ISTITUTO COMPRENSIVO TRENTO 5

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THE MAGNET AND THE CLIP

Progetto realizzato da

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A. INTRODUCTION

In this experiment we verify the presence of a magnetic field even if there are obstacles between the magnet and the metal. In our case, the obstacles are a glass and the water. We investigate if the magnet is able to attract an iron clip even though they are separated from glass and water and pull the clip out of the water.

B. PROJECT QUESTIONS

- Is the clip in water attracted to a magnet?

- Does the magnet size affect the extraction of the clip?

C. PROCEDURE

To do this experiment, we need two clips of different size, a glass, water and magnets of different sizes. With all this material we have to:

1) Fill the glass with water

2) Drop the clip into the water

3) Place the magnet near the clip and move up the magnet along the glass

D. RESULTS

The clip is attracted to the magnet regardless of the magnet size or the clip size

E. CONCLUSIONS

We can say that in a glass of water the clips are always attracted to the magnet, regardless of the magnet size or the clip size. The magnetic field is a force that can go through objects.