

RAIN CLOUD EXPERIMENT

EXPLORE, EXPERIMENT, AND SCIENCE

LEARNING OBJECTIVE:

To introduce the concept of the water cycle in a simple, visual manner.

Our KG 2 students engaged in a fun and educational hands-on science experiment to explore how rain clouds work as part of the water cycle. Using a simple setup with clear cups, shaving foam, and colored water, the children created their own models of rain clouds. The shaving foam acted as the cloud, while the colored water represented moisture in the air. As the colored water was slowly added on top of the shaving foam, the children observed that once the foam became saturated, the colored water began to fall through—just like rain from real clouds.

This visual and interactive experiment helped students understand how clouds are formed and why rain happens. It also encouraged observation, critical thinking, and curiosity. The children were fascinated by the process and were able to connect it to real-world weather patterns. The activity successfully made a complex scientific concept simple, fun, and memorable.

LEARNING OUTCOME:

They observed that when clouds become too full, rain falls.

DATE: 09-Oct-2025

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