

Grade 4	Lesson: 1-7 The Importance of Weather	Reference to English
Standard(s): 1.OA.1		Domain:
Content Objective(s):		Language Objective(s):
Evaluate the accuracy of student and professional weather forecasts. Relate weather forecast accuracy to evidence or tools used to make the forecast		Describe how weather and forecasts affect people's lives.
Essential Understanding:		Academic Vocabulary for Word Wall: Listen: Read: Write: Speak:
Materials: • "My Weather Book" (1 per student)		Additional Lesson Vocabulary: Sentence Frames:
Lesson: The Importance of Weather		Instructional Time:

Opening: (10 minutes)

T: Look at the clothes you are wearing today.

T: Why are you wearing them? Why are you wearing shorts instead of long pants? Why are you wearing a sweat shirt instead of a t-shirt? Are you wearing sandals or boots? Why?

- Briefly discuss as a class or in small groups why they are wearing their clothes. (like them, parents chose them, the weather, it is cold, it is hot, it is raining, etc.)

Introduction to New Material (Direct Instruction): (7 minutes)**Guided Practice: (10 minutes)**

Weather is Important:

T: What is weather? How would you define it?

- Refer back to the class definition you created earlier and recorded in their "My Weather Book."

T: Why is weather important? Does it really matter? Should we really spend so much time creating tools, collecting data, and forecasting?

- Help students understand that weather affects many aspects of our daily lives. Weather and predicting it accurately is very important.

T: Let's look at some people it affects:

My Family and Me:

T: What clothing I'll wear.

T: Can we go on a picnic?

T: Can I play outside today?

T: Will my soccer game be cancelled?

T: Do I need to wear sunscreen?

Farmers:

T: Air temperature and water are very important.

T: Will it rain? Will there be a drought?

T: Is it too hot or too cold? Will there be a frost?

Stores:

T: What products will people want to buy?

T: Putting out a special display of umbrellas or snow shovels.

T: What clothes should we stock?

T: What seasonal items should we stock?

Workers:

T: Getting up earlier to drive in the snow.

T: Snow plow drivers working all night to clear and salt the roads.

T: Construction workers – too hot or too cold to work/pour cement

Utility Companies:

T: Monitoring the need for heating or cooling.

T: Being prepared for an extra demand of gas or electricity.

T: Blackouts

Travel:

T: Driving in rain or snow.

T: Airplanes being able to fly – wind, ice, rain

T: Ships – hurricanes, strong wind, heavy rain, waves

Independent Practice: (6 minutes)**Closing: (4 minutes)**

- Discuss with students the importance of weather. It impacts so many aspects of our lives.
- Discuss with them the importance of an accurate weather forecast. Have they ever had to cancel their plans because of rains? Have they ever had a ball game cancelled, then the rainstorm never came? Explain the importance of meteorologists having accurate forecasts.

Assessment:

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