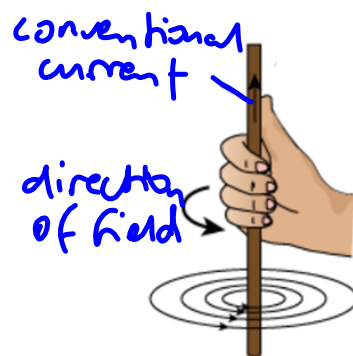
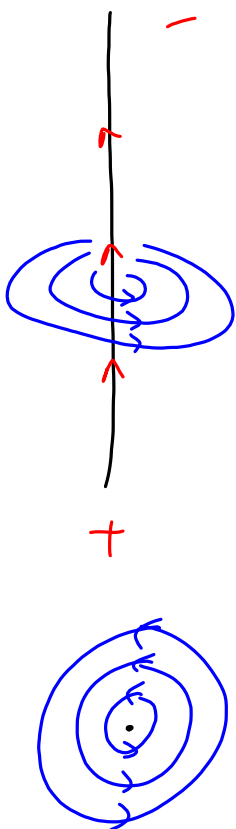


Magnetic field around a current-carrying wire.

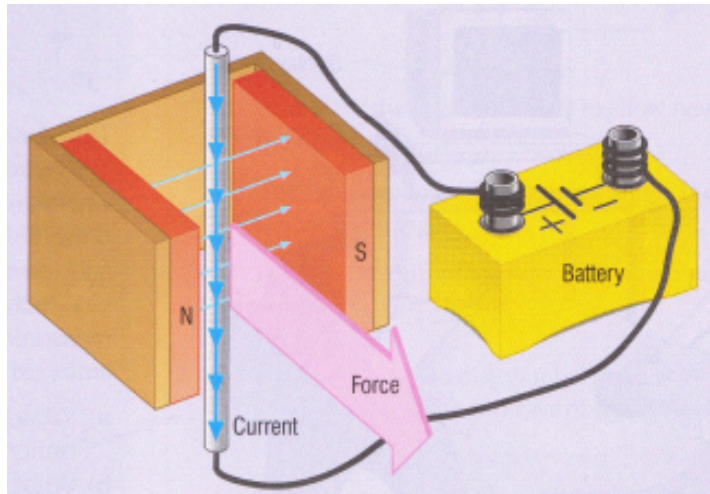
The field lines are circular, and the direction is determined using the right hand grip rule:

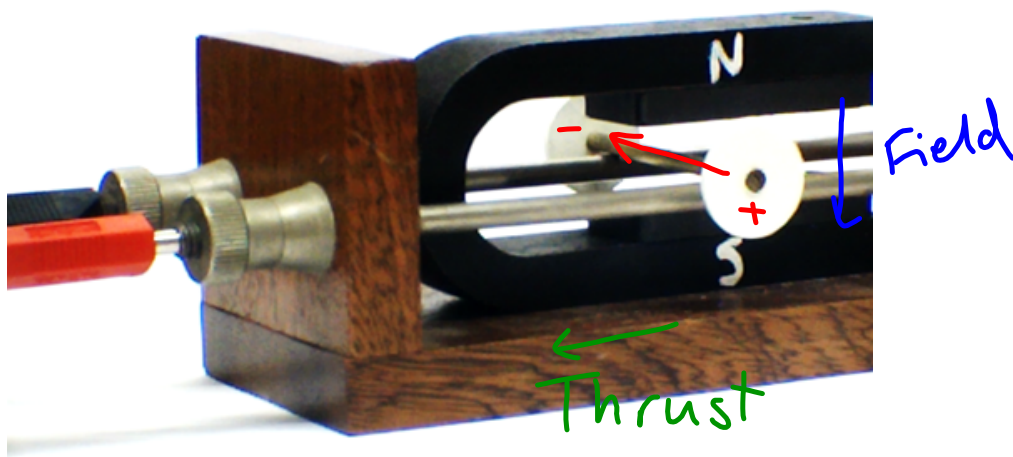


## The motor effect

If a current carrying wire is placed in a magnetic field, the wire experiences a force.

This is called the motor effect.





The force can be reversed by:

reversing the current **OR** reversing the magnetic field.

The force can be increased by increasing the current or the magnetic field strength.

## Fleming's left hand rule

Allows us to find the direction of the force on the wire.

