

**ISTITUTO COMPRENSIVO TRENTO 5**  
**Scuola secondaria di primo grado "G. Bresadola"**  
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# **THE MAGNETIC BOAT**

**Progetto realizzato da**

**Abdullah Sajjad**  
**Luca Tomaselli**

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## A. INTRODUCTION

In this experiment we observe the presence of a magnetic field by seeing what happens if we place a magnet near a needle fastened to a boat floating on water.

## B. PROJECT QUESTION

- Can the boat be moved using a magnet?

## C. PROCEDURE

To do this experiment, we need a stick of wood, a plastic wire, magnets of different sizes, a needle, three corks and a bowl with water.

With all this material we have to:

- 1) Build a boat with three corks and fasten a needle in the middle;
- 2) Build a magnetic fishing rod to attract the needle;
- 3) Place a magnet close to the needle

## D. RESULTS

- The boat is attracted to the magnet;
- The boat follows the magnet.

## E. CONCLUSIONS

We can see that a magnet attracts the needle and makes the boat move, thanks to the magnetic field.