Date: May 4 to May 8, 2015

Subject Matter: Science
Course/Grade Level: 8th grade
Lesson Title: Storms
Time Period: 5 Days

Procedures for Meeting Objectives:

Monday, May 4, 2015

Bell Ringer:

We see these types of alerts on television often. Out of the ordinary weather that can cause damage or harm is...?

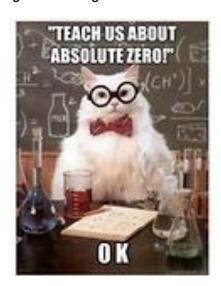
Best Answer:

Severe weather.

Next segment of class:

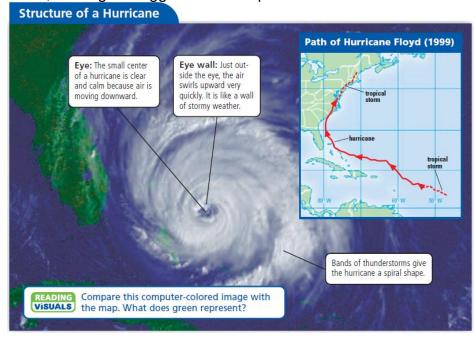
Students will do SSR for the next approximately five (5) minutes of class.

Figure 1 Next segment of class. Science joke of the day



Next segment of class (Brief lecture):

Tropical storms and hurricanes generally move westward with the trade winds. Near land however, they will often move north, south, or back eastward. As long as a storm stays above warm water, it can grow bigger and more powerful.



Next segment of class:

On the Parr-class.tripod.com home page, students will then click on "3.2 Low Pressure Systems Can Become Storms". SSR when done.

- o Answer (3) Check Your Reading questions.
- o Answer (1) Reading Visuals questions.
- Answer (3) Key Concept questions at the end (Total of 7 questions).
- Pre-Ap Only: Also Answer Challenge question at the end (Total of 8 questions).

Exit Card:

What is the source of a hurricane's energy?

Best Answer:

Warm water is the source of a hurricane's energy.

Tuesday, April 28, 2015

Bell Ringer:

What can you tell from the first name of an air mass category?

Best Answer:

The first name of an air mass category tells whether the air mass formed over land or water.

Next segment of class:

Students will do SSR for the next approximately five (5) minutes of class.

Next segment of class (Brief lecture):

Air masses can travel away from the regions where they form. They move with the global pattern of winds. In the United States, air masses generally move from west to east.

Next segment of class:

On the Parr-class.tripod.com home page, students will then click on "3.1 Weather Changes As Air Masses Move". SSR when done.

- o Answer (4) Check Your Reading questions.
- o Answer (3) Reading Visuals questions.
- Answer (3) Key Concept questions at the end (Total of 10 questions).
- Pre-Ap Only: Also Answer Challenge question at the end (Total of 11 questions).

Exit Card:

What does **each** word of a air mass name tell us?

Best Answer:

Each word of an air mass name gives us the *characteristics* of an air mass.

Wednesday, April 29, 2015

Testing

Thursday, April 30, 2015

Bell Ringer:

What kind of air mass would form over Indiana?

Best Answer:

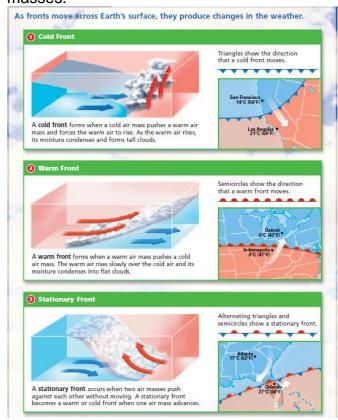
The kind of air mass that would form over Indiana is a Continental air mass. An air mass over dry land.

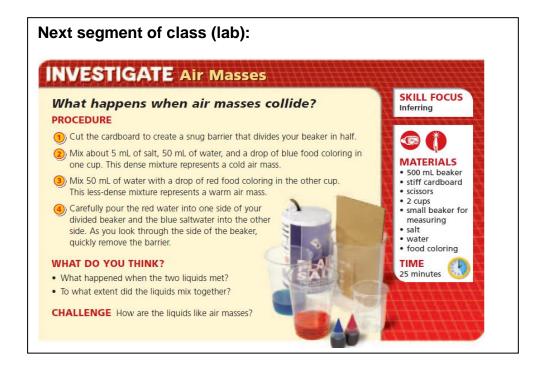
Next segment of class:

Students will do SSR for the next approximately five (5) minutes of class.

Next segment of class (Brief lecture):

When a new air mass moves over an area, you can expect the weather to change. Perhaps you have heard a weather forecaster talk about fronts. A *front* is a boundary between air masses.





Exit Card:

When does a cold front form?

Best Answer:

A cold front forms when a cold air mass pushes a warm air mass and forces the warm air to rise.

Bell Ringer:

When does a cold front form?

Best Answer:

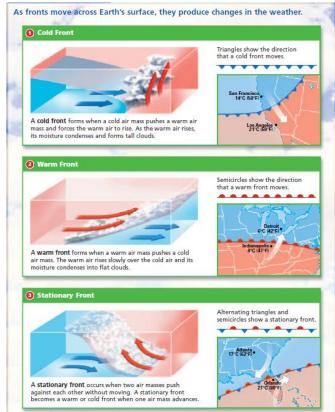
A cold front forms when a cold air mass pushes a warm air mass and forces the warm air to rise.

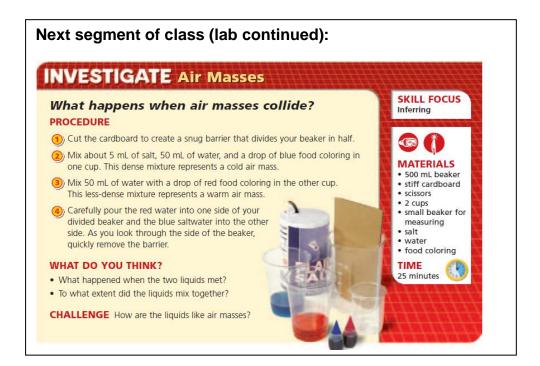
Next segment of class:

Students will do SSR for the next approximately five (5) minutes of class.

Next segment of class (Brief lecture):

When a new air mass moves over an area, you can expect the weather to change. Perhaps you have heard a weather forecaster talk about fronts. A *front* is a boundary between air masses.





Exit Card:

How does a warm front form?

Best Answer:

A warm front forms when a warm air mass pushes a cold air mass. The warm air rises slowly over the cold air and condenses into flat clouds.