

Final project: cultural life

Name: Lama Chidiac

Lesson plan: Exploring Magnetic & Non-Magnetic Materials

Location: Montessori classroom

Age: 5-7 years' old

Time: 25 minutes

Materials:

1. Real-life objects (e.g., paperclip, pencil, spoon, metal key, rubber eraser...).
2. Magnetic wand.
3. 3 Part Cards (Magnetic/Non-Magnetic nomenclature).
4. labeled cards ("Magnetic" and "Non-Magnetic")
5. 2 trays to sort objects

Lesson objectives:

1. The child will explore and classify objects based on magnetic properties.
2. The child will learn scientific vocabulary: *magnetic, attract, repel, metal, non-metal.

Introduction:

In circle time

- The guide enters holding a *magnetic wand behind their back*and engages the children:
- Can you guess what I'm holding? It's something that can 'hug' certain objects without hands!"
- "It sticks to some things but ignores others. Let's find out which!"

Lesson Flow (10 mins):

1. Demonstration:

- Use the magnet to test objects one by one (e.g., "Does the paperclip stick? What about the wooden block?"*).
- Sort objects below labeled cards.

2- Every child alone uses 3 Part Cards Activity: (10 mins)

- Introduce *nomenclature cards* (Image, Label, Control Card) for "Magnetic" and "Non-Magnetic" objects
- Child sort the cards (magnetic non-magnetic).

3- Follow-Up Activity (5 mins)

Magnetic Hunt: Children explore the room to find/add objects to the labeled trays.

Language & Vocabulary:

Magnetic, Non-Magnetic, Attract, Metal, Magnet.