



# School Technology Capital Request

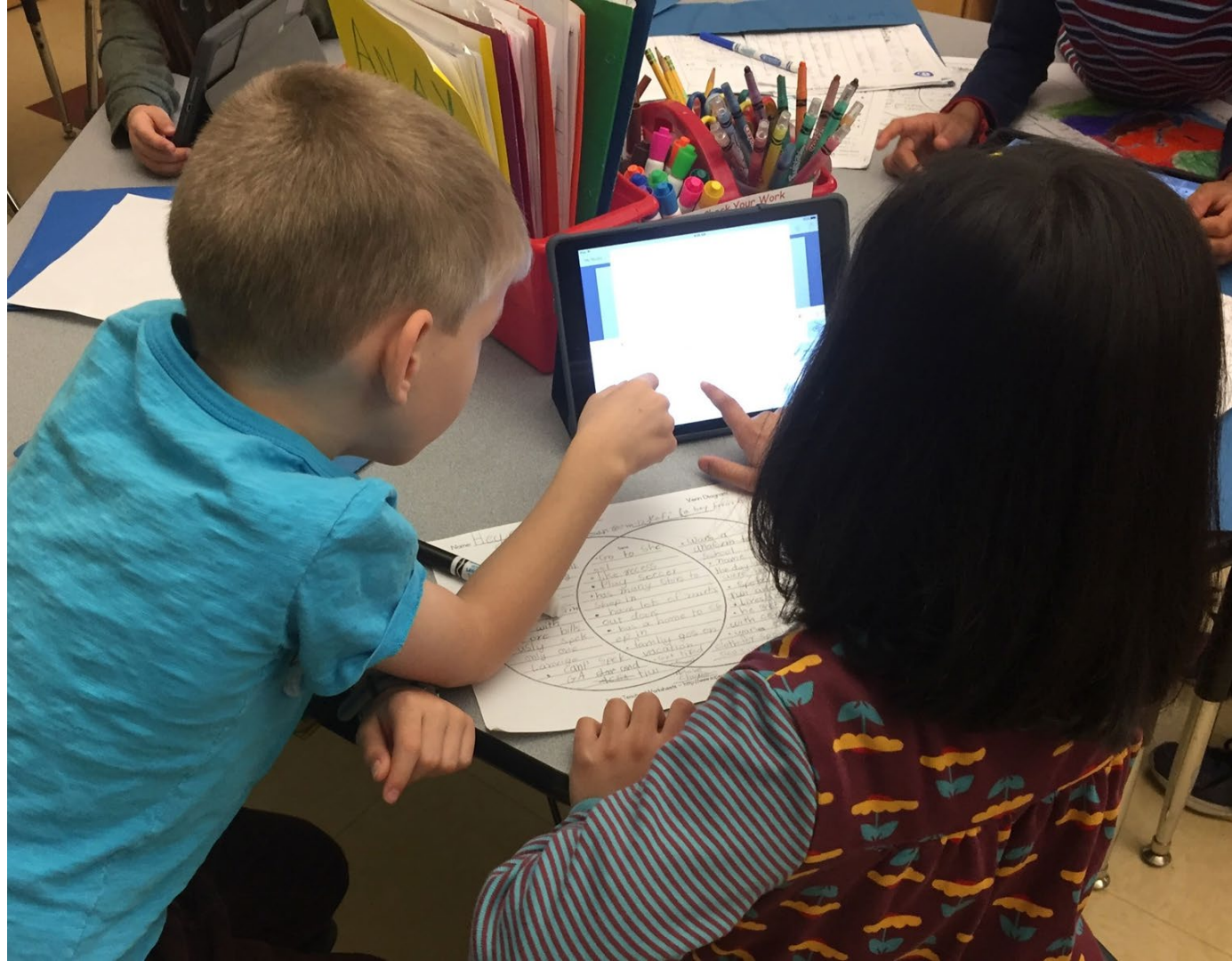
**Dr. Julie Hackett**  
Superintendent





Infrastructure  
& Access

# Capital Requests





# FY 2020 Capital Request



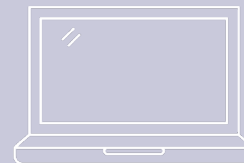
# \$ 1.7 Million

Total 2020 Tech Capital Request



## \$ 674 K

Increase Mobile device access



## \$ 640 K

Replace existing equipment



## \$ 398 K

Infrastructure Improvements



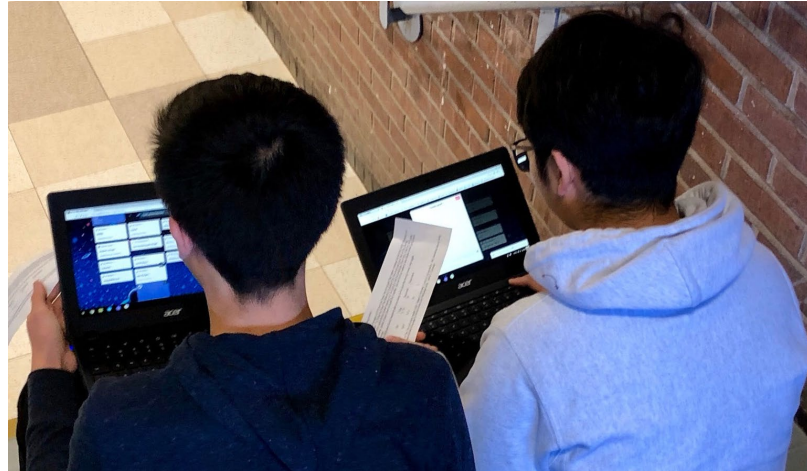


## Savings



## *E-Rate Reimbursement*

- Anticipate \$100 K for FY20
- Lexington Schools eligible for 40% refund for qualifying infrastructure expenses and internet service costs





2020

2021

2022

2023

2024

\$1,743,900

\$1,249,600

\$1,661,500

\$1,872,000

\$1,069,500

Achieve 1:1 for LHS-  
Purchase 2 grade levels of  
devices.

Achieve 1:1 capacity in  
Grades 3 & establish  
2:1 capacity in Grades  
K-2

Support replacement of  
secondary 1:1 devices;  
replace 3 grades +  
elementary cart devices

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Support staff laptop &  
student mobile device  
replacement plan

Replace 1 grade level of  
1:1 devices at Middle  
School

Replace end of life  
mobile devices at  
elementary schools

Replace end of life  
wireless network  
equipment

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equipment

Replace end of life  
wireless network  
equipment

Achieve 1:1 Grades 4 & 5

Upgrade to high  
capacity wireless  
access points at LHS

