

<p>LCM Lesson Plan: Exploring Clouds. Standards: English/ LA A4 Science A4, B1 Cultural Standard B1(teacher standard) Science concept: Students will know that different types of clouds help predict the weather.</p>	<p>Name Jan Vanasse Grade level 1st-2nd M.E. School</p>	
	<p>Process Skills</p>	<p>Materials</p>
<p>Gear- Up: Does anyone know what clouds are? How are clouds alike? How are they different? Read “The Cloud Book” by Tomie de Paola. Discuss and record information about the cirrus, cumulus, and stratus clouds. Illustrate the different types of clouds.</p>	<p>communication comparing inferring</p>	<p>cotton glue construction paper 1 liter clear plastic bottle with cap water matches</p>
<p>Explore: Then go outside and look at today’s clouds. Write down details of what you see. Draw and paint a picture of the shapes and colors you see.</p>	<p>observing communication</p>	<p>“The Cloud Book” by Tomie de Paola watercolor paints paint brushes</p>
<p>Generalize: Ask kids “Are all clouds the same shape? Are all clouds the same color? How are cirrus clouds different than stratus clouds? What kind of vegetable do cumulus clouds remind you of? Why? How is fog similar to clouds? How can clouds help predict weather?”</p>	<p>communication inferring comparing</p>	<p>Vocabulary clouds cirrus cumulus stratus atmosphere</p>
<p>Apply/Assess : Using cotton balls, construction paper, and glue make pictures of cirrus, cumulus, and stratus clouds. Your pictures need to explain what kind of weather can be predicted if you see these kinds of clouds. Go over rubric before starting.</p>	<p>communication comparing</p>	<p>“mares’ tails” cauliflower snow flurries fog</p>
<p>Extensions: Do the “Cloud in a Bottle” activity. Use a clear liter bottle. Add a few drops of water. Light a match and put it in bottle. Put on lid. It creates a “cloud in a bottle.” Write cloud poems and read more about clouds.</p>	<p>communication inferring observing</p>	

Rubric for LCM on Exploring Clouds

Emerging	Developing	Proficient	Advanced
2 or less clouds formed with cotton balls. Clouds can't be distinguished apart.	2 or more clouds formed correctly with cotton balls and labeled. (See details below)	All 3 cloud pictures labeled with cotton balls formed correctly. (See details below)	All 3 clouds formed correctly. Pictures labeled and spelled correctly.

*Cirrus clouds are high in the sky and feathery. They look like “mares’ tails.

*Cumulus clouds are puffy clouds that look like cauliflower. They are low in the sky.

* Stratus clouds are blankets of gray clouds that are low in the sky. Drizzle or snow flurries may fall from them.