



## PUBLIC SCHOOLS

MILTON, MASSACHUSETTS 02186

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TO: Mary C. Gormley, Superintendent

FROM: Bob Pattison, Information Technology Director

RE: **5 Year Capital Budget Expenses**

DATE: September 18, 2018

As requested by the Capital Improvement Planning Committee, I have attached the School department's 5 year technology capital plan. This plan supports several key educational objectives and the technical objective of making the Milton Public Schools to be a 1:1 computing environment by FY 21.

The vision of the Milton Public Schools is:

"The Milton Public School System is a dynamic community that challenges all students to thrive and achieve. Our schools provide a well-funded teaching and learning environment in state-of-the-art facilities. In partnership with the community, we equip our students with the skills and knowledge necessary to adapt and contribute to a changing world."

Its core values are:

- High Academic Achievement for all Students
- Excellence in the Classroom
- Collaborative Relationships and Communication
- Respect for Human Differences
- Risk-Taking and Innovation for Education

Students can benefit from the vast amount of digital resources available on the Internet therefore; we need to provide all the tools necessary for teachers and students to access these resources. By getting wireless technology in the hands of as many students as possible, with a goal of 1 to 1 computing, students will have instant access to rich educational content conducive to independence of learning while also preparing them for the ever changing digital world.

Due to several computer labs being taken over as classrooms, we were able to reallocate those PC's and are able to remove the request for additional PC's for 1 year.

We make the following requests:

- A. WiFi upgrades** – Last year's wireless improvements enabled the high school to accommodate the 1:1 initiative and have been a major success. Due to this success and the fact that this is the last year for federal E-rate funding for wireless infrastructure equipment under the E-Rate modernization order, we are adding this line item. This request would increase the wireless capacity at the rest of the schools and make them 1:1 device ready.
  
- B. Chromebooks and Carts to make Pierce 1:1** – In order to accomplish our goal of becoming a 1:1 district, wireless devices are required for all students. The Chromebooks are the most cost effective and versatile solution. This is the second step of large scale deployment of Chromebooks. This request would be to supply a cart with Chromebooks to each core class at Pierce. The benefits are many but most importantly:
  - 1. The devices would prepare for the students for the high school 1:1 environment and beyond (college)
  - 2. Teachers would have the freedom to plan lessons using the devices without needing to fight over a limited number of carts
  - 3. Students with IEP's would have their own device for MCAS testing
  - 4. Ease of management of devices