



Twain Community Meeting Questions and Answers Fall 2020

Question	Answer
<p>Will air filters be changed frequently enough to ensure we are breathing clean air?</p>	<p>LBUSD is ensuring that proper preventive maintenance is being performed on all heating and air conditioning units and is changing filters on a regular basis.</p> <ul style="list-style-type: none"> • The Center for Disease Control recommends increasing air filtration as high as possible (target MERV 13) without diminishing air flow and enforcing the existing or revised indoor air quality plan. • All new heating and air conditioning systems have been designed with MERV-16 (Minimum Efficiency Reporting Value) filters. These are the most efficient filters commonly available for institutional systems.
<p>Will teachers be able to control the temperature in classrooms?</p>	<p>Each classroom has a digital thermostat, which is part of the overall Energy Management System. The system is automated and designed to remain at the energy efficient settings recommended by the California Energy Commission which is a maximum of 68 degrees for heat and a minimum of 72 degrees for air conditioning. Teachers do have the ability to adjust settings on both the heating and air conditioning by 2-3 degrees to help maintain the comfort level of the room but the adjustment cannot exceed the energy efficiency standard.</p>
<p>Will windows open to provide circulation of outside air?</p>	<p>One specific goal of our modernization efforts is to improve the air quality for students. Since the outdoor air quality in Long Beach is considered by the Air Quality Management District to pose some health risks on most days, bringing in outside air does not improve air quality and may circulate pollutants known to cause problems for sensitive individuals. Therefore, opening windows is not recommended.</p> <ul style="list-style-type: none"> • The HVAC systems installed provide 25% outside air circulated through MERV-16 filters that provide better air quality than open windows. Classroom air is completely refreshed and filtered every hour the system is operational. • In addition, due to state energy standards, each classroom will have only one operable window to minimize loss of heat or air conditioning.
<p>What sort of technology will be installed in classrooms?</p>	<p>The modernization project includes not only new central heating/air conditioning systems but also utility infrastructure, electronic classroom projectors, and new energy efficient lighting. Classroom projection systems include an integrated audiovisual set-up with ceiling mounted speakers situated throughout the room, and teacher and student microphones so that every student in the classroom can be engaged with improved visuals and an enhanced sound system to hear the teacher’s instruction regardless of where they are seated in the room.</p>