**Lesson Plan**

**Relationship between germination and temperature**

**IN THIS CLASSROOM, THE STUDENTS ARE INTENDED TO LEARN THE FOLLOWING:**

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| 1. | Area of ​​your municipality. |
| 2. | Location of the county on the map of Portugal. |
| 3. | Examples of existing plants in the municipality. |
| 4. | Distinction between forest spot and cultivated plants. |
| 5. | Know the factors that determine the climate. |
| 6. | Analyze the weather in Nelas, based on the records of the Meteorological Station of the School. |

**ACTIVITY / EXPERIENCE**

**Materials Required:** 5 pots / 5 soil thermometers / 25 soaked beans / garden shovel / cultivating soil / graduated cup

**Methodology:**

1. To make known the structure of a seed (cotyledons and embryo)
2. Put soil in each pot
3. Sow 4 beans in each pot.
4. Water each pot with the same amount of water.
5. The water is always collected from the same place.
6. Place in each vial a thermometerApós quinze minutos registar a temperatura de cada vaso.

7- Put the pots in different places of the school.

8- Collect the Weather Station data on irrigation days and before it happens.

**Part II: Data collection**

- Collect vessel temperatures every 2 days before being showered with 30ml of water.

- Collect these data for two months and compare them with those collected by the Meteorological station.

**Part III: Analysis of results**

1. Relate temperature and humidity (watering) with the germination time of each seed and with the place where the pot was placed.

2. Match point one with the data collected at the Station.

3. Construction of a data analysis grid.

**Activity aimed at:** alunos do 1.º ciclo (dos 7 aos 9 anos)