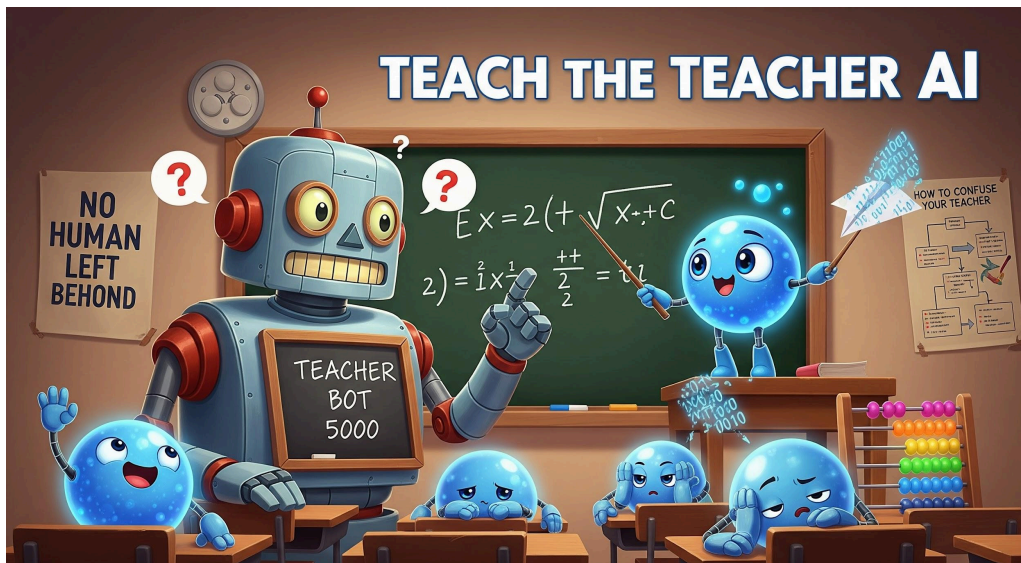# 🌟 "Teach the Teacher AI"

This activity helps children understand how feedback shapes learning—just like Montessori-Instruct helps AI models learn better.

Materials:

- A notebook or blank sheet of paper

- Colored pencils or markers

- A simple sorting set (buttons, Legos, beads, or even leaves from outside)

Steps:

1. Set the Stage. Tell your child: *"Today, you're going to be the teacher, and I'm the student (like an AI). Your job is to help me learn better by giving me feedback."*

2. Round 1 – The Student Tries. The adult (student AI) sorts the objects incorrectly on purpose (e.g., mixing colors, sorting by size when asked to sort by color).

3. **Round 2 – The Teacher Guides.** The child observes and gives you specific feedback: *"No, you should put all the red ones together"* or *"You missed this leaf—it's also big."*

4. **Round 3 – Improved Attempt.** The adult tries again, this time using the feedback. Let the child see that their input made the "student" improve.

5. **Reflect Together.** Ask: *"How did it feel to be the teacher? Did your advice help me learn faster?"*

💡 **Why This Works:**

- **Montessori emphasizes children as active participants in learning.**

- **This activity flips roles, giving the child responsibility and ownership.**

- **It mimics how Montessori-Instruct lets a "student" guide how the "teacher AI" generates better practice material.**