

Understand the Weather



Wind-Chill

- 30° is *chilly* and generally uncomfortable
- 15° to 30° is *cold*
- 0° to 15° is *very cold*
- -20° to 0° is *bitter cold* with significant risk of *frostbite*
- -20° to -60° is *extreme cold* and *frostbite* is likely
- -60° is *frigid* and exposed *skin will freeze* in 1 minute

Heat Index



- 80° or below is considered *comfortable*
- 90° beginning to feel *uncomfortable*
- 100° *uncomfortable* and may be *hazardous*
- 110° considered *dangerous*

All temperatures are in degrees Fahrenheit
Weather Guidelines for Children

Weather Guidelines for Children

Wind-Chill Factor Chart (in Fahrenheit)

| Air Temperature | Wind Speed in mph | | | | | | | | | | |
|-----------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | Calm | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | | |
| 40 | 40 | 36 | 34 | 32 | 30 | 29 | 28 | 28 | 27 | | |
| 30 | 30 | 25 | 21 | 19 | 17 | 16 | 15 | 14 | 13 | | |
| 20 | 20 | 13 | 9 | 6 | 4 | 3 | 1 | 0 | -1 | | |
| 10 | 10 | 1 | -4 | -7 | -9 | -11 | -12 | -14 | -15 | | |
| 0 | 0 | -11 | -16 | -19 | -22 | -24 | -26 | -27 | -29 | | |
| -10 | -10 | -22 | -28 | -32 | -35 | -37 | -39 | -41 | -43 | | |



Comfortable for out door play



Caution



Danger

Heat Index Chart (in Fahrenheit %)

| Air Temperature (F) | Relative Humidity (Percent) | | | | | | | | | | | | |
|---------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| 80 | 80 | 80 | 81 | 81 | 82 | 82 | 83 | 84 | 84 | 85 | 86 | 86 | 87 |
| 84 | 83 | 84 | 85 | 86 | 88 | 89 | 90 | 92 | 94 | 96 | 98 | 100 | 103 |
| 90 | 91 | 93 | 95 | 97 | 100 | 103 | 105 | 109 | 113 | 117 | 122 | 127 | 132 |
| 94 | 97 | 100 | 103 | 106 | 110 | 114 | 119 | 124 | 129 | 135 | | | |
| 100 | 109 | 114 | 118 | 124 | 129 | 130 | | | | | | | |
| 104 | 119 | 124 | 131 | 137 | | | | | | | | | |