

Smart Schools Investment Plan 1.1

Syracuse City



School District

SSIP1.1 EXECUTIVE SUMMARY, **FINAL** Student Computing Devices for Blended Personalized Learning Initiative

May 23, 2016

Presented to Syracuse City School District Board of Education



ARCHI-TECHNOLOGY^{LLC}
Technology Consultants

Connecting People, Technology & Buildings

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SCSD Smart Schools Investment Plan (SSIP) 1.1:
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Smart Schools Bond Act (SSBA) Overview



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About the Smart Schools Bond Act of 2014



- **The Smart Schools Bond Act (SSBA)** was passed in the 2014-15 Enacted Budget and approved by the voters in a statewide referendum on Nov. 4, 2014.
- The SSBA authorized the issuance of **\$2 billion** of bonds to finance improved educational technology and infrastructure.
- The intent of the SSBA is to **improve current learning opportunities for NYS K12 students** as well as future employment potential in the 21st Century job market.

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About the Smart Schools Bond Act (cont.)



- The SSBA provides funds for three specific areas:
 - Instructional technology including devices
 - Technology infrastructure and connected systems including high-tech Security features
 - Temporary classroom upgrades to permanent structures
- The SSBA requires that a Review Board review and approve districts' **Smart Schools Investment Plans** (SSIPs) before any funds are made available.
- SSIPs are developed by a **District's SSIP team** based on current conditions and the District's five-year objectives.
- **Syracuse City School District** is eligible for **\$27,150,068.**



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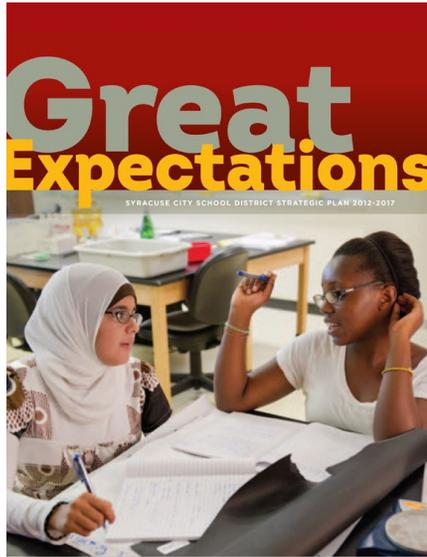


Syracuse City School District Goals and Objectives



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SCSD: Mission and Goals



2012 – 2017 Strategic Plan

Mission

To build, support, and sustain school communities that provide all students with a high-quality education that prepares them to graduate as responsible, active citizens ready for success in college and careers and prepared to compete in a global economy.

Ultimate Goal

An educational community that graduates every student as a responsible, active citizen prepared for success in college, careers, and the global economy.

—continued—



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SCSD: Mission and Goals (cont.)



District Goals

1. Provide all students with equitable access to rigorous **curriculum** with aligned instructional materials and assessments in all subjects and all grade levels.
2. Recruit, develop, support, and retain effective **teachers** and **school leaders**.
3. Develop **infrastructure** to support student success.
4. Build a district **culture** based on high expectations, respect, and co-accountability for performance that recognizes and rewards excellence at all levels of the organization.
5. **Communicate** effectively with all district stakeholders.



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SCSD: Technology Goals



The District's Technology Committee has defined the following four major technology goals for Smart Schools Bond Act funding:

Current Goals

1. Student Computing **Devices** to support Blended Personalized Learning (BPL)
2. **Data Center** Improvements

Future Goals

3. High-Tech **Security Systems** (including Integrated Security Management, Access Control and Video Surveillance)
4. **School Connectivity** (High Speed Broadband and Wireless Connectivity)



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SCSD Smart Schools Investment Plans



Each goal will require one (or more) individual Smart Schools Investment Plans (SSIPs) to obtain the district's SSBA allocation from the State.

