

# 1:1 Program Overview

---

BOE Meeting  
April 21st, 2020



# CHROMEBOOK OVERVIEW

Overall District Devices = 12,691

Chrome OS Devices = 9,340

1:1 MS Chromebooks = 4,020\*

**Middle School 1:1 = 32% of Total Devices**



# Survey Results

---



# SURVEY OVERVIEW

Chromebooks used in **SCHOOL** regularly?

Students = 86%    Teacher = 81%

Chromebooks used at **HOME** regularly?

Students = 87%    Teacher = 63%    Parent = 82%

*\*Regularly is at least 3 times a week*



# Other 1:1 Districts

---



# OTHER DISTRICTS

<u>District</u>	<u>1:1 Home</u>	<u>1:1 Cart</u>	<u>Description</u>
Amherst	No	No	Various carts by levels
Clarence	No	Yes	Every classroom has a cart
Depew	Yes	No	Grades 6-12 devices go home
East Aurora	No	No	Various carts by levels
Hamburg	Yes	No	Grades 5-12 devices, Grades 7-8 go home
Lancaster	Yes	No	Various carts by levels, Grades 7-8 go home
Orchard Park	Yes	No	Grades 8-12 devices go home
Sweet Home	Yes	Yes	Grades 6-12 devices go home
Tonawanda	Yes	Yes	Grades 6-12 devices go home



# PROS & CONS FOR CART BASED MODEL

## Cart Based Model (1:1 or General Signout)

**Pro:** Less device breakage, reduced device insurance costs, less student screen time, devices stay in school, monitoring stays within district

**Con:** Devices not available on demand, time constraints and logistics for signing in and out, homework shift (loaner model), device increase based on student need



# PROS & CONS FOR 1:1 MODEL

## 1:1 Home

**Pro:** Device for every student in school and home, access to materials, less instructional time lost

**Con:** Breakage due to travel, monitoring devices at home, concerns for screen time

Deployment, collection, cleaning and replacement





# 1:1 Cost Overview

---



# CURRENT 1:1 COST

Annual Replacement = 900 Devices

Total Chrome OS = 4020 Devices

Total Cost = \$1,025,100



# FUTURE CART BASED MODEL

Total Chrome OS = 4,285 Devices

Additional Carts = 191

Total Cost = \$1,232,105

**Cost increase = \$207,005 over 5 years**



# COVID-19 Impact

---



# COVID-19 DEVICE DEPLOYMENT

## Additional Devices Deployed\*

High School = 187      Elementary = 143

*Families without internet access*

## Implementation Plan for Deployment

1:1 allows for devices already at home

Additional chargers to keep carts together



# COVID-19 IMPLICATIONS

Virtual Desktop and Cloud File Demand

VPN, Google Drive and Office 365

Learning Management System

WITS, Google Classroom & Sites, SeeSaw

Communication Systems

WITS, Outlook, Video Conferencing, Other



# Future 1:1 Plans

---



# FUTURE 1:1 PLANS

## 2020-21 Model 1:1 "As Is"

Current budget supports our 1:1 model

## Recommendation for 2021-2022

"Hold in Place"

Continue to review program needs

