

Exploring Clouds

By Chase, Joanne, and Kirsten



We are going to go on an adventure and explore the wonderful things about clouds. We will learn how to construct, graph and form clouds throughout our time together. Let us begin our day of exploration and adventure.



Stop #1: Holl-Kintner Room106

Cloud Construction



Cumulus Clouds

- puffy
- white
- look like floating cotton



Cirrus Clouds

- thin
- wispy
- long streamers



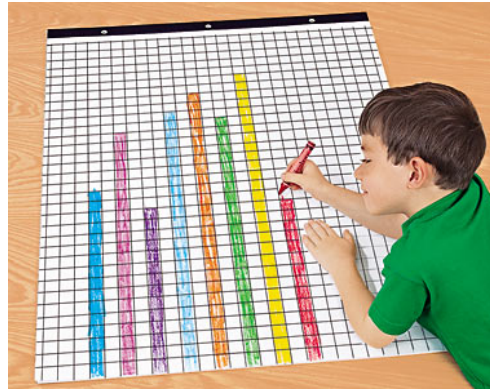
Stratus Clouds

- gray
- cover the sky
- look like fog in the sky

Joanne is going to walk us through the 3 basic cloud types. The pictures on the left show pictures and descriptions of the 3 basic clouds. After we learn the different cloud types, we will construct our own cloud. We will use tempera paint, cotton balls, construction paper, and markers.

Stop #2 Football Field

Cloud Watching



We will gather around on the football field with Kirsten. We will all lie on our backs and observe what clouds are in the sky today. As we observe the clouds, Kirsten will work with us on graphing the different types of clouds that we see.

*****Stop at a the observatory and read *Little Cloud* by Eric Carle!*****

Stop #3 The Mall outside Holl-Kintner Room 106

Mystery Cloud Making



We are going to watch Chase make a cloud form in a jar. He is going to ask us to make one observation on what we see happening in the jar. Next, we are going to observe and touch the evaporation from dry ice. We will observe what we see and feel.

Teacher Page



Standard: 2.2.3 Chart and graph weather observations such as cloud cover, cloud type, and type of precipitation on a daily basis over a period of weeks

Stop #1 Holl-Kintner 106: Construction of Clouds

- Objective: After the cloud lesson, the students will construct a least one of the three basic cloud types.
- Assessment: Paper Construction of one cloud type.
- Source: <http://eo.ucar.edu/webweather/cloud3.html>

Stop #2 Football Field: Cloud Watching

- Objective: After cloud watching the students will classify the clouds into 3 groups.
- Assessment: Students will count the clouds and label the graph.

Stop #3 The Mall by Holl-Kintner 106: Mystery Cloud Making

- Objective: After observing the teachers make a cloud in a jar and after feeling the vapor from dry ice, the students will verbalize one observation.
- Assessment: Student will verbalize one observation.

Materials Needed

- 2 to 4 bags of cotton balls
- 2 containers of gray paint
- Water
- Container to mix paint & water
- 3 to 5 boxes of 8 count crayons
- Dry ice
- 3 canning jars
- 1 pack of matches
- 3 ziploc bags
- Small bag of crushed ice
- Large pieces of blue construction paper
- Paint brushes
- Clipboards