



## Clouds

**Unit/Lesson Plan Title:** Clouds

**Subject:** Science

**Grade Level:** 5

**Length of Unit/Lesson:** one week

**Unit/Lesson Summary:**

**Key Vocabulary:** multimedia, copyright, import, text, image

**Essential Question(s):**

Technology: How can I use multimedia tools to present information? What are different ways to evaluate the work of others?

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

Science:

3.03 Describe and analyze the formation of various types of clouds and discuss their relation to weather systems

Technology:

1.11 Demonstrate appropriate use of copyrighted materials in word processing documents used for content projects/assignments.

1.12 Recognize and explain the advantages and disadvantages of using multimedia to develop content area projects/products.

1.13 Identify and discuss multimedia terms/concepts.

1.14 Demonstrate knowledge of Copyright and Fair Use Guidelines by explaining selection and use of resources in content projects/assignments.

2.07 Identify, discuss and use WP/DTP menu/tool bar terms/concepts (e.g., import, portrait, landscape, copy and paste between two documents) to describe assignments/projects.

2.16 Recognize, discuss, and/or use email/videoconferencing/webconferencing as a means of interactive communications.

### **Materials/ Resources:**

WeatherWizKids internet site

iPhoto software

Keynote software

iChat software

digital notecard template in Resource Folder

### **Procedure:**

Students will visit the computer lab to take digital notes with a partner about clouds using the WeatherWizKids website. They will also use the internet to collect pictures of each cloud type and import them into iPhoto. Students will then create a presentation to explain each cloud type and the type of weather that is associated with each, including both text and graphics. They will cite each source of information and pictures. Upon completion, students will evaluate other presentations by giving compliments and suggestions for improvement. Students will use iChat to evaluate one other student's presentation by chatting to them at least one compliment and one suggestion for improvement. Random students will then choose compliments and suggestions to share with the class. Students will evaluate this unit by using iChat to give compliments and suggestions to the tech facilitator. These will be displayed on the Promethean Board and discussed to get further feedback from students.

**Unit/Lesson Accommodations for Differentiated Instruction**

**Enrichment:** Use *GarageBand* to create loops for "cloud" music. Send to iTunes and use in the slideshow as background music.

**ESOL and Remediation:** Pair students up for entire project

**Cross Curricular Extension:** Students could write from the point-of-view of a particular cloud type telling about themselves and the weather they are associated with.

**Assessments:** Student projects will be scored using a rubric.

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