



MATHS

“Magnetic stacking game”

Ref. 20590



MAGNETIC STACKING GAME

Ref. 20580



CONTENTS:

- **2 magnetic supports** and **8 magnetic discs** (2 red, 2 green, 2 blue and 2 yellow), 4 discs for each support.
- **70 example photos of** 13.5 x 7 cm distributed as 35 two-sided cards.
- **2 wooden bases** for supporting the photos.

RECOMMENDED AGES:

From 3 to 6 years.

EDUCATIONAL OBJECTIVES:

A game of **observation** and **manipulation** that allows children to **discover** the “magic” of magnets from an early age. It encourages various aspects of psycho-pedagogical development:

- Attention and perception of details.
- Fine motor skills.
- Visual and manual coordination.
- Spatial structuring.
- Colour discrimination.
- Facilitates the discovery of the properties of magnetism.

METHOD OF PLAY AND RECOMMENDATIONS FOR USE:

The game consists of **stacking the magnetic discs on the support following the order given in the example photos**. By trying to reflect the example photos, the **magnetic effect** provides some fun options for the children to discover: sometimes the discs will stick due to the attraction of their magnetic poles, and on others they will separate due to the opposite effect. This phenomenon facilitates the construction of numerous figures depending on the colour and the magnetic poles of the discs that are put together.

The game offers various **options for use**:

1. **Free play** for discovering the properties of magnetism.
2. **Reproduction of the example photos**: with a photo affixed to the wooden base, the child should try to arrange the discs on the support in the same colour order,



noting whether they are together or separated.

The **example photos** are **numbered from 1 to 70, rising in accordance with the level of difficulty**:

- Photos 1 – 12 (green stripe): using one or two discs
- Photos 13 – 34 (blue stripe): using three discs
- Photos 35 – 70 (red stripe): using four discs

They are organised in such a way that on the front and back of each card you only need to make a small change for the child to discover. To help you classify the photos in order of difficulty, as well as the numbers there is a coloured line on the lower part to differentiate them: green for the easiest, blue for the medium level of difficulty and red for the most difficult.

As there are 2 supports and 8 rings, this game can be played separately **by two children at the same time** (each with 1 support and 4 rings), although other children can join in to play in groups of two or more children for each magnetic support.

ACTIVITIES:

1. Initially the children should **familiarize themselves with the material**: the magnetic support and discs, and **play freely** with them to discover their magnetic properties; first with the support and a disc, and then with two, three and four discs.
2. Once the children have familiarized themselves with the material, you can give them the **photos in order of difficulty**. The children should **place each photo on the wooden base and reproduce it**, taking into account both the order of colours and the separation between discs. Once the example photo has been reproduced, you can turn the card over and reproduce the other side, and so on, until all the 70 example photos have been used.

