

THE TEMPERATURE OF THE PLANET

The air temperature changes during the day and during the year. Its "normal" course is often influenced by other phenomena (wind, air humidity, cloudiness) and these changes are more or less regular. But scientists believe that average temperatures have been rising in recent years. How is it with you? Learn how to measure temperature and explore how it changes throughout the year in your home. Compare this annual temperature with long-term data.

TEMPERATURE MEASURING

Task No.1

For a period of one month, regularly measure and record the instantaneous, minimum and maximum air temperature. From the data obtained, compile graphs showing the average daily and monthly temperature.

Task No.2

Compare the obtained data with data from previous years available on the website of the Slovak Hydrometeorological Institute. Check if your temperature is rising or falling.

Publish your acquired data! Publish them on the school website, in the local press.

Task No.3

Do It Yourself

High pressure will compress the balloon and the hand will point up.

Accessories:

jam bottle, balloon, rubber band, drinking straw, needle, tape

Project: ACC03P30 „Awareness raising on climate change mitigation and adaptation among school pupils and the public“. The project has been co-financed from the Norway Grants and from the State Budget of the Slovak Republic

Applicant: Spojená škola, Námestie sv. Martina 5, 908 51 Holíč

Programme: „Climate Change Mitigation and Adaptation“

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Procedure:

Stretch a piece of thin rubber from the balloon on the bottle and secure it with a rubber band. Glue a needle to one end of the straw and glue the other to the center of the inflated balloon. Draw a scale on a piece of paper so that the barometer needle points approximately to its center. Write NICE at the top and UGLY at the bottom.

Water barometer

The water barometer has the scale reversed.

Accessories:

bottle with a stopper, a narrow tube open at both ends, a stand, a carton

Procedure:

Fill the bottle halfway with colored water, close it with a stopper through which a tube extending about 30 cm above the neck of the bottle passes. The cup must be sealed airtight. Pour enough water into the tube to fill it about halfway above the stopper. Attach a scale behind it. Upwards it shows bad weather, downwards it shows nice weather.

Task No.4

Suggest how you would reduce the air temperature in your village - town:

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Suggest how you would reduce the air temperature of our planet:

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