



BLOWING YOUR MIND

FINDING WIND AROUND THE WORLD

TEACHER'S EDITION

All around the world there are local words for wind. The intent of the activity is for students to learn about different parts of the world by exploring wind.

They will also explore their school grounds for the various wind words using handheld GPS technology and the popular Geocaching concept.

Geocaching

Have a look at this post on POPTalk all about Geocaching:

<http://www.brainpop.co.uk/blog/2010/11/hide-and-seek-brainpop-goes-geocaching/>



Hide geocaches around the school grounds.

In each cache have the name of another word for wind on a hurricane warning flag (see left).



Use the BrainPOP GPS Movie to help to introduce the concept of using GPS to take learning outside and learn the important skills of latitude and longitude. This movie will also help to bring more understanding to the concept.

The students then use Handheld GPS devices to find the clues. If you don't have GPS devices - hide the flags around the school yard.

Wind Words: Chinook, Pampero, Foehn, Harmattan, Oroshi, Willy-willy, Katabatic

Research

Don't tell the students what the words mean, have them do some research to find out that they are all words that mean wind.



Use the BrainPOP Wind movie to explain what wind is.

After students find their wind clues, have them research which continent the winds are from (there are two in the wind movie if they are paying close attention!)



To review the continents use the BrainPOP Continents movie.

Geolocate

Assign each group a wind and continent combination and have them further research their given wind to learn about why the wind is unique and the reasons for the special name of the wind.

Helpful sites if students need some direction:

<http://www.weatheronline.co.uk/reports/wind/>

<http://ggweather.com/winds.html>

Wind Clues:

North America - Chinook

South America - Pampero

Europe - Foehn

Africa - Harmattan

Asia - Oroshi

Australia - Willy-willy

Antarctica - Katabatic

- Use a collaborative map (such as a google map) and have the students geolocate their wind
- Add the information they found in their research to create a collaborative global map of wind!

Extension Task: Learn more about Hurricanes

The clues were found on hurricane warning flags. This would be a great jumping off point to bring in a lesson on how the wind patterns can produce storms such as hurricanes. The Australasia wind clue "Willy-Willy" is even a Typhoon, a hurricane in the South Pacific.



The BrainPOP Hurricanes movie would be a great way to explain hurricanes.

Use this site to create your own Hurricane:

<http://www.nhc.noaa.gov/HAW2/pdf/canelab.htm>