

# CLIMATE PROJECT - PLANNING SHEET

**Title:** CO2 Puzzle

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**Age:** 2-5

**Content:**

The children use puzzles printed with the CO<sub>2</sub> stripes. By spending more time with the strips, they can better visualize the course and annual variability. Carbon dioxide (CO<sub>2</sub>) is a greenhouse gas whose concentration increases due to the burning of fossil fuels. In summer, trees absorb CO<sub>2</sub> through photosynthesis, which leads to less CO<sub>2</sub> in the atmosphere. In winter, the trees lose their leaves and more CO<sub>2</sub> remains in the atmosphere.

**Development goals:**

- Understanding the increase in CO<sub>2</sub> concentration in the atmosphere
- Understanding the annual variation of the CO<sub>2</sub> concentration in the atmosphere

**Planning:**

At the beginning, we talk to the children about greenhouse gases, what CO<sub>2</sub> is and why its concentration in the atmosphere is increasing. They also talk about the annual course of the concentration. So that the children can visualize it and devote more time to the process, they put together puzzles on which the CO<sub>2</sub> stripes are printed.

**Resources:**

Self-printed puzzle with the CO<sub>2</sub> stripes that can be found on the Cicli website.

**Feedback:**

The older the children are, the more puzzle pieces the printed puzzle can have. The photo providers offer puzzles with different numbers of pieces.