This SSIP1.1 Executive Summary describes the first (2) of (3) Phases required to meet **District Goal 1, Student Computing Devices:**

- **Phase 1:** Wave 1 (9/16) and 2 (1/17) of new devices
- **Phase 2:** Wave 3 (1/18) of new devices

Phase 3, Refresh of Waves 1 – 3, is scheduled to begin in Sept. 2019 and continue through the '21/'22 school years. This Refresh Phase will be the subject of its own SSIP.



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Syracuse CSD SSIP1: Student Computing Devices, Waves 1 – 3



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Blended Personalized Learning (BPL)

The BPL curriculum-based district initiative requires students to have in-class access to a variety of tools and software applications.

Benefits of BPL for classrooms include:

- Allows instruction to be targeted to each student's strengths, needs and interests (vs. teaching only to the middle-level student).
- Allows students to work on what they need at their own pace using digital content.
- Allows teachers to quickly assess gaps in skills and understanding for appropriate intervention.





Recently completed District Projects that support BPL

- Upgraded the **Wide-Area Network (WAN) connections** to all buildings and the Central Data Center to increase the network bandwidth capacity.
- Upgraded Central **Data Center network equipment.**
- Implemented **Wireless management solution** to help create a seamless, secure experience for district equipment and users.
- Increased **Wireless coverage** in school buildings to allow more devices to connect to the network at higher connection speeds.
- Increased Internet **Bandwidth** to aid in delivery of Digital Content to classrooms.
- Support of **new devices** used in the BPL classrooms.





Refresh Rates

“Refresh” is the term for the scheduled replacement of end-of-life technology to maintain an inventory of devices that deliver a high-quality experience for students and teachers.

The district’s schedule to refresh Wave 1 – 3 devices:

- **Wave 1:** ‘19/’20 School Year
- **Wave 2:** ‘20/’21 School Year
- **Wave 3:** ‘21/’22 School Year



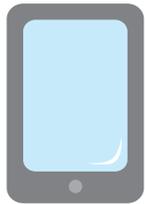
SSIP1: Student Devices, Waves 1 – 3 (cont.)



The district is recommending a **3:1 Student-to-Device ratio** to support the BPL Initiative.



SSIP1: Student Devices, Waves 1 – 3 (cont.)



Based on these recommendations and current enrollment, here is the hardware allocation required to adequately support the district's BPL initiative.

School Category	Enrollment	Ratio	Approx. No. of Devices
Elementary	7,233	3:1	2,400
K – 8	4,195	3:1	1,400
Middle (6 – 8)	2,560	3:1	850
High (9 – 12)	6,251	3:1	2,100
Approximate Total Devices			6,750

Based on 2014 – 2015 enrollment data.



