

Primary School Dreirosen | Basel | Switzerland

Many different rays!

Causes and consequences of Global Warming

Based on a comic pupils learn about the impact we have on the green house effect. Through the comic they expand their necessary vocabulary and get to understand the correlations why climate change exists.

We present a series of hands-on experiments about the influence of carbon dioxide on climate change for primary school pupils.

The experiments focus on the colors of sunlight, on the detection of infrared light and on the role of colors for absorption and emission. The pupils log their discoveries in a lab journal and transfer them to Earth's thermal equilibrium.

Pupils approach a complex topic through a scientific comic, step by step by performing simple experiments and documenting them in their lab journal.



1 Was ist Sonnenstrahlung?



1. Forscherauftrag: Unterschied zwischen Wärmestrahlung und Licht

Material und Durchführung: Schliesse eine Glühlampe und eine Leuchtstoffröhre oder LED-Lampe an den Strom an. Halte deine Hand zuerst in die Nähe einer Leuchtstoffröhre oder LED-Lampe und anschliessend in die Nähe einer Glühlampe.



Vermutung:
Was denkst du wirst du beobachten oder spüren?

Beobachtung:
Welchen Unterschied siehst du beim Betrachten der zwei Leuchten?

Welchen Unterschied spürst du, wenn du die Hand darüber hältst?

Erklärung:

Why is Earth warming?

It is important that already primary school pupils know about the correlations!