

Pre-Work Assignment: Severe Weather

Purpose

This pre-work will prepare you for our upcoming lesson on severe weather in North Texas. It will help you learn important vocabulary and begin thinking about weather safety. **Please complete the following tasks before our next class:**

1. Artwork Analysis

Examine the two paintings on the pages below. Imagine you are the artist.

- What title would you give painting #1?
- What title would you give painting #2?

2. Weather Vocabulary

Make a list of 8-10 words you would use to describe the storm conditions in these paintings. Refer to the attached vocabulary list, if needed. Categorize your words by:

- Sea conditions (waves, etc.)
- Sky conditions (clouds, etc.)
- Emotional impact (feelings the storm creates)

3. Visual Comparison

Write 5-8 sentences that explain:

- The differences you notice in how each artist portrays the people
- The differences you notice in how each artist portrays the storm
- Which painting creates a stronger emotional response for you and why

4. Personal Connection

- Think about a time you were in a storm. Write 3-5 sentences describing the storm and how it made you feel.
- There are many sayings in English related to weather, including “April showers bring May flowers.” Write down at least one weather-related expression or saying from your culture.

Weather Vocabulary Words

Word/Phrase	Part of Speech	Definition	Sample Sentence
Atmospheric	Adjective	Relating to the atmosphere or air	The atmospheric conditions were perfect for stargazing.
Breeze	Noun	A gentle wind	A cool breeze provided relief on the hot summer day.
Blustery	Adjective	Characterized by strong winds	Children struggled to walk steadily in the blustery autumn day.
Crack	Noun	A sudden loud noise of thunder	The crack of thunder startled everyone in the room.
Cyclone	Noun	A large-scale, circular wind system rotating around a central area of low atmospheric pressure	The meteorologists tracked the massive cyclone as it approached the coastline.
Downpour	Noun	A heavy fall of rain	The sudden downpour caught everyone without umbrellas.
Drizzle	Noun	Light rain falling in fine drops	The gentle drizzle created a misty atmosphere over the city.
Dust Storm	Noun	A meteorological phenomenon common in dry regions where strong winds carry large amounts of sand and dust	The approaching dust storm turned the sky an ominous brown color.
Forecast	Noun	A prediction of future weather conditions	The meteorologist shared an accurate forecast for the weekend.
Gusty	Adjective	Characterized by strong, intermittent winds	The gusty conditions made it difficult to walk in a straight line.
Hail	Noun	Balls or lumps of ice that fall during thunderstorms	The car's windshield was severely damaged by golf ball-sized hail.
Heat Index	Noun	A measure of how hot it feels when relative humidity is combined with the actual air temperature	The heat index reached 110 degrees, making it dangerous to be outside.
Humid	Adjective	Containing a high amount of water vapor in the atmosphere	The humid air made it feel much hotter than the actual temperature.

Lightning	Noun	A bright flash of electrical discharge between clouds or between a cloud and the ground	A sudden lightning strike illuminated the dark, stormy night.
Meteorological	Adjective	Related to the science of weather	The meteorological research center predicted unusual climate patterns.
Microbursts	Noun	Intense, localized downdrafts that can cause significant wind damage	The sudden microburst knocked down power lines and uprooted trees.
Misty	Adjective	Covered with or characterized by fine water droplets	The misty morning obscured the distant landscape.
Precipitation	Noun	Rain or snow	Precipitation fell from the dark clouds just as we started our picnic.
Siren	Noun	A loud warning device used to alert communities about severe weather	The emergency siren wailed across the town, signaling imminent danger.
Straight-Line Winds	Noun	Powerful winds that move in a straight path, unlike the rotating winds of a tornado	The straight-line winds flattened entire crop fields in minutes.
Storm	Noun	A violent disturbance of the atmosphere	The approaching storm threatened to cancel our plans.
Sweltering	Adjective	Extremely hot and humid	We sought shelter from the sweltering heat during the afternoon.
Thaw	Verb	To melt	The warm spring sun began to thaw the winter ice.
Thunder	Noun	The loud rumbling sound caused by lightning heating the air	Deep thunder rolled across the sky, shaking the windows.
Tornado	Noun	A violently rotating column of air extending from a thunderstorm to the ground	The tornado tore through the countryside, leaving destruction in its wake.
Tornado Warning	Noun	An alert indicating a tornado has been spotted or indicated by weather radar	When the tornado warning sounded, we quickly moved to the storm shelter.
Tornado Watch	Noun	A weather alert indicating conditions are favorable for tornado formation	The entire county was under a tornado watch throughout the afternoon.

Painting #1



Painting #2

