

HHIS Air Quality Index Guidelines

We make every effort to ensure we provide a safe environment for our children to learn. Although the air quality in Hua Hin is generally good, we need to monitor the PM2.5 levels and have procedures in place for when the quality falls.

For this reason we have a monitor which measures PM2.5 in mass concentration (ug/m3). We are checking the meter regularly and are making informed decisions about the outdoor activities for our children throughout the day. We also have air purifiers in the classrooms.

After careful research and advice, we use the table below to guide our outdoor activities.

PM2.5 (ug/m3)	Pollution Index	Air Quality Rank	US EPA API and Health Implications	US EPA Health Advisory	US EPA Response	Guidance	HHIS	Monitoring
0 - 12.0	0 - 50	Good	Air quality is considered satisfactory, and air pollution poses little or no risk.			No action	No action	K Ness or K Cheng will send an email to all staff at 8.00am / 12.00pm / 15.00pm
12.1 - 35.4	51 - 100	Moderate	Air quality is acceptable; however, there may be a moderate health concern for a very small number of people. For example, people who are unusually sensitive to ozone may experience respiratory symptoms.		Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.	PE Department is aware of any student that air quality may affect. Periodic monitoring.	Monitor and ensure PE and sporting clubs are aware of sensitive groups.	K Ness or K Cheng will send an email to all staff at 8.00am each morning and will check back at 12.00pm but no email will be sent unless there is a change
35.5 - 55.4	101 - 150	Unhealthy for Sensitive Groups	Although general public are not likely to be affected at this AQI range, people with lung disease, older adults and children are at a greater risk from exposure to ozone, whereas persons with heart and lung disease, older adults and children are at greater risk from the presence of particles in the air.		The following groups should reduce prolonged or heavy outdoor exertion: - People with lung disease, such as asthma - Children and older adults - People who are active outdoors	Evaluate the length of time that students are outdoors. Periodic monitoring.	<p>PE team are aware of any sensitive groups.</p> <p>PE inside where possible and no strenuous activity</p> <p>Playtime and lunchtime outside, no running/football etc.</p> <p>ECAs inside where possible and no strenuous activity</p> <p>EY2 will stay indoors EY3 outside for 20 minutes within 1 hour only. No bikes.</p>	<p>K Ness or K Cheng will email ALL staff at 8.00, 10.00 and 11.30</p> <p>K Ness or K Cheng will check the monitoring at 14.00pm and inform Headteacher, Phase Leaders and PE</p> <p>PE will advise external ECAs leaders of action to be taken.</p>

PM2.5 (ug/m3)	Pollution Index	Air Quality Rank	US EPA API and Health Implications	US EPA Health Advisory	US EPA Response	Guidance	HHIS	Monitoring
55.5 - 150	151 - 200	Unhealthy	Everyone may begin to experience some adverse health effects, and members of sensitive groups may experience more serious effects.		The following groups should avoid prolonged or heavy outdoor exertion. - People with lung disease, such as asthma - Children and older adults - People who are active outdoors - Everyone else should limit prolonged outdoor exertion	Modified outdoor activities. Restricted break activities and outdoor PE Lunch break includes time inside and outside	PE inside No swimming Playtime INSIDE Lunchtime INSIDE ECAs INSIDE EY/KS1 inside promptly on arrival.	K Ness or K Cheng will email ALL staff at 8.00, 10.00 and 11.30 K Ness or K Cheng will check the monitoring at 14.00pm and inform Headteacher , Phase Leaders and PE PE will advise external ECAs runners of action to be taken.
150.5 - 250.4	201 - 250 251 - 300	Very Unhealthy	This would trigger a health alert signifying that everyone may experience more serious health effects.	Health Alert	The following groups should avoid all outdoor exertion: - People with lung disease, such as asthma - Children and older adults - People who are active outdoors - Everyone else should limit outdoor exertion.	Indoor play and PE only Sensitive students should avoid all strenuous activities	PE indoor No swimming No outside classroom activities or breaks EY and KS1 classes to open at 8:00 Children come straight into classrooms	K Ness or K Cheng will email ALL staff at 8.00, 10.00 and 11.30 K Ness or K Cheng will check the monitoring at 14.00pm and inform Headteacher , Phase Leaders and PE PE will advise external ECAs runners of action to be taken.
250.4 - 500.4	301 - 500	Hazardous	This would trigger a health alert signifying that everyone may experience more serious health effects.	Health Emergency	The entire population is likely to suffer health effects.	No outdoor activity of any kind Periodic monitoring As above		