



## Unit/Lesson Plan Template

**Unit/Lesson Plan Title:** Clouds / Weather

**Subject:** Science

**Grade Level:** 2

**Length of Unit/Lesson:** 2 weeks

**Unit/Lesson Summary:** Students will learn about clouds and weather in the classroom. Additional information will be shared through 2 sets of 6 thirty minute weekly centers including Media and Technology. Art will create Cloudy with a Chance of Meatball Art and Music will create and record weather sounds and storm. 5th Grade Reading Buddies will combine with 2nd graders to create a podcast (or record using Keynote) about weather. Students will include their Music / Art and information learned and send to iTunes for sharing on the iPods.

**Key Vocabulary:**

**Essential Question(s):** How do different types of weather affect me?

**NCSCOS Essential Standards/ESOL objectives Addressed in Unit/Lesson:**

**Materials/ Resources** (also list web resources, technology tools and safety requirements):

Prior to the weather centers we read the material in our science books about weather, read Cloudy With A Chance of Meatballs and did a writing activity. Students went to Horizon's and had a presentation on weather in space. Guest speaker Kelly Franson from WBTV came and talked to the students about weather.

**Procedure:** 4 classrooms of students were divided into 6 groups for rotation through the following centers. Centers were 30 minutes each. Done on Wednesday mornings for 2 consecutive weeks.

**Technology Center 1** - Computer Lab with Tech Facilitator - Week 1 & 2 - Create a Comic Life page of Clouds introducing themselves to each other. Begin by discussing Copyright issues. Drag photos from Resources into iPhoto.

Discuss the types of clouds and their characteristics. Open Comic Life template. Drag in Photos. Write captions that include the name of the cloud and at least 1 characteristic. Must be written as if the clouds were talking. Took 2 weeks to complete and print.

## **Center 2 - Media -**

Week One - Used the video projector and laptop to introduce the students to [www.ncwiseowl.org](http://www.ncwiseowl.org). Weather was the topic that was searched to explain the various features of the Elementary Zone. Touched on internet safety by reminding the students to use the internet with parent supervision and permission. Explained that NC Wiseowl is a safe site to visit.

Week Two - Used the video projector and document camera to show the students the various book resources available in the media center. Using weather as the topic the students looked at encyclopedias, dictionaries, and other weather related reference books.

**Center 3 - Mrs. Hogge's Room - Week One -** Create a water cycle lesson where I showed the students through 2 experiments how to make rain and a cloud. Used Promethean FLP to show the cycle.

Week Two - we made a water cycle wheel which showed the cycle in pictures.

**Center 4 - Mrs. Kelly's Room -** Flipchart on What is Weather? Tools we use to measure weather. Different storms and clouds. Then we watched a slide show from "PopBrain Jr." on the seasons. At the end of the session we took a class quiz from the Activboard. On the second day of rotation we made the different clouds out of cotton balls and paint. They made one by themselves and labeled them.

**Center 5 - Mrs. Walser's Room -** Created a Tornado in a bottle using water, vinegar, dish soap and a little glitter. Recipe on the Internet. Let students swirl bottles to create a tornado. Then showed students images from the Internet of an actual tornado.

## **Center 6 - Ms. Jacob's Room -**

Week 1) Briefly discussed different tools for measuring weather (used keynote to view pictures); focused on the anemometer; created anemometer out of Dixie cups, pushpins, staples and a pencil; worked in groups of 4 or 5

Week 2) Reviewed most of the weather terms learned throughout the unit; viewed pictures through keynote and had students discuss words; played weather bingo and required students to tell meaning of words to officially "get Bingo"Used Keynote to...

**Music -** Used many different instruments to create rain sounds. Recorded each using Garage Band. Then created a storm with teacher directing each weather

sound in and fading out. Storms were exported to iTunes and saved in Collaboration folders.

**Art** - Created Art based on the movie *Cloudy with a Chance of Meatballs*

**Culminating Activity** - Create a keynote or podcast combining knowledge learned about weather. Use Photo Booth to take a picture of student created art. Include songs saved in collaboration. 5th grade reading buddies will help students record a narrative to accompany their keynote or record in Garageband. Files then exported to iPods for sharing.

**Unit/Lesson Accommodations for Differentiated Instruction**

**Enrichment:** Invite a local Meteorologist / Weatherman / Weatherwoman to visit and talk with students.

**Remediation:** Encourage slower students by pairing them with an older group of students like Reading Buddies to assist with the project.

**Cross Curricular Extension:** Reading Centers that week focused on weather

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