Arlington Public Schools Weather Guidelines and Operations During Air Quality Alerts

A subcommittee of the Comprehensive School Health Committee met to develop guidelines related to student participation in outdoor activities and weather conditions. The following color coded chart (Child Care Weather Watch) indicates cold and hot air temperatures in which it is advisable to engage students in outdoor activities and where staff may need to exercise caution.

Outdoor experiences for children are important for many reasons--more space, fresh air and exposure to sunlight. There are times when weather and related conditions limit exposure to outdoor activities. Deciding when students may play outdoors remains the responsibility of the principal based on their professional judgment. There are a number of factors that require consideration before a decision is made as to whether students are allowed to play outdoors. These factors include but are not limited to: temperature, wind chill, frozen ground, sunshine, heat index, humidity, how prepared are the children (coats, hats, gloves/mittens) to maintain a comfortable and safe body temperature to play outdoors, what activity will the children be participating in, and the length of time outside. Students dressed in appropriate apparel and well hydrated should not have difficulty with outdoor activity during a recess period.

Understand the Weather



- 30°is *chilly* and generally uncomfortable
- 15°to 30° is cold
- 0° to 15° is very cold
 32° to 0° is bitter cold
- 52° 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

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and	- F	104	119	124	131	137									
		110	136												

Child Care Weather Watch

Wind-Chill Factor Chart (in Fahrenheit)

Wind Speed in mph

15

32

19

6

-7

19

-32

45

20

30

17

22

-35

48

-61

25

29

16

-11

-24

-37

30

28

15

-12

26

-39

53

35

28

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-14

-27

-41

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-34

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Calm

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30

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10

0

-10

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-30

40

30

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10

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-10

-20

-30

Temperature

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Heat Index 🚽

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

	Child	Care	Weather	Watch
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Watching the weather is part of a child care provider's job. Planning for playtime, field trips, or weather safety is part of the daily routine. The changes in weather require the child care provider to monitor the health and safety of children. What clothing, beverages, and protections are appropriate? Clothe children to maintain a comfortable body temperature (warmer months - lightweight cotton, colder months - wear layers of clothing). Beverages help the body maintain a comfortable temperature. Water or fruit juices are best. Avoid high-sugar content beverages and soda pop. Sunsoreen may be used year around. Use a sunscreen labeled as SPF-15 or higher. Read and follow all label instructions for the sunscreen product. Look for sunscreen with UVB and UVA ray protection. Shaded play areas protect children from the sun.

OLDER CHILDREN may play outdoors for very short periods of time if they are properly dressed, have plenty of fluids. Child care providers must be vigilant about maximum protection of children.

Heat Index Warning: How hot it feels to the Condition GREEN - Children may play outdoors and be comfortable. Watch for signs of children bebody when the air temperature (in Fahrencoming uncomfortable while playing. Use precautions reparding clothing, sunscreen, and beverages heit) and relative humidity are combined. for all child age groups. INFANTS AND TODDLERS are unable to tell the child care provider if they are too hot or cold. Chil-Relative Humidity: The percent of moisture dren become fussy when uncomfortable. Infants/toddlers will tolerate shorter periods of outdoor in the air. play. Dress infants/toddlers in lightweight cotion or cotion-like fabrics during the warmer months. In Temperature: The temperature of the air in cooler or cold months dress infants in layers to keep them warm. Protect infants from the sun by limdegrees Fahrenhelt. Iting the amount of time outdoors and playing in shaded areas. Give beverages when playing out-Wind: The speed of the wind in miles per doors YOUNG CHILDREN remind children to stop playing, drink a beverage, and apply more sunscreen. hour. OLDER CHILDREN need a firm approach to wearing proper clothing for the weather (they may want to play without coats, hats or mittens). They may resist applying sunscreen and drinking beverages Wind Chill Warning: There will be sub-zero temperatures with moderate to strong winds while outdoors. expected which may cause hypothermia and great danger to people, pets and livestock. Condition YELLOW - use caution and closely observe the children for signs of being too hot or cold while outdoors. Clothing, sunscreen, and beverages are important. Shorten the length of outdoor Winter Weather Advisory: Weather conditime tions may cause significant inconveniences INFANTS AND TODDLERS use precautions outlined in Condition Green. Clothing, sunscreen, and and may be hazardous. If caution is everbeverages are important. Shorten the length of time for outdoor play. cised, these situations should not become YOUNG CHILDREN may insist they are not too hot or cold because they are enjoying playtime. life threatening Child care providers need to structure the length of time for outdoor play for the young child. Winter Storm Warning: Severe winter con-OLDER CHILDREN need a firm approach to wearing proper clothing for the weather (they may want ditions have begun in your area. to play without coats, hats or mittens), applying sunscreen and drinking liquids while playing outdoors. Winter Storm Watch: Severe winter conditions, like heavy snow and ice are possible within the next day or two. Condition RED - most children should not play outdoors due to the health risk. INFANT8/TODDLER8 should play indoors and have ample space for large motor play. YOUNG CHILDREN may ask to play outside and do not understand the potential danger of weather