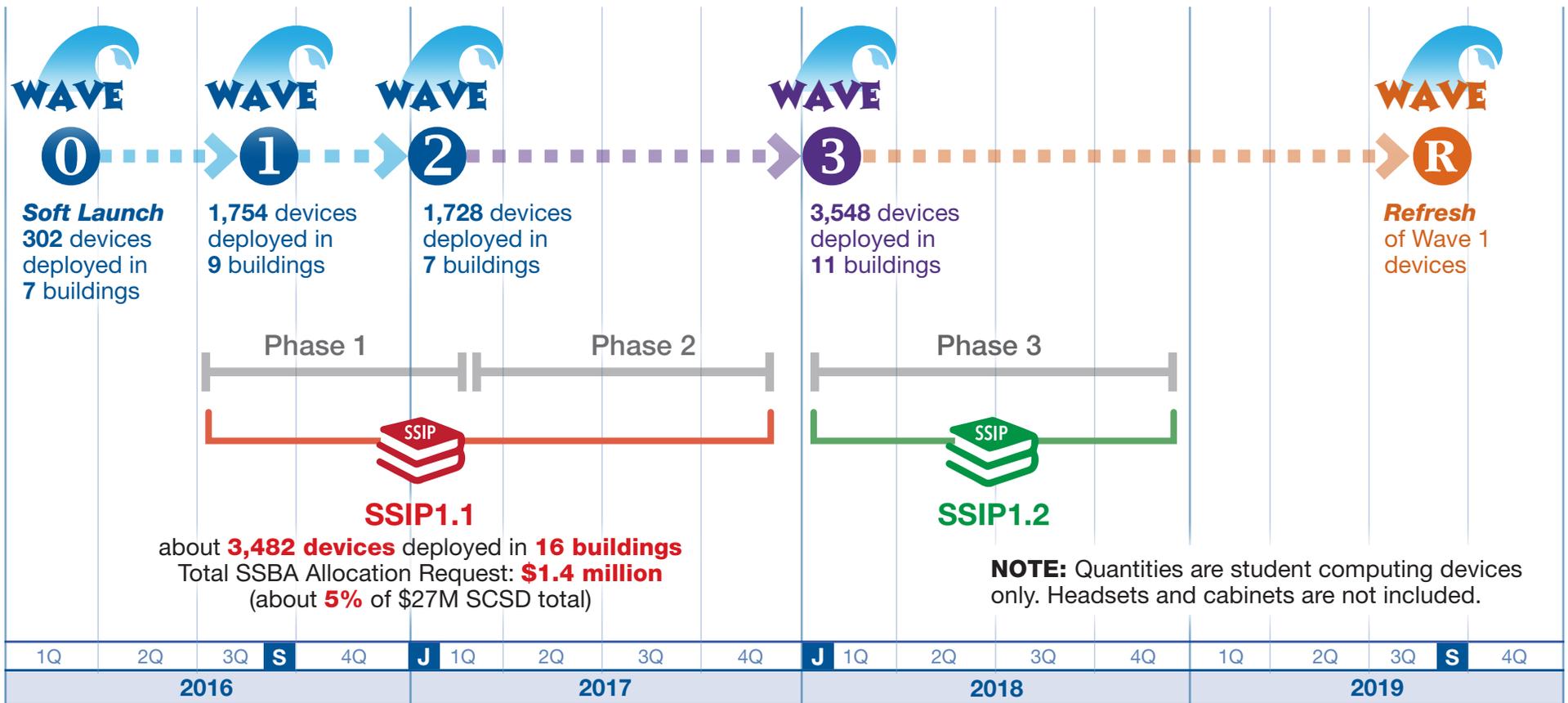
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SSIP1: Student Devices, Waves 1 – 3 (cont.)



SSIP1.1 includes Wave 1 & Wave 2



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SSIP1.1: Student Devices, Waves 1 and 2



Here are summaries of SCSD's per-building device estimates:

WAVE 1 SSBA funding: **\$699,840**

BUILDING	DEVICES	HEADSETS	CABINETS
Grant*	0	0	0
Meachem	130	130	14
Danforth	234	234	29
Delaware	226	226	27
Franklin	248	248	29
Huntington	290	290	35
Bellevue	98	98	1
Seymour	138	138	12
VanDuyn	90	90	10
Weeks	300	300	30
Total Count	1,754	1,754	187
Total Cost	\$503,398	\$43,850	\$152,592
TOTAL OF WAVE 1		\$699,840	

WAVE 2 SSBA funding: **\$715,392**

BUILDING	DEVICES	HEADSETS	CABINETS
HW Smith*	0	0	0
Roberts	216	216	27
Ed Smith	408	408	51
Salem Hyde	152	152	19
Webster	296	296	37
Mckinley- Brighton	264	264	33
Syracuse Latin	120	120	15
PSLA	272	272	34
Total Count	1,728	1,728	216
Total Cost	\$495,936	\$43,200	\$176,256
TOTAL OF WAVE 2		\$715,392	

*Previously equipped with other funding sources.

WAVE 1 + **WAVE 2** = **\$1,415,232** in SSBA funding



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SSIP1.1: Non-Public District Devices



Districts must use a proportion of their SSBA allocations to fund technology initiatives for students attending non-public schools.

