

YOUTH ART PROJECT FOR:

METEOROLOGY

OBJECTIVE

Students will learn about Meteorology and cloud formation.

Set up/prep time:

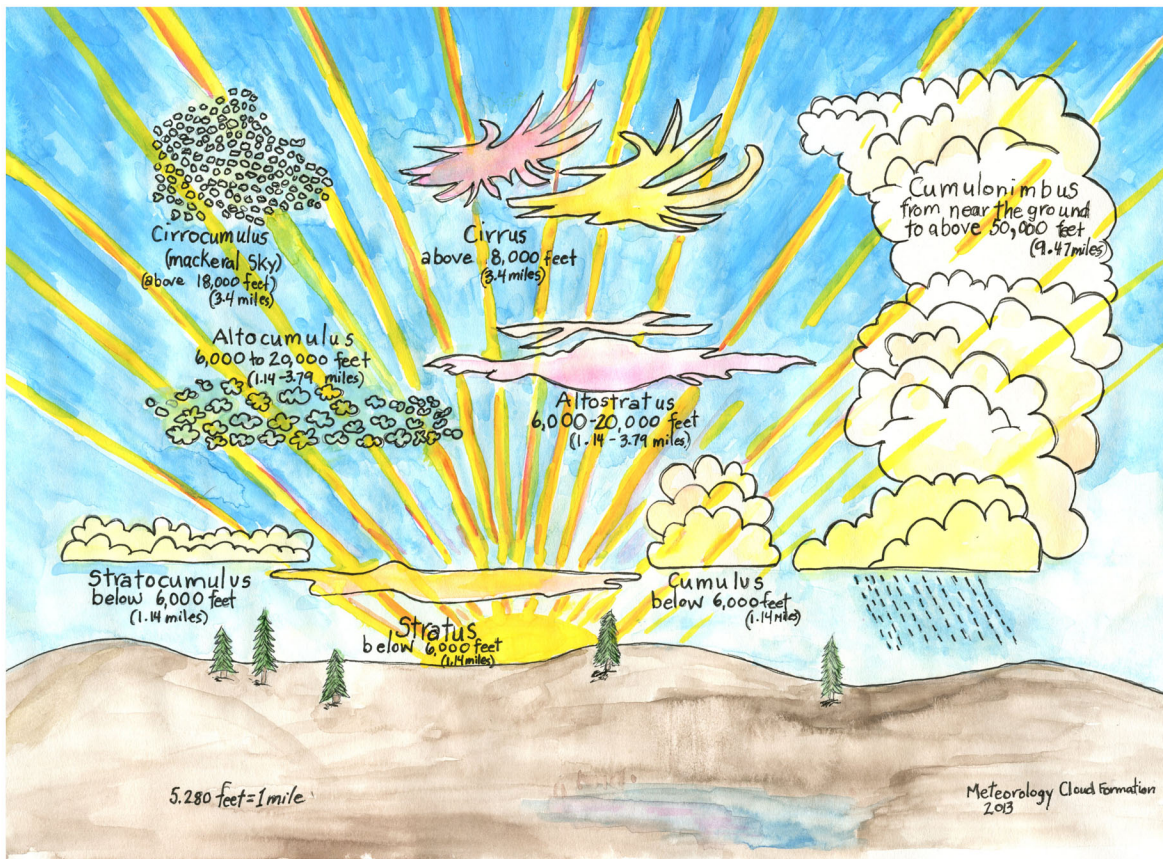
30 minutes

Activity Time:

1-2 hours

Materials Needed:

Watercolor, paintbrushes, water, containers for water, paper towels, pencil, fine point black pen, eraser, and paper.





COMMON CORE STATE STANDARD

ELA-CCSS.ELA-Literacy in Science.RST.6-8.7 Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

PRE LESSON ASSESSMENT

Do a pre-lesson assessment to determine what the students already know about meteorology.

