Building a Connected Learning Environment

Phase I - Infrastructure & Instructional Readiness

Agenda

○ Welcome

○ Introductions & Updates from Anthony Taibi

○ OpenRoom - Overview of Readiness & Action Plan

○ Overview of Smart Schools Bond Act (SSBA)

○ Next Steps

OpenRoom Introduction

"Our mission is to **improve** the classroom that the student **learns in**, the devices and applications they **learn on**, increase teachers capacity to use technology while maximizing what the students **learn from** and to help support them when they struggle with **innovative educational services**"

OpenRoom – Plan, Select and Execute

Site Study
- Classroom observations
- Guided conversations with students and employees
- Student / teacher technology package

Surveys
- Admin
- Educators
- Student (future survey to leverage the device & curriculum)

Interviews
- Admin
- Educators

Survey & Interviews (Areas of Focus)

- Hardware
- Software
- Training
- Curriculum

- Technology Access and Support
  - Student Devices
  - Classroom Technology
  - Software
- Instructional Technology
- Integration of Technology into Curriculum
- Student Device Selection
- Professional Development
- Learning Management Systems

Recommendations

Primary
- Enhance network infrastructure & connectivity
- Provide more flexible internet filtering
- Differentiate devices for students by grade
- Formalize technology standards
- Increase device access for students
- Update classroom technology
- Provide student Chromebook printing options
- Better document management for faculty
- Improve tech support availability

Secondary
- Fix Gradebook access issues
- Enhance technology sharing opportunities
- Increase access to academic technology support
- Increase formal and leveled technology training

Technology Updates

Completed or In Progress

- ❏ Increase and level professional development offerings
- ❏ Improved internet filters with teacher feedback
- ❏ Student work moving to online environment (no printing required)
- ❏ Gradebook access
- ❏ Document management solution (Google Drive)
- ❏ eDoctrina / i-Ready use
- ❏ K-5 Technology Standards begun

Scheduled

- ❏ Network and WiFi upgrades (Interim and SSBA)
- ❏ Increase student device availability and quality
- ❏ Differentiate appropriate devices for lower grades
- ❏ Formalize Technology Standards
- ❏ Address student inequity & access
- ❏ Classroom technology upgrades (SSBA)

Connected Learning: Action Plan
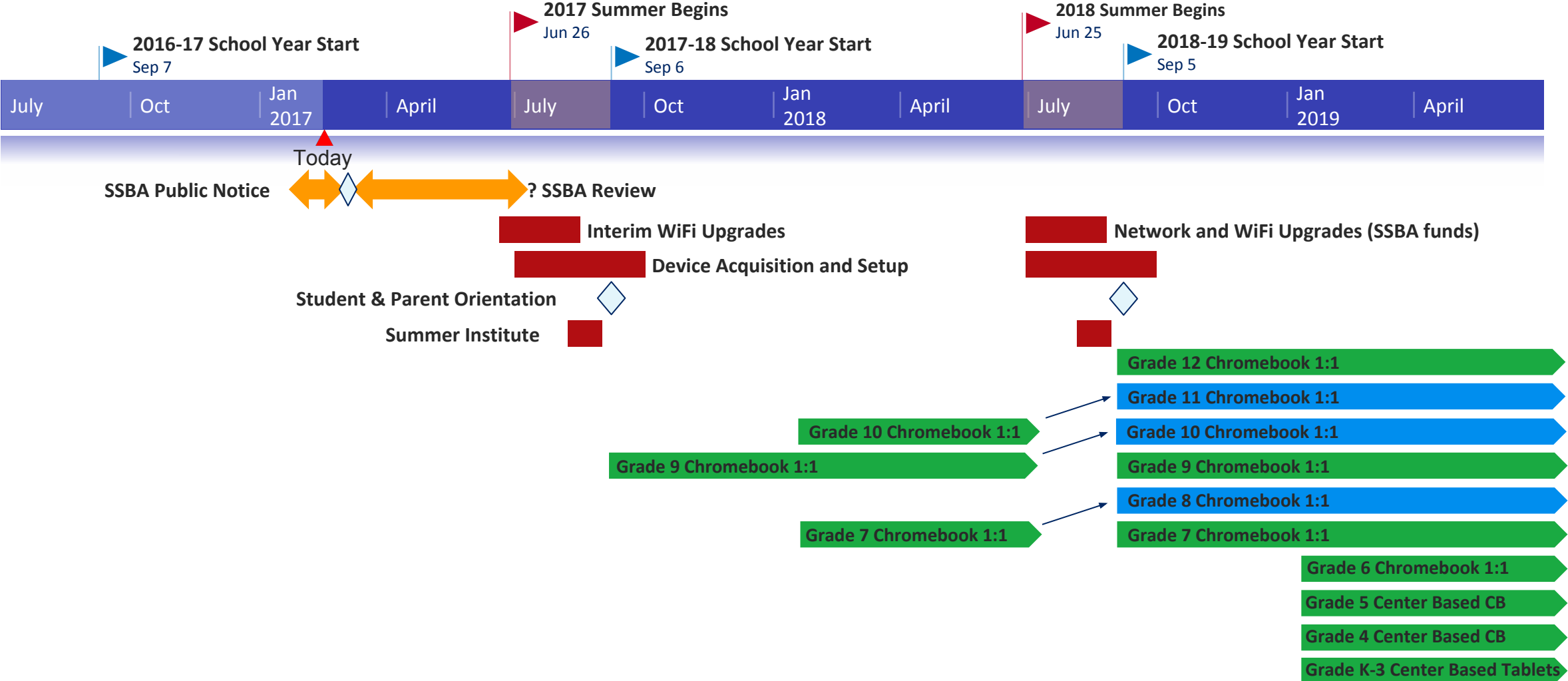
Phase II - 1:1 Rollout, Training & Deployment

