Weather WebQuest  
  
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[The Water Cycle](http://davidson.k12.nc.us/webquests/weather/weather.htm#watercycle) | [Cloud Types and Formation](http://davidson.k12.nc.us/webquests/weather/weather.htm#cloudtypes) | [Local Weather](http://davidson.k12.nc.us/webquests/weather/weather.htm#localweather) | [Weather Across the USA](http://davidson.k12.nc.us/webquests/weather/weather.htm#usaweather) | [Climate](http://davidson.k12.nc.us/webquests/weather/weather.htm#climate)

The Task:

You will use the Internet to gather information that address the various curriculum competencies.

The Process:

*The Water Cycle*

1. Print the [worksheet.](http://davidson.k12.nc.us/webquests/weather/the_water_cycle.htm)  
2. Use the following links to complete the worksheet questions.

<http://www.mbgnet.net/fresh/cycle/index.htm>  
<http://www.mbgnet.net/fresh/cycle/concepts.htm>  
<http://www.mbgnet.net/fresh/cycle/cycle.htm>

*Cloud Types and Formation.*

1. Print the [worksheet](http://davidson.k12.nc.us/webquests/weather/cloud_types_and_formation.htm).  
2. Use the following links to complete the worksheet questions.

<http://www.srh.noaa.gov/bna/educate/VATHENA_2/weather/pricloud/index.html><http://www.fi.edu/weather/events/fog.html> [http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/cld/dvlp/cnvct.rxml](http://ww2010.atmos.uiuc.edu/%28Gh%29/guides/mtr/cld/dvlp/cnvct.rxml)

3. Observe the sky for five days and identify the types of clouds seen. Use the [chart](http://davidson.k12.nc.us/webquests/weather/cloud_and_weather_observat.htm) to record your data.

*Local Weather*

1. Print the [worksheet](http://davidson.k12.nc.us/webquests/weather/local_weather.htm).  
2. Go to <http://www.weather.com/outlook/recreation/local/27292> and record the current conditions in the first column of your worksheet.  
3. Return to <http://www.weather.com/outlook/recreation/local/27292>daily for four more days to complete the worksheet.  
4. Use a spreadsheet program to graph the information.

*Weather Across the USA*

1. Print the [worksheet](http://davidson.k12.nc.us/webquests/weather/weather_across_the_usa.htm).  
2. Use the following links to record current weather conditions in each of the cities.

Lexington, NC  
<http://www.weather.com/outlook/recreation/local/27292>

St. Louis, MO  
<http://www.weather.com/outlook/recreation/local/USMO0787>

Los Angeles, CA  
<http://www.weather.com/outlook/recreation/local/USCA0638>

Juneau, AK  
<http://www.weather.com/outlook/recreation/local/USAK0116>

Honolulu, HI  
<http://www.weather.com/outlook/recreation/local/USHI0026>

3. Use a spreadsheet program to graph the information.

*Climate*

1. Print the [worksheet](http://davidson.k12.nc.us/webquests/weather/climate.htm).  
2. Use the following links to complete the worksheet.

<http://www.infoplease.com/ce6/CE011513.html>

<http://www.infoplease.com/ipa/A0762183.html>

3. Use a spreadsheet program to graph the data that you collected in the chart.

Resources:

Here are some additional weather resources:

<http://www.weather.com>  
<http://usatoday.com/weather/wfront.htm>  
<http://www.earthwatch.com/index.html>