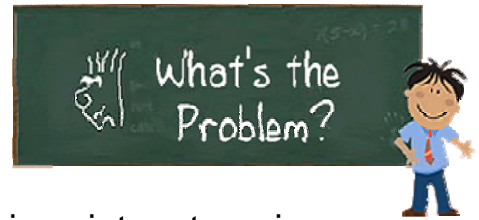


# Teacher Instructions:



**Problem Scenario:** “*The Winter Storm*”

**The Main Problem:** You are a meteorologist, and a major winter storm is preparing to strike in your area. What are you going to look for as the storm approaches and hits, and how will that impact what action you take as a meteorologist?

Your students will be viewing this problem from an **integrated** perspective.



***How do you deal with a storm that you know is coming?***

*Students will review maps and methods for tracking winter storms, and make decisions about what warnings should be given and precautions should be taken as the storm approaches.*

## Step ①

**Review  
Stimulus  
Items**

**Stimulus Item #1 — “The Winter Storm” (video)**

**Stimulus Item #2— Winter Storm — maps**

**Stimulus Item #3— “Winter Storm Precautions” (checklist)**

*\*\*Students should take notes as they review the Stimulus Items*

## Step ②

**Classroom  
Discussion**

Lead a **class discussion** about issues related to the topic. You are being provided a sheet to help you guide the classroom discussion.

## Step ③

**Student  
Response**

**Extended Responses:** Have students answer the following questions using the online assessment system. Remind students to use information from the Stimulus Items to support their response.

1. **You are a meteorologist (the person who forecasts the weather on the news) who is monitoring a winter storm moving into the area. What is your role as a meteorologist as the storm approaches?**
2. **How does your role as a meteorologist shift when an approaching winter storm finally hits the town?**

**Product Option:** Divide your students into small groups, and each group will conduct a **weather report** in front of the class as if they are reporting real-time information about the winter storm. The report should focus on informing the public, offering educated predictions, and giving appropriate precautions. Because weather is unpredictable, the student “meteorologists” must explain the likelihood of different scenarios and why the public has to be aware of each one.

*\*\*\*students should have access to their notes as they enter their answers*

*\*\*\*students may also have access to the Stimulus Items as they enter their answers*

## Step ④

**Analysis**

Rubrics to grade student entries have been provided, and all questions have been mapped to the content standards. Results can be analyzed through the online system.