



Welcome to the Marshmen Minute!

March 16, 2018

This week's topic is "*((HVAC) Ventilation and Cooling System/Hallway Improvements: The Needs and Solutions*". We hope you will contact us on any questions you may have.

HVAC System Requirements:

The role of the HVAC and Control System is simply to keep it warm or cool when and where it is needed. Modern HVAC systems have the ability to program heating and cooling needs according to necessity, i.e. whether a room/building is occupied and being used or not, similar to your own home programmable thermostat.



The District is currently unable to control the zoned temperature due to mechanical reasons including numerous water supply valve issues and the current HVAC system control limitations. Upgrading the HVAC Control System is not an available option. Only replacement of those components that are malfunctioning will allow us to gain efficiency and control of the HVAC Systems.

Just as when you replace older, inefficient home heating and cooling devices, it directly affects your utility usage. This simple concept, along with the ability to zone areas of the schools to match usage, will recoup continued savings that currently the District is not able to achieve.



Unfortunately, because of the school's age and construction, *the expense of updating the HVAC systems at Van Brunt is economically unfeasible.* The High School, being a newer building with better access to the HVAC systems, is more easily updated to achieve these desired results.

Because of this and other similar excessive structural expenses, the Citizens Advisory Committee chose to propose building a new Elementary School at the High School site thus creating a One Campus Solution in agreement with the Public Survey results for a new Elementary School instead of updating Van Brunt.

Jr/Sr High School Hallway Improvements:

Just as when you update your home, there are certain areas that will need to be "touched up, painted, etc." after the work is completed in order to bring them up to an acceptable standard.

The Jr/Sr High School HVAC system travels mainly through the hallway ceilings. We will need to access vents, air handlers and water pipes that are in need of upgrading through the hallway ceilings, tiles and lighting. After the HVAC work is completed, replacing the stained, damaged or broken ceiling tiles as well as updating the lighting to current energy efficient LED bulbs would be an obvious step to improve their look and efficiency. Replacing the tiled floors with a treated concrete surface that will no longer require constant stripping and reapplying of wax to maintain them will also provide the District better economical savings in future energy and maintenance costs.