Connected Learning Action Plan

○ Technology Standards

○ Technology Updates

○ Device Rollout Timeline

○ Communication & Rollout Plan

○ Curriculum Development & Professional Development

Device Roll Out Timeline

Device Roll Out Plan

2016-2017 School Year

Grade Level	Class	September	January
12	Class of 2017		
11	Class of 2018	6 Shared carts = 180 Additional computers for 1:1 pilot project, Special Education, and Distance Learning.	
10	Class of 2019		
9	Class of 2020		
8	Class of 2021	30 Existing	
7	Class of 2022	30 Existing	
6	Class of 2023	30 Existing	
5	Class of 2024	50 Existing	
4	Class of 2025	50 Existing	
3	Class of 2026	50 Existing	
2	Class of 2027	50 Existing	
1	Class of 2028	50 Existing	
K	Class of 2029	44 Existing	
	Office Staff		
	Teacher		

2017-2018 School Year

Grade Level	Class	September	January
12	Class of 2018	4 Existing carts = 90 Additional computers for Special Education, STAR, and Distance Learning.	4 Shared carts. Additional computers for Special Education & DL.
11	Class of 2019		
10	Class of 2020		New 1:1 Chromebooks
9	Class of 2021	New 1:1 Chromebooks	
8	Class of 2022	60 New Chromebooks (30 replaced, 30 added)	
7	Class of 2023	100 New Chromebooks	Assign new Chromebooks as 1:1
6	Class of 2024	60 Chromebooks (30 replaced, 30 from 7th grade)	
5	Class of 2025	50 Chromebooks (30 replaced)	
4	Class of 2026	50 Chromebooks (30 replaced)	
3	Class of 2027	50 Existing	
2	Class of 2028	50 Chromebooks (30 replaced)	
1	Class of 2029	50 Chromebooks (30 replaced)	
K	Class of 2030	44 Existing	
	Office Staff		
	Teacher		
Purchasing		540 Devices	

2018-2019 School Year

Grade Level	Class	September	January
12	Class of 2019	New 1:1 Chromebooks	
11	Class of 2020	From 2017-2018 Grade 10	
10	Class of 2021	From 2017-2018 Grade 9	
9	Class of 2022	1:1 From 2017-2018 HS shared carts	
8	Class of 2023	From 2017-2018 Grade 7	
7	Class of 2024	New 1:1 Chromebooks	
6	Class of 2025	60 Existing Chromebooks	1:1 Chromebooks (from 8th grade)
5	Class of 2026	Center Based Chromebooks	
4	Class of 2027	Center Based Chromebooks	
3	Class of 2028	Center Based Tablets	
2	Class of 2029	Center Based Tablets	
1	Class of 2030	Center Based Tablets	
K	Class of 2031	Center Based Tablets	
	Office Staff		
	Teacher		
Purchasing		220 Devices	

