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Electromagnet items are quite popular among kids especially among children who are fond of practicing scientific methods on their own devices. It is not at all difficult to make an electromagnet device for your kids that will be easy for them to use. When you make the device for your kid, it becomes easy for the child to adjust with its power and other issues. You can also guide the kid in using the device as you know very well about all its functionalities. It is also quite easy to improve the power of the electromagnets passing bit more extra current through it.

To make useful device of electromagnets for your kids you need few things only that are available at home. You will need an iron nail, insulated wire (copper) of 22 gauge, one battery of six volt, small washers and paper clips. At first, you need removing some insulation from the copper wire. It is because you need to expose a little part of the wire so that you can create an electrical connection between the wire and the battery. Then you have to wrap the half insulated wire around the iron nail. You have to wrap more wire around the nail to make it stronger. Here you also have to be sure that you leave some part of the nail unwound to attach the battery properly with the nail.

The next step of creating device with electromagnets follows by wrapping the wire exactly in the single direction. It is important because the direction of the magnet depends on the way from where the electric comes. The movement of the charges then will create a kind of magnetic field within the nail. Now when the electric current start flowing towards you, the magnetic filed will be noticeable. It will start circulating around the wire in clockwise direction. When you notice this energy, you can be sure that the device is ready to use.

It may be that your electromagnetic device needs repair after a certain time. To repair the device you can search online for magnet repairs tips or can take help of a professional as well. However, when you create the device on your own, it will be easy to repair it following the online directions. It is quite easy and simple to repair the device following the homely tips and to use it again.

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