



File EBB-R

Students should not be outside for recess or noon-hour when the temperature and/or the wind-chill factor exceeds  $-27^{\circ}\text{C}$ .

The following Environment Canada chart may be used as a guide.

<b>Wind Chill Calculation Chart</b>												
<b>V10 km/h</b>	<b>T air (Actual Air Temperature in °C)</b>											
	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	-50
5	4	-2	-7	-13	-19	-24	-30	-36	-41	-47	-53	-58
10	3	-3	-9	-15	-21	-27	-33	-39	-45	-51	-57	-63
15	2	-4	-11	-17	-23	-29	-35	-41	-48	-54	-60	-66
20	1	-5	-12	-18	-24	-31	-37	-43	-49	-56	-62	-68
25	1	-6	-12	-19	-25	-32	-38	-45	-51	-57	-64	-70
30	0	-7	-13	-20	-26	-33	-39	-46	-52	-59	-65	-72
35	0	-7	-14	-20	-27	-33	-40	-47	-53	-60	-66	-73
40	-1	-7	-14	-21	-27	-34	-41	-48	-54	-61	-68	-74
45	-1	-8	-15	-21	-28	-35	-42	-48	-55	-62	-69	-75
50	-1	-8	-15	-22	-29	-35	-42	-49	-56	-63	-70	-76
55	-2	-9	-15	-22	-29	-36	-43	-50	-57	-63	-70	-77
60	-2	-9	-16	-23	-30	-37	-43	-50	-57	-64	-71	-78
65	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79
70	-2	-9	-16	-23	-30	-37	-44	-51	-59	-66	-73	-80
75	-3	-10	-17	-24	-31	-38	-45	-52	-59	-66	-73	-80
80	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81

where **T air** = Actual Air Temperature in °C  
 where **V 10** = Wind Speed at 10meters in km/h  
 (as reported in weather observations)

**Thresholds:**

Risk of frostbite in prolonged exposure	-25	
Frostbite possible in 10 minutes	-35	Warm skin, suddenly exposed. Shorter time if skin is cool at the start.
Frostbite possible in 2 minutes	-60	Warm skin, suddenly exposed. Shorter time if skin is cool at the start.

<http://www.msc-smc.ec.gc.ca>