2019-2020 School Year

Grade Level	Class	September	January
12	Class of 2020	From 2018-2019 Grade 11	
11	Class of 2021	From 2018-2019 Grade 10	
10	Class of 2022	New 1:1 Chromebooks	
9	Class of 2023	From 2018-2019 Grade 8	
8	Class of 2024	From 2018-2019 Grade 7	
7	Class of 2025	New 1:1 Chromebooks	
6	Class of 2026	From 2018-2019	
5	Class of 2027	Center Based Chromebooks	
4	Class of 2028	Center Based Chromebooks	
3	Class of 2029	Center Based Tablets	
2	Class of 2030	Center Based Tablets	
1	Class of 2031	Center Based Tablets	
K	Class of 2032	Center Based Tablets	
	Office Staff		
	Teacher	150 Devices	
Purchasing		370 Devices	

Legend
- **New 1:1 at grade level**
- **Existing 1:1 or full center based devices at grade level**
- **New devices at grade level (not 1:1)**

Curriculum Support & Development

Curriculum Support Survey

* Required

Email address *

Your email

Subject or Grade Level *

Your answer

Do you have a curriculum map? *
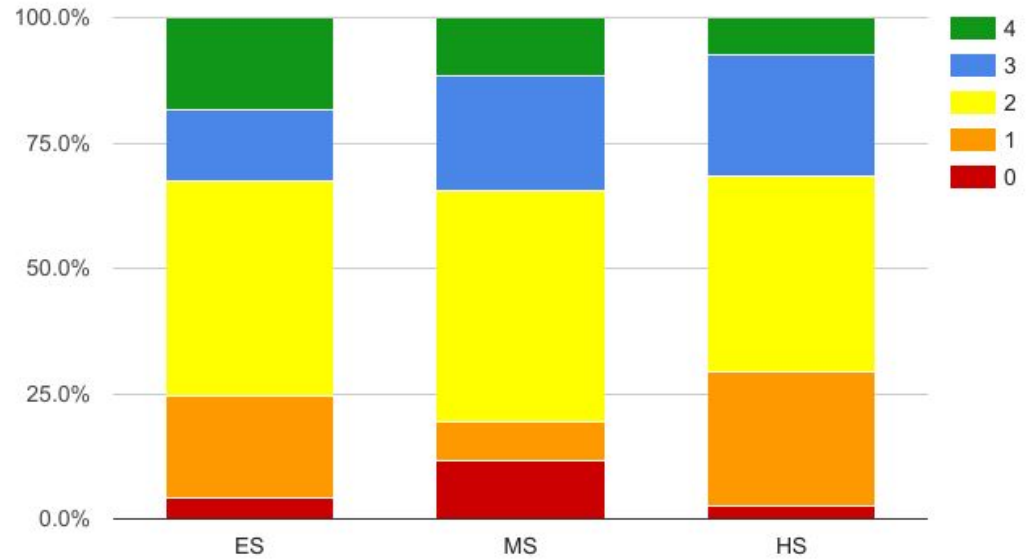
◯ Yes

◯ No

◯ Other:

If "Yes" where is it located?

◯ Rubicon Atlas archive

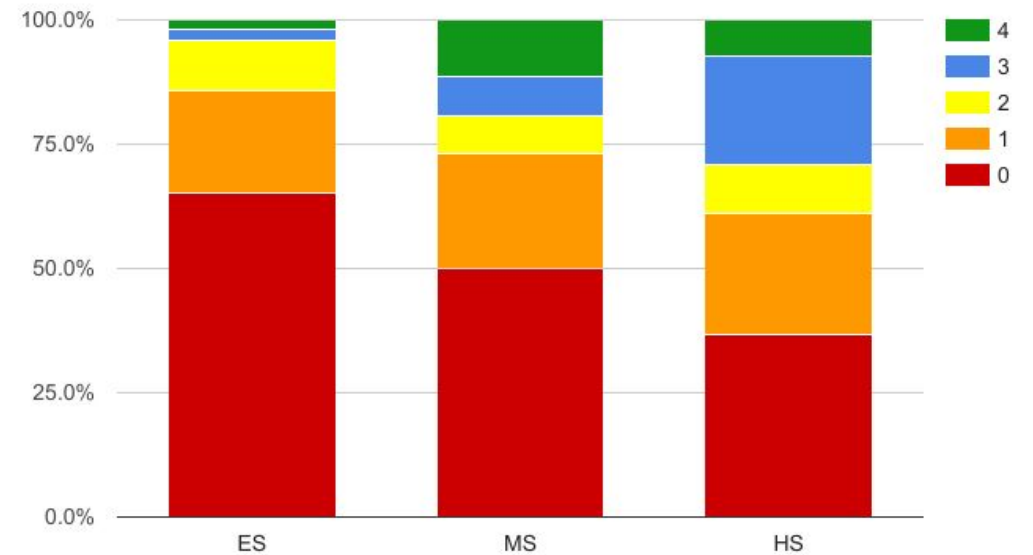◯ eDoctrina

◯ Excel, Sheets, Word, Etc.

