**LESSON PLAN**

**World Meteorological Day**

**WITH THIS LESSON, THE STUDENTS ARE INTENDED TO LEARN THE FOLLOWING:**

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| 1. | Recognize that there is a science that studies phenomena related to meteorology. |
| 2. | Describe the atmospheric conditions of the day, recognizing the most appropriate designation (rainy, hot, cold, windy ...). |
| 3. | Relate the seasons to the characteristic weather conditions. |
| 4. | Recognize the existence of air. |
| 5. | Relate the wind to the movement of the air (currents of air, their orientation and their effects). |

**THEORETICAL CONTEXTUALIZATION OF THE TASK THAT WILL BE CARRIED OUT:**

In the Environmental Studies Program for the 2nd year of schooling, in the Block "Discovering the Natural Environment", students are expected to understand the contents related to the basic elements of the physical environment (air, water, Rocks, soil), the living beings that live in it, the climate, the relief and the stars. More specifically, the physical aspects of the local environment:

• \*\* The time it takes (to record daily weather conditions).

• \*\* Recognize some weather conditions (rainy, hot, cold, windy ...).

• Relate the seasons to the characteristic weather conditions.

• \*\* Recognize the existence of air (conduct experiments).

• \*\* Recognize moving air (wind, air currents ...).

As part of the commemoration of World Meteorological Day, the STEM project team will promote this practical session for 2nd year students, which will aim to broaden the students' knowledge in this area.

**ACTIVITY / EXPERIENCE 1:**

Title: "What is the orientation of the wind" / Construction of a weather vane.

**Material needed:**

• Glass of yogurt

• Pencil with rubber tip

• One pin

• 1 straw

• Cardboard

• Ribbon tape

• Scissors

• Stapler

• Paper base with wind rose designed.

**Methodology:**

* Talk with the students about the wind and its orientation.
* Provide the activity-oriented report to be developed.
* Provide a card with the rose of the winds.
* Build a weather vane.
* Observe the effect of wind.
* Record the observed data.
* Analyze the data.

**ACTIVITY / EXPERIENCE 2**

Title: "The wind and the dunes"

**Material needed:**

• Thin sand

• Board

• Hair dryer

**Methodology:**

• Activity performed by the teacher with the collaboration of the students.

• Discuss with students about the wind and its effects.

• Provide the targeted report of the activity to be developed.

• Observe the effect of wind.

• Record the observed data.

• Analyze the data.