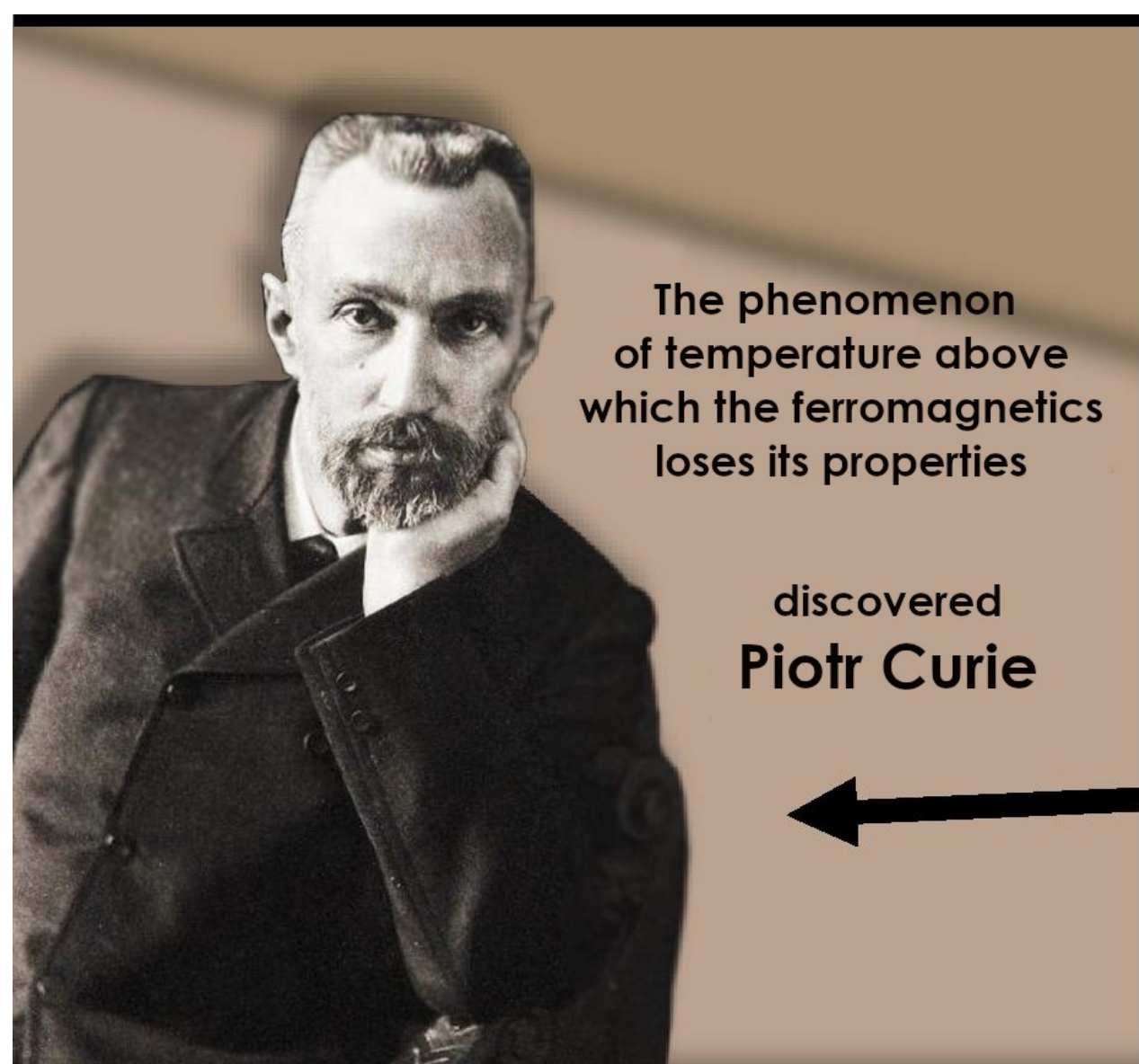


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## Curie engines

The **Curie engine** is a thermal-magnetic engine based on the loss of ferromagnetic properties of the material at Curie temperature.



**Curie temperature:** the temperature above which the ferromagnetics rapidly loses its magnetic properties and becomes a paramagnetic.

In the experiment, we used:

- nickel, a metal with ferromagnetic properties. We used this substance because of its relatively low Curie temperature and market availability.
- a few small neodymium magnets.
- a candle as a source of heat.
- copper wires, because they do not show ferromagnetic properties.