Child Care Weather Weath, Ivee Department Public Health, Healthy Child Care Ioves, Produced Strough federal grant (MCJ197029 & MCJ19KCC7) Lands from the US Department of Health & Human Services, Health Resources & Services Administration, Meternal & Child Health Bureau, Wind-Chill and Healt Index Information is from the National Weather Service.

Heat Index

conditions

Heat index is a measurement of the air temperature in relation to the relative humidity. The heat index is based on studies of skin cooling caused by the evaporation of sweat and as an indicator of discomfort. The heat index is higher when high air temperatures occur with high humidity, and lower when they occur with low humidity.

Wind-chill

Wind chill temperature is how cold it "feels like" outside (apparent temperature). Wind chill is based on the rate of heat loss from exposed skin caused by the effects of wind and cold. As the wind increases, it draws heat from the body, driving down skin temperature and eventually the internal body temperature.

Understand the Weather The weather forecast may be confusing

unless you know the meaning of the

Blizzard Warning: There will be snow and

strong winds that produce a blinding snow,

deep drifts, and life threatening wind chills

Seek shelter immediately.

words.

Operations During Air Quality Alerts

The Supervisor, Health, Physical Education, and Athletics, is responsible for notifying members of the School Board and Senior Staff, principals, assistant principals, the Supervisor of Extended Day, summer school administrators and instructional supervisors via a voice mail message when the air quality has reached, or is anticipated to reach, Code Orange, Code Red or Code Purple. These administrators are then responsible for notifying all appropriate staff to implement appropriate modifications of schedules, locations, and activities as described below.

The following guidelines were developed by representatives from the Public Health Division of the Arlington County Department of Human Services, the Arlington Public Schools, and the Arlington County Department of Parks, Recreation and Community Resources. They are based on information from the Metropolitan Washington Council of Governments that is available to the public. They are intended to increase awareness of the health risks of breathing poor quality air. They should be used to guide decisions about appropriate activity levels for students on high ozone alert days. The ozone forecast is based upon meteorological data; it is readily available and updated one to three times a day from May to September when ground ozone is most problematic. It is reported daily in the form of a color code as follows:

Code Green - good air quality Code Yellow - moderate air quality Code Orange - approaching unhealthy Code Red – unhealthy Code Purple – very unhealthy

(Air Quality Hotline at 202-962-3299 and ww.mwcog.org/dep/air/airquality_index.htm.)

Planning ahead for Code Orange, Red and Purple days is the best way to help children avoid problems associated with high ozone. School staffs should have a plan to find out the code status for a particular day and develop an action plan that addresses the following:

- Make arrangements in advance for children to have an adequate indoor space when necessary.
- Plan appropriate indoor activities if a Code Orange, Red or Purple day forces students inside.
- Avoid outdoor activities as much as reasonably possible between 11 AM and 7 PM when ozone levels are highest.

	Elementary School Students	Middle School Students	High School Students
Code Orange	 Students with asthma and respiratory conditions refrain from all outdoor activities Reduce time spent outdoors Limit time outdoors to morning hours before 11 AM, when possible Decrease vigorous physical activity while outdoors 	 Students with asthma and respiratory conditions refrain from all outdoor activities Reduce time spent outdoors Limit time outdoors to morning hours before 11 AM, when possible Decrease vigorous physical activity while outdoors 	 Students with asthma and respiratory conditions refrain from all outdoor activities Reduce time spent outdoors Limit time outdoors to morning hours before 11 AM, when possible Decrease vigorous physical activity while outdoors
Code Red	Refrain from all outdoor activities	 Students with asthma and respiratory conditions refrain from all outdoor activities Healthy students may participate in leisurely walking Refrain from outdoor band activity 	 Students with asthma and respiratory conditions refrain from all outdoor activities Healthy students may participate in leisurely walking Refrain from outdoor band activity High School Athletes with current health (physical) examinations on file in school may participate in no more than 1 hour of outdoor activity which does not include prolonged exertion and have breaks every 15 to 20 minutes. These activities are equivalent to a 'walk- through' practice with no moderate- high intensity drills/activities such as contact, scrimmages, etc.
Code Purple	Refrain from all	• Refrain from all	• Refrain from all
	outdoor activities	outdoor activities	outdoor activities