



CLIMATE PROJECT - PLANNING SHEET

Abstract (author's name, content of the planning, age of children):

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Age: 6-18

Content:

The project to visualize global warming using "warming stripes" took place at the Erzbischöflichen Berufskolleg Köln in February 2024. Children and young people dressed up as warming stripes in different shades of color, representing the school's years. The darkest stripe stands for the warmest year, 2023, the year the school dog was born. The highlight of the project was a performance at a school celebration, where the pupils held up colorful letters that formed a short information about the project.

The "warming stripes" visualize temperatures with colors ranging from blue (cold) to red (warm) over time. These temperatures have been rising since the industrial revolution and increased greenhouse gas emissions. Warming stripes for different cities and countries can be downloaded at <https://showyourstripes.info/>.

Development goals:

-Subject-specific competence: The young people recognize the increasing global warming based on a real-life example.

-Methodological competence: They experience that scientific statistics can be easily visualized.

-Self-competence: They recognize that they can make a contribution to combating climate change in their own environment. They practice performing in front of a larger gathering.

-Social competence: They learn that sequences of letters can only be performed with social discipline.

Planning:

-Information/development of the connection between CO₂ increase and global warming

-Inquiry and individual assignment of school-specific birth years, annual temperatures and "warming stripes"

-Mixing the colors and painting the individual painting suits

-Development of the texts to be shown and assignment of the letters; determination of the background music, the presenters

-Practicing the performance

Resources:

-Materials: Painting suits, masking material, cups, brushes, paints, Edding Pens (for years, temperatures, letters), paper.

-Rooms, classroom, outdoor area, assembly hall

-Time required. At least 6 teaching units (90 minutes)

-Group size: 8 - 28 people

-Further information:

<https://umweltindikatoren.nrw.de/klima-energie-effizienz/warming-stripes>

Feedback:

In the actual project, an additional task for the 18-year-old students was to purchase the paint suits and paints from DIY stores. Painting the suits was difficult and sometimes chaotic. An appearance in painted T-shirts or with painted cardboard signs is more suitable for younger groups.

