

Wind Chill Index (W.C.I.)

Your assignment is to use the Internet to perform some research on the wind chill index formula.

1. Use the Internet to find the current wind chill index formula. Some good sites to search for the formula are www.wgntv.com and www.noaa.gov. Write the formula below. You should see that the wind chill depends on two variables: air temperature and wind speed.

W.C.I. =

2. Use the Internet to find out the current local air temperature and wind speed. A good source is www.weather.com. Write these below.

Current air temperature _____

Current wind speed _____

3. Plug the above into the wind chill index formula and compute the current wind chill. Show all of your work below.

Current wind chill _____

4. Go to www.weather.com. Use your zip code to check your computed wind chill against the reported wind chill for your area.