VOCABULARY

Cirrus, Cirrocumulus, Altocumulus, Altostratus, Cumulonimbus, Stratocumulus, Stratus, and Cumulus

RELEVANT RESOURCES

Content

<http://en.wikipedia.org/wiki/Meteorology>

http://www.weatherquestions.com/How_do_clouds_form.htm

<http://www.knowwhy.com/why-do-clouds-form/>

http://en.wikipedia.org/wiki/List_of_cloud_types

Art

<http://www.wikihow.com/Draw-Clouds>

<http://eo.ucar.edu/webweather/cloud3.html>

http://www.crh.noaa.gov/lmk/?n=cloud_classification

Students will engage in:

- Listening
- Speaking
- Reading
- Writing
- Partner Work
- Cooperative Learning
- Whole Group Instruction
- Visuals
- Hands on
- Technology Integration
- A Project
- Centers
- Simulations
- Activities

*"I'm a dreamer.
I live to dream and
reach for the stars,
and if I miss a star
then I grab
a handful of clouds."
-Mike Tyson*





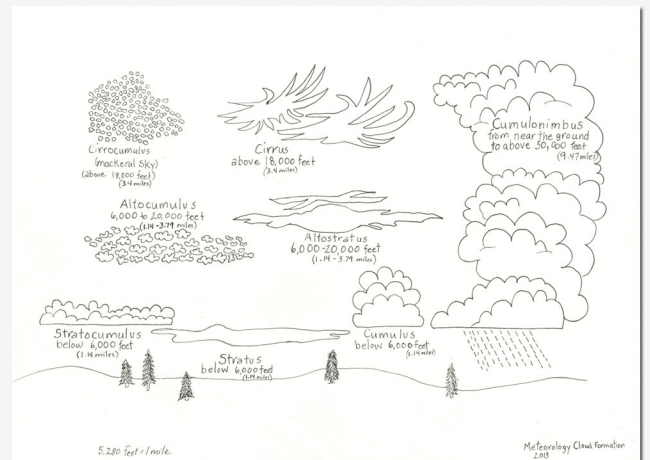
STEP 1

Starting with a blank piece of paper have the students lightly draw the eight different types of clouds in pencil. Make sure they make them big. The links (under relevant resources) will help with finding examples of these clouds.



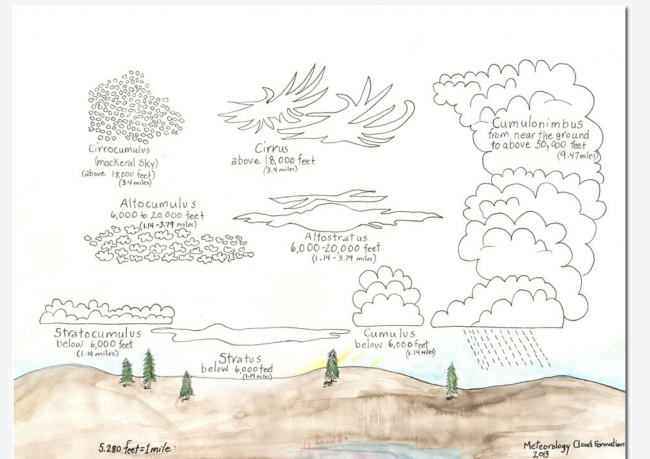
STEP 2

Once the students are done with the pencil outlines of their clouds have them go over their markings with a black fine point marker. Have them erase the pencil marks after they have gone over the lines with their pen. Have the students label each cloud by its name. They should have the following clouds drawn; CIRRUS, CIRROCUMULUS, ALTOCUMULUS, ALTOSTRATUS, CUMULONIMBUS, STRATOCUMULUS, STRATUS, and CUMULUS. Have the students label the height of each cloud in both feet as well as miles.



STEP 3

Have the students then color their artwork using watercolors. Using their creativity the students can add whatever details they wish such as a sun, birds, lake, ponds, trees, etc. Remind the students when painting the sky to have the sky be a darker blue as it moves outward further from the ground towards outer space. Once this is done have the students write on a blank piece of paper all they have learned about the earth's clouds.



POST LESSON ASSESSMENT

Do a post assessment to determine what new knowledge the students have gained about Meteorology.