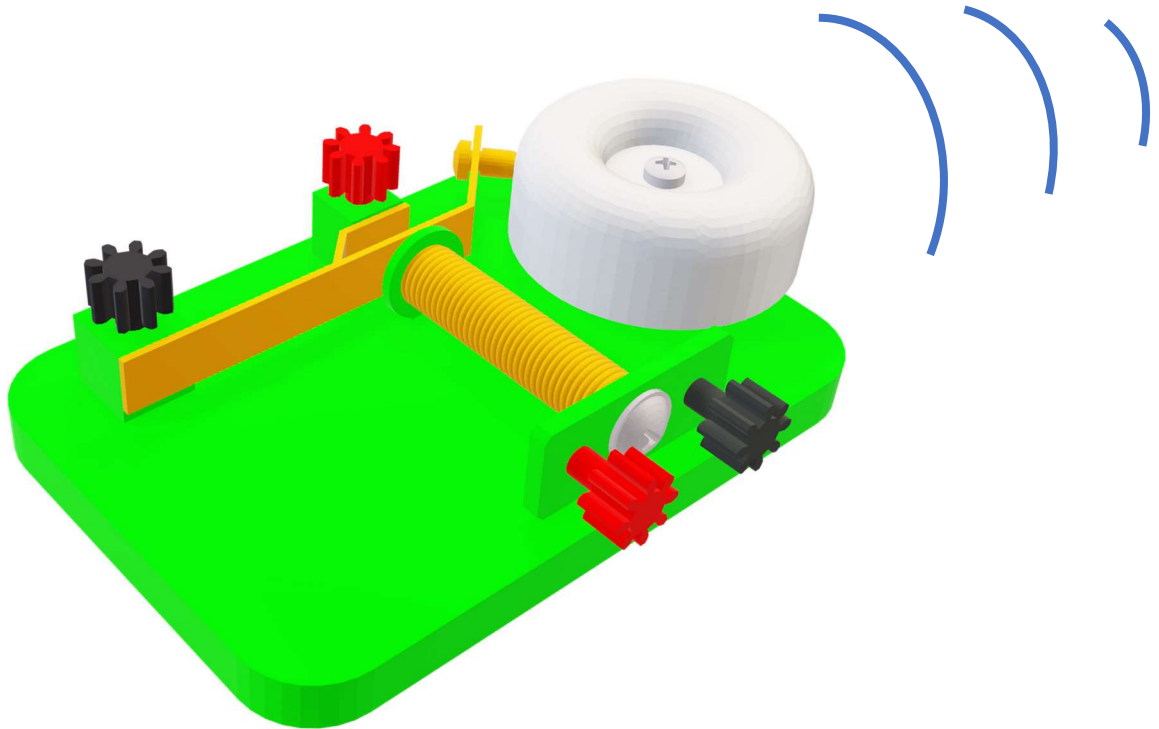




Ring! Ring!



Introduction

An electromagnet is a type of magnet in which a magnetic field is produced by an electric current. The magnetic field can disappear when the current is turned off. An electromagnet device is usually a coil of wire that is wound around an iron core and will become magnetised when a current is applied. The amount of magnetic field generated can be varied by varying the amount of current applied.





This experiment allows students to see the effect of a device becoming magnetised when an electric current is applied. A product that we use in our daily life such as the alarm bell, is also operated using the concept of an electromagnet.

An optional task is also available. The activity allows students to see the changes in magnetic field by varying the amount of current applied.

Alarm Bell



Materials Supplied

	Name	Picture	Qty
1	Single Battery Holder		2
2	Switch Module		1
3	Alarm Bell unit		1
4	Wire Connector		4

Materials Required (Items that are not included)



2 x 1.5 Volts AAA Battery



Variable Resistor Module
(For optional task)



1 x Wire Connector
(For optional task)