◯ Other:

Are you using a textbook? *

◯ Yes

◯ No

◯ Other:

Google Docs Experience Levels by School

Google Classroom Experience Levels by School

Professional Development

1. **Faculty Google Apps Training**
   a. Drive
   b. Docs, Sheets, Slides, Forms
   c. Classroom

2. **Student Device Orientation and Expectations**
   a. Parent education
   b. MS/HS Chromebook rules and expectations
   c. Student Google Classroom orientation

3. **Embedded Instruction**
   a. Individual teacher training with Questar III
   b. Digital Content

Smart Schools Spending Plan

Mission: What We Do

The Cairo-Durham Central School District, in partnership with the community, is committed to creating multiple learning pathways that empower all students to maximize their individual potential and become leaders in their local and global communities.

Vision: What We Want to Be

The Cairo-Durham Central School District will provide a collaborative and engaging environment that is committed to the educational excellence of each individual student. By fostering high expectations and creating educational leaders, we will be recognized regionally and across the state as an exemplary school system.

Smart Schools Bond Act
History

In 2014, Governor Cuomo established the "Smart Schools Commission" to conduct a review of all New York State schools to determine their ability to:

- ❏ Expand online learning and connectivity
- ❏ Utilize technology for instruction and professional development

EXPECT EXCELLENCE

Smart Schools Bond Act
CDCSD Allocation

The Smart Schools Commission recommended targeted funding for schools to eliminate gaps in technology. The Smart Schools Bond Act was approved by voters. It authorized the release of $2 billion statewide for all public schools to finance educational technology and infrastructure to improve learning opportunities.

Cairo-Durham was allocated $1,293,077

EXPECT EXCELLENCE

Typical Uses of Smart Bond Act

Capital Projects

- Brick and Mortar
  - Instructional Space
  - Upgrades to buildings
- Security
- Expand Internet Connectivity

Technology Hardware

- Interactive Touch Displays
  - Dell, In-Touch, Etc.
- Computing Equipment
  - Desktop
  - Laptop
  - Chromebooks
  - Tablets
- Network Hardware
  - Wired
  - Wireless
  - Switches
- Network Wiring
  - Cat 5+ wiring
  - Fiber-Optics

EXPECT EXCELLENCE

Cairo-Durham Goals for
Smart Schools Investment Plan (Phase I)

Improve and enhance existing infrastructure (network hardware and wiring) ensuring:

- Reliability
- Dependability
- High performance
- Sustainability
- Scalability

EXPECT EXCELLENCE

Cairo-Durham Goals for
Smart Schools Investment Plan (Phase I)

Procure and Implement classroom technology to support engaged learning inside and outside the four-walls of the classroom, giving students and educators their ability to reach their highest potential.

Cairo-Durham Smart Schools Bond Act Proposed Allocation

Budget Category	Allocations
Network Infrastructure Upgrades (Phase I)	$ 307,772
Future Smart Bond Funds (Phase II +)	$ 985,305
Total	$1,293,077

EXPECT EXCELLENCE

Smart Schools Bond Act:
What About Unallocated Funds?

● There is currently no deadline for when remaining funds need to be spent. (Remaining funds do not expire.)

● Future Smart Bond funds can be used for:
  ○ A large scale technology purchase
  ○ Several smaller replacement purchases
  ○ Supplement existing funds to purchase technology related items already in the budget

EXPECT EXCELLENCE

Smart Schools Bond Act Resources

- SED Management Services "Smart Schools Bond Act" information page
  www.p12.nysed.gov/mgtserv/smart_schools/home.html

- SED Facilities Planning "Smart Schools Bond Act" information page
  www.p12.nysed.gov/facplan/SmartSchoolsBondAct.html

- Cairo-Durham CSD Smart Schools Bond Act Webpage cairodurham.org/ssba

- Additional questions can be sent to: communications@cairodurham.org

EXPECT EXCELLENCE

Building a Connected Learning Environment

Questions & Answers / Next Steps

Next Steps

- PD - instructional technology support to leverage new devices

  - Google Classroom & Apps

  - eDoctrina/iReady

- Interim upgrades to support device increases

- Device purchases, roll-out and training

- SSBA Approval and infrastructure upgrades

- Long term budgeting for device roll out and refresh