Purchase physical  
computing / robotics  
materials for MS

Update Computer labs  
at LHS

Update of Computer at  
LHS

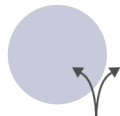
Upgrade to high capacity  
wireless access points at 3  
elementary schools

Replace elementary  
robotics equipment

Establish back up power  
for VoIP phones & network



# Infrastructure



## Separation

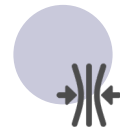
Separate internet traffic from town / school.

Prioritize sites / devices for learning vs personal use.



## Bandwidth

Build network to 10gb capacity to support increased devices & usage.



## Resiliency

Construct a safe & stable network with failover service.



# Device Access by Grade Level Bands



## Elementary

Equitable distribution & access to devices across buildings.

Appropriate tools & ratios by grade level.

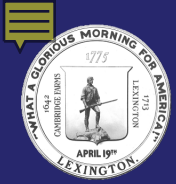
By FY21 → 1:1 Grades 3-5, 2:1 Grade K-2



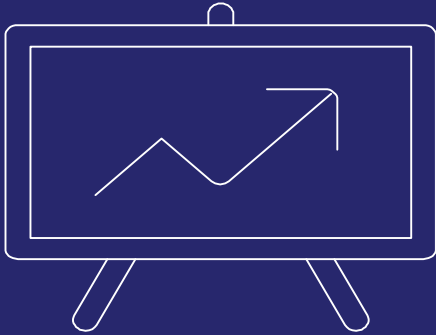
## Secondary

1:1 program @ LHS w/ Chromebooks supplemented by carts of laptops & tablets to meet all needs.

By FY20 → 1:1 Grades 6-12



# Equity



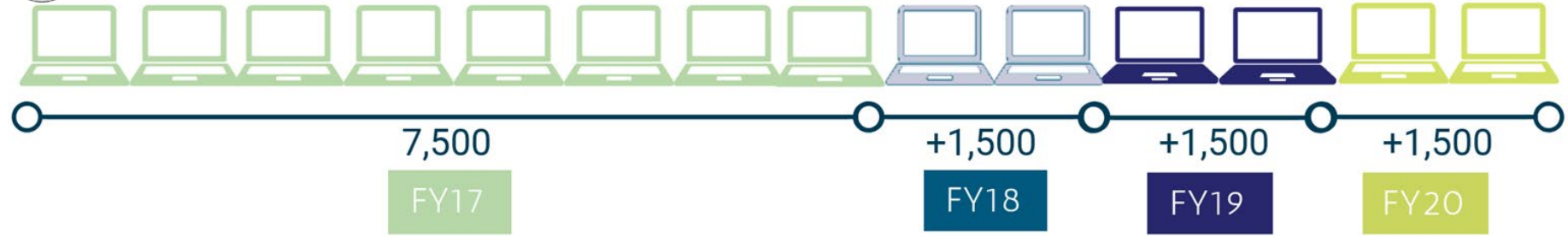
## *Equitable device access among schools*

- Gr K & 1 - iPads available for classroom centers
- Gr 2 - Shared Chromebook cart for team + classroom iPads for centers
- Gr 3 - 1 Chromebook cart shared per 2 classrooms
- Gr 4 & 5 - 1 Chromebook cart per classroom





# 60% Increase in Computing Devices



## Student Device Access Goals Achieved

