VENTILATION SYSTEM OVERVIEW

This template has been developed to support school districts in sharing information on ventilation systems at the school level. This includes information on how systems meet requirements for regular inspection and maintenance, and additional mitigations that have been put in place to promote student and staff safety throughout the pandemic.

School District:	61 - Greater Victoria
School Name:	Oak Bay Secondary
REQUIREMENT: Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-06-11
	Date of next inspection: 2021-09-09
	Date and type of most recent maintenance: 21-07-07 Check Actuator on AHU-3
RECOMMENDATION: Increase supply of outside air	Yes/No: Yes
	Detail: DDC and or manually, opened to as close to 100% as possible
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: No
	Detail (Including filter grade): We are using pleated MERV 10 filters in most spaces these are changed out every three months. With the exception of a few areas using Media Poly Roll filters with a MERV rating of 5 to 8 and Cartridge filters with a MERV rating of 14 depending on the manufacturer.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes/No: No
	Detail: We looked at Ultraviolet Germicidal Irradiation. UVGI can cause temp eye irritation, sunburn effects and if exposed long enough, may cause cancer.The virus is new and though researchers are attempting to find out if this technology works there is not enough evidence it kills the virus. We looked at Needlepoint Ionization and though it cleans the air there is no independent research that says it kills the virus. There is research that suggests the molecular structure of disrupted ions may creates harmful VOC, etc. We will not use this.
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: To the best of our ability. However when we need to our fresh air is running near 100%, windows open and recently, to assist with extraction many fans such as washroom fans may be running 24/7. We

	know this is an issue with our Energy Manager but trying to remove possible air contamination is paramount.
Other Relevant Information:	We are on top of this and do respond quickly to teacher complaints. We want to ensure communication and try to keep staff informed and calm.
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