



SHREWSBURY
INTERNATIONAL
SCHOOL

BANGKOK

Policy Title: Air Pollution

Policy Section: Section E - Student's Learning and Wellbeing

Policy Number: E16

Approval: SMT 0359

Publish to:

Policy Compendium

Parent Portal

Staff Handbook

Introduction

This policy is written to support The School's responsibility to its students and staff in respect of living, working and playing in a city center location. It is predicated upon published standards, best practice in international schools and takes into account The School's geographical position.

What is AQI (Air Quality Index)?

The AQI is an index for reporting daily air quality. It is a measure of how clean or unhealthy your air is, and what associated health effects might be a concern. The AQI is calculated for four major air pollutants regulated by the Clean Air Act: ground level ozone, particle pollution, carbon monoxide, and sulphur dioxide.

5th March 2019

Measurement

The School uses our Air Visual Pro air measurement unit to obtain readings of current air quality in the school and will make a decision based on these readings. The unit is located in the heart of the school, above the side gate of the Canterbury Field.

Prevention methods

The school operates a preventative maintenance programme that covers all Heating Ventilation and Air Conditioning (HVAC) units across our school campus.

The following items are included within our preventative maintenance programme:

1. Regular cleaning of Air Handling unit filters, campus wide
2. Regular deep clean of all AHU units and AHU plant rooms
3. Ongoing replacement programme of Air handling unit filters, installing a higher specification type of filter to all air handling units across campus.

Actions and communication

The Operations and Safety Manager communicates readings to all staff when the AQI exceeds 100. At this stage the following steps are taken as outlined in the table below.

AQI	Classification	Description	School Policy	Communication
0-99	Good to Moderate	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people.	All students: All learning is unaffected Staff: Teachers monitor students with identified respiratory conditions when outdoors. Any concerns should be reported to the SMT and the student taken to the Medical centre for observation.	None

AQI	Classification	Description	School Policy	Communication
100-149	Unhealthy for Sensitive groups	General public is not likely to be affected; people with lung disease, older adults and younger children at greater risk from exposure	Students with known respiratory problems: Outdoor activities and any sports activities may be modified for students with respiratory conditions. These students should remain inside during break and lunch. Junior School: Activities may be modified. More rest periods, prolonged exposure should be avoided. Senior School: Activities may be modified. More rest periods, prolonged exposure should be avoided. Staff: Teachers monitor all students with known respiratory conditions. Any concerns should be reported to the SMT and the student taken to Medical centre for observation.	Email to all staff to advise AQI and advise school policy to be adhered to. Readings taken at the following times and information issued shortly after: 0900, 1100, 1300. List of students with respiratory issues attached to the email that is issued with the AQI reading.

AQI	Classification	Description	School Policy	Communication
150-175	Unhealthy	Everyone may experience some adverse health effects; members of sensitive groups may experience more serious effects	<p>Pre-Prep School: All students to remain indoors and all external activities are cancelled.</p> <p>Prep School and Senior School: Students with known respiratory problems: to remain indoors and all external activities are cancelled.</p> <p>All other students should be encouraged to remain indoors during break and lunch.</p> <p>Activities should be moved indoors where possible. Should it not be possible to move indoors the following will apply:</p> <p>Y3 to Y13: Outdoor exposure reduced to 40 minutes.</p> <p>PE Lessons are limited in scope to activities with less exertion. Reduce exposure where possible, longer breaks, fewer high exertion activities.</p> <p>Staff: Staff working outdoors should minimise all heavy physical activity over prolonged periods of time. Reduce exposure, longer breaks, fewer high exertion activities.</p> <p>Outdoor "You-Time!" and sports excellence activities (covering all after school activities):</p> <p>Practice and/ or fixtures can be cancelled at the discretion of the Director of Sports and Activities / Operations and Safety Manager.</p>	<p>Email to all staff to advise AQI and advise school policy to be adhered too.</p> <p>Readings taken at the following times and information issued shortly after: 0700, 0900, 1100, 1300.</p> <p>List of students with respiratory issues attached to the email that is issued with the AQI reading.</p> <p>This decision will be made at 1300 hrs. Message to parents via parent portal and by SMS.</p>

AQI	Classification	Description	School Policy	Communication
175+	Unhealthy / Very Unhealthy	This would trigger a health alert signifying that everyone may experience more serious health effects	<p>Whole School: All outdoor activities will cease.</p> <p>Students will be allowed to go directly to classrooms from 7.15am.</p> <p>Students must remain indoors during break and lunch.</p> <p>Outdoor "You-Time!" and sports excellence activities (covering all after school activities):</p> <p>Practice and or fixtures can be cancelled at the discretion of the Director of Sports and Activities / Operations & Safety Manager.</p> <p>This decision will be made at 1300 hrs. Message to parents via parent portal and by SMS.</p> <p>Staff: Staff doing physical labour outdoors will be issued with and must wear face masks. (Security / Maintenance / Housekeeping / Grounds staff / Boat crew).</p>	<p>Email to all staff to advise AQI and advise school policy to be adhered too.</p> <p>Readings taken at the following times and information issued shortly after: 0700, 0900, 1100, 1300.</p> <p>List of students with respiratory issues attached to the email that is issued with the AQI reading.</p>