

1:1 Technology plan - Salem Public Schools

April 2018

- 1:1 Technology program for Salem Public Schools
- How to fund the proposed 1:1 technology program at Salem High School

On each slide a funding model will be explored with pluses and minuses of each

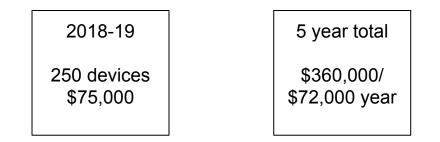
Current technology inventory

- Salem High School: 5 Chromebook carts totaling 125 Chromebooks
 - 100 2 year old Acer model
 - 25 new 2-1 flip Acer model

 Collins Middle School: All student have Chromebooks totalling more than 500 devices. One class level is 3 year old Acer model, while the other 2 grades are 1 year old Acer model

Plan for Salem High School:

- 2018-19 Each Freshman gets a device projected at 250 devices
- 2019+ Each student grade 10-12 gets a device projected at 700 additional Devices (Implementation strategies need to be reviewed)
- <u>Device cost</u> 2-1 Flip Chromebook = \$270 Google Admin Console license = \$30 Total = \$300 for each new device



OPTION 1 - SPS funds the program.

Many districts that have decided to embark on a 1:1 program in this model have built in a recurring annual cost as this will cover the program long term.

- Current student population = \$72-75,000/year to support 1:1 program
- In addition to the purchase of the devices, considerations need to be made regarding upkeep and repairs?

OPTION 2 - SPS funds the program and asks parents to support program through a tech fee.

Many districts that have decided to embark on a 1:1 program in this model have built in a recurring annual cost as this will cover the program long term while also asking parents that are able to pay for a yearly tech fee.

- Using current student population data = 46% Economically Disadvantaged
- 54% of student body at SHS = 530 students
- This would support the repair/replacement plus add some \$\$ to fund program

Tech Fee	Tech Fee	Tech Fee	Tech Fee
\$25	\$30	\$35	\$40
\$3,375 gr. 9	\$4,050 gr. 9	\$4,725 gr. 9	\$5,400 gr. 9
\$13,250 gr. 9-12	\$15,900 gr. 9-12	\$18,550 gr. 9-12	\$21,200 gr. 9-12

OPTION 3 - Phase the project in over 4 years. SPS funds the program through operating expenses and asks parents to support program through a tech fee.

Similar to the previous models, but roll out a grade level at a time. This would level the cost to a consistent number and make the refresh a yearly budget item.

- Makes integration more complicated as you get into grades 10-12
- Makes it more difficult to keep all students on the same device

Tech Fee	Tech Fee	Tech Fee	Tech Fee
25\$	30\$	35\$	40\$
\$13,250	\$15,900	\$18,550	\$21,200
Net cost - \$61,750	Net cost - \$59,100	Net cost - \$56,450	Net cost - \$53,800

Option 3 - BYOD - Require all students to come with a device that meets certain minimum levels.

- SPS would have to provide for <u>AT LEAST</u> 46% of the students that would be at least \$37,125 (likely higher).
- Unless the program requires all students to bring a Chromebook to be managed by the school, then you would have to also provide for computers for Computer Based Testing for grades 9-10 which will be required in 2018-19 school year.
- Long list of additional issue this program raises See DESE Digital Learning *"Planning and Implementation Considerations for BYOD and 1:1 Technology* <u>Models"</u> document for more information

What are other districts doing?

- Malden: 1:1 grades 6-12 2,200 devices at HS. All students pay \$40 fee
- Danvers: 1:1 grades 6-12 all students pay \$30 insurance fee
- Peabody: 1:1 grade 6-9, adding a class a year. All students pay \$30 fee
- Waltham: 1:1 grades 6-12, students don't pay any fee
- Revere: 1:1 grades 6-12, students pay an insurance/processing fee
- Beverly: 1:1 grades 9-12, BYOD or lease from school
- Lynn: no official 1:1 program
- Gloucester: 1:1 grades 8-10, adding a grade a year
- Haverhill: 1:1 in middle school as part of a new school loan, budgeted for 1:1 at HS in 2016-17 but it was cut
- Dennis-Yarmouth: 1:1 3-12 with iPads
- Fitchburg: 1:1 9-12 Article

SALEM PUBLIC SCHOOLS

1:1 Programs in Massachusetts - 92 schools represented

