

Extreme weather on Earth

Topic: Extreme weather on Earth

Level: intermediate (A2)

Time: 45 minutes

Aims:

- To describe climate or weather patterns
- To read for general and specific information
- To look for specific information in the internet
- To analyze information

Language functions:

- To list the criteria and conditions required for weather events to occur
- To talk about global problems
- To talk about patterns and changes
- To use new vocabulary

CLIL: Geography/ Physics

Materials: worksheets and Web pages

STAGE	AIMS	PROCEDURE	TIME	MATERIALS
Introduction	To start the lesson and introduce students to the topic of weather	Ask: <i>What do you know about extreme weather on Earth?</i> Encourage students to think about the weather they have experienced, read about, or seen on TV or in the movies. Have students brainstorm a list of weather-related words and phrases. Start the process by writing one weather-related word on the board. Encourage students to include words such as lightning, hail, sleet, rain, wind, gust, flood, snow, blizzard, storm, hurricane, tornado, cyclone, thunder, dust storm, and temperature.	5-8 min	
Main part of the lesson		<p>1.Introduction</p> <p>Show students the National Geographic video "Weather 101." Page : http://education.nationalgeographic.com/education/lesson/extreme-weather-earth-other-planets/?ar_a=1</p> <p>Ask students to add words related to the video to the list on the board. Assist them, as needed. Then explain to students that some words from the list are weather events, and some words are part of those weather events; call them "ingredients." For example, a lightning storm is a weather event. Ask: <i>What words from our list can be part of a lightning storm?</i> Elicit responses such as lightning, clouds, rain, wind, and thunder.</p> <p>2. Task</p> <p>Ask students to complete the worksheet A - Weather Investigation. Distribute a copy of the worksheet Weather Investigation to each student. Read aloud the directions and go over the provided answer.</p>	<p>10-12 min</p> <p>10 min</p>	<p>http://education.nationalgeographic.com/education/lesson/extreme-weather-earth-other-planets/?ar_a=1</p> <p>Worksheet A</p>

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		<p>Allow students to gather and organize the information they have learned about weather and conditions present for each type of weather. Have students work in pairs or as a whole class to identify other weather events and the ingredients for each from their list. Help students to find answers to any questions they have, including definitions of words that are new to them.</p> <p>3. Presentation Discuss the ingredients of extreme weather events. <i>Ask: How are the ingredients for each weather event the same? How are they different?</i> Help students to identify that many weather events have certain ingredients in common, including wind, clouds, and high or low temperatures.</p>	5-8 min	
Wrap-up	<p>To summarize the material covered during the lesson</p> <p>To play games and do puzzles based on vocabulary covered during the lesson</p>	<p>Tell your students they are going to do some puzzles and crosswords to check if they are real weather experts. To do puzzles go to page :</p> <p>http://spaceplace.nasa.gov/weather-words/en/# (there are various crosswords and puzzles based on vocabulary covered during the lesson). Allow students to have some time doing the puzzles (and have fun too).</p>	10 min	http://spaceplace.nasa.gov/weather-words/en/#

Sources:

<http://spaceplace.nasa.gov/weather-words/en/#>

http://education.nationalgeographic.com/education/lesson/extreme-weather-earth-other-planets/?ar_a=1

Materials credits: Video - Jeanne Wallace-Weaver, Educational Consultant

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