Non-Public Students in SCSD	798
Total Budget for Non-Public Students	\$67
Total SSIP1.1 Non-Public Student Allocation	\$53,674



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SSIP1.1: Student Devices, Waves 1 – 2 (cont.)



WAVE 1 + **WAVE 2** = **\$1,415,232** in SSBA funding

SSIP1 Waves 1 and 2: By The Numbers

In total, Waves 1 and 2 will provide:

- About **3,482** student computing devices in **16** buildings
- Approximately **\$1.5 million** in 2016 of the district's available \$27M SSBA allocation (about **5%** of district total)

WAVE 1 + **WAVE 2** + Non-Public Devices = **\$1,468,906** in SSBA funding



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SSIP1.1: Student Devices, Waves 1 – 2 (cont.)



Total SSIP1.1 and Other Related Funding

SSIP 1.1: Waves 1 and 2 **\$1,415,232**

SSIP 1.1: Non-Public Student Devices **\$53,674**

Other Funding Sources **\$388,718**

- Receivership Grant \$221,600
- General Funds \$96,768
- (2) Learning Technology Grants (LTGs) \$70,350

Grand Total of All Funding Sources **\$1,857,624**

	COMPUTING DEVICES	HEADPHONES	CABINETS
Projected Refresh	4,608	4,608	0
Total Cost	\$1,322,496	\$115,200	\$0
GRAND TOTAL	\$1,437,696		



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SSIP1.1: Student Devices, Waves 1 – 2 (cont.)



Professional and Technical Supports

Various funding sources are being evaluated and could potentially be used for the Professional Development and Technical Support needed to support the rollout of student devices.

Professional Development

- Would encapsulate the Personalized Blended Learning Initiative.
- Each Wave will go through a sequence of PD for the BPL Leadership Teams.

Technical Support

- Has increased staff by five employees.
- Help Desk ticket volume is closely monitored to use as a tool in determining staff support.



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Financial Sustainability

Various funding sources could potentially be used to ensure the financial sustainability of the Student Computing Devices initiative:

- Future Instructional Technology Operating Budget appropriations
- Balance of SSBA allocation
- E-RATE funding
- Grant funding (e.g., Learning Technology Grants)

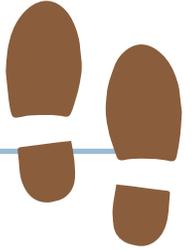




Previous and Next Steps



SSIP1.1 Previous and Next Steps



SSIP1.1 Previous Steps

- April 14** SSIP1.1 Plan and Executive Summary posted to district website for 30-day review period
- April 18** SSIP1.1 Plan public review meeting, 4:30 pm
District Main Office, 725 Harrison St., Syracuse
- May 14** SSIP1.1 Plan public review period ends including submissions via the Let's Talk SSIP web page

SSIP1.1 Next Steps

- May 23** Board Final Approval of SSIP1.1 Plan
 - May 24** Posting of final SSIP1.1 Plan to district website
 - June 15** Target SSIP1.1 Plan submission to NYS SED for review and approval
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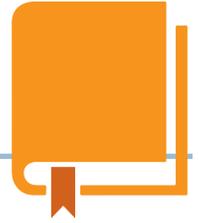




Available Resources



Available Resources



Click on the link to open the PDF or web page in your web browser.

SCSD Resources

- SCSD Smart Schools Bond Act [web page](#)
- SCSD Smart Schools Bond Act [Timeline](#)
- SCSD *Great Expectations* [5-Year Strategic Plan](#)

NYS Resources

- Smart Schools Bond Act of 2014 [Statute](#)
- Smart Schools Bond Act [FAQs](#)
- Smart Schools Bond Act (SSBA) [Guidance](#)
- NYS State Education Dept. (SED) [SSBA website](#)



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Questions and Discussion

