

CLIMATE PROJECT - PLANNING SHEET

Title: Weather Book

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Age: 3-10

Content:

The children create a creative weather book. The book graphically displays the daily weather and temperature. At the end, they have a book that shows the weather from the past year. In doing so, the children should learn that there is a difference between weather and climate and how the temperature changes over the course of a year. Weather describes short-term conditions in the atmosphere, such as precipitation. Climate refers to the average of these weather conditions over longer periods of time, typically 30 years.

Development goals:

The children learn the difference between weather and climate and that the weather changes daily. They also learn that the temperature changes over the course of the year. In doing so, they learn to assign numerical values to perceived temperatures. This is how they get to know numbers and thus develop a basic understanding of mathematics. In addition, the children develop a feeling for the weather forecast and a sense of responsibility as they work on the book every day of the year.

Planning:

At the beginning, the children are taught about weather and climate – and that weather can change quickly and that the temperature is warmer in summer than in winter.

Every day, the children look at the weather forecast and paint on a piece of photo mounting board (there is one for each month) with boxes for each month, the minimum and maximum temperature. They use the colors specified for each month (there are 20 different colors, each assigned to a temperature range, for example in two-degree increments). Alternatively, coloured paper can be cut out in different colors and stuck on. In addition, the children look out the window and determine the weather: Is it sunny? Then they paint a sun in the box (or rain, snow, clouds). Alternatively, stickers with weather symbols can be used.

Resources:

- 12 sheets of coloured cardboard, one for each month, on which a box is drawn for each day
- 40 pens or pieces of colored construction paper (mark the pens/construction paper according to temperature, for example: one pen for colder than -4°C , one for between -4°C and -2°C , and so on in 2°C steps)
- a folder to file the sheets
- scissors and glue, depending on the design; and stickers with weather symbols

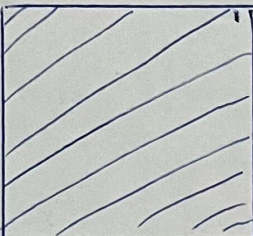


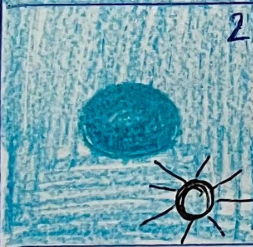
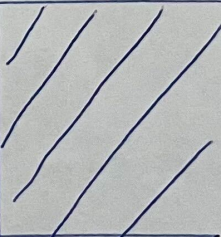
Feedback:

If you have younger children, you can also talk about what they should wear and whether they need a hat or a sun hat. This can also be drawn on.

A more complicated version for older children is available here:

<https://joavery.co.uk/temperature-quilts-for-2024-and-a-moxie-upgrade/>

Januar

Montag		6	13	20	27
Dienstag		7	14	21	28
Mittwoch	1 	8	15	22	29
Donnerstag	2 	9	16	23	30
Freitag	3	10	17	24	31
Samstag	4	11	18	25	
Sonntag	5	12	19	26	