

# SMART SCHOOLS BOND ACT

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## Implementation Plan #3

Presented By Art Schouten | September 26, 2016

# SSBA Purpose | Categories

1. Install high-speed broadband or wireless internet connectivity for schools and communities;
2. Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers;
3. Construct, enhance, and modernize educational facilities to accommodate prekindergarten programs and to provide instructional space to replace classroom trailers; and/or
4. Install high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls

# Smart Schools Implementation Plan #3

Wappingers CSD Allocation: \$5,327,266

- Include Stakeholders
- Voter Approval Not Required\*\*  
(\*where SSBA solely funds the project)
- Private / Parochial Schools must be included (\$250 / Pupil)
- No minimums per category
- NYSED Approved Technology Plan
- No deadline for expenditures
- All plans must receive final approval from NYSED SSBA Review Board
- All funds distributed on **reimbursement** basis
- Capital improvements must follow NYSED capital project processes
- Approved expenditures will be reimbursed within 90 days for request

# Smart Schools Implementation Plan #3

## SSBA Committee:

21 current members consisting of Community Members, Parents, Teachers, and Administrators

## Meetings:

12/1/2015: Overview of the SSIP process and consensus to move forward with SSIP #1

- Plan approved by NYSED on 5/11/2016

4/5/2016: Review status of SSIP #1 and continue planning for SSIP #2

- Wrap up Building Safety Discussion/Plans

6/15/2016: Purchasing status of Implementation Plan #1

- Instructional Technology Discussion

# Smart Schools Implementation Plan #3

## The Planning & Submittal Process Must Include:

1. Consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.
2. The district developed and the school board approved a preliminary Smart Schools Investment Plan.
3. The preliminary plan was posted on the district website for at least 30 days.
4. An address to which any written comments on the plan should be sent: ([plans@wcsdny.org](mailto:plans@wcsdny.org))
5. A hearing that enables stakeholders to respond to the preliminary plan (October BoE).
6. A final plan for school board approval and such plan has been approved by the school board.

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

### Current Access to Technology

Carts	Brinckerhoff	Evans	Fishkill	Fishkill Plains	Gayhead	Oak Grove	Myers Corners	Sheafe	Vassar	Kinry
Computer Lab	No Lab	1	No Lab	No Lab	1	No Lab	1	No Lab	1	1
Chromebooks	2	1	2	1	2	2	2	2	1	1
iPads	1	2	1	1	2	1	2	2	1	0
Lenovos	0	1	1	1	2	1	2	1	0	1
Macbooks	1	0	1	1	1	1	1	1	0	1
<b>Total Carts</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>3</b>	<b>4</b>

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

On the Elementary level, the student-to-device ratios differ from building to building.

Evans	187 Devices	361 Students	1.93 Students	Per Device
Kinry Road	145 Devices	285 Students	1.97 Students	Per Device
Sheafe Road	208 Devices	596 Students	2.87 Students	Per Device
Fishkill Elementary	157 Devices	452 Students	2.88 Students	Per Device
Oak Grove	146 Devices	434 Students	2.97 Students	Per Device
Myers Corners	240 Devices	786 Students	3.28 Students	Per Device
Gayhead	269 Devices	908 Students	3.38 Students	Per Device
Fishkill Plains	178 Devices	612 Students	3.44 Students	Per Device
Vassar Road	92 Devices	320 Students	3.48 Students	Per Device
Brinckerhoff	186 Devices	650 Students	3.49 Students	Per Device

**District Average 2.82  
Students per Device**

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

Some of the concerns that have been expressed by our teachers include:

Due to departmentalized schedule - computers are needed for almost entire day

- Carts are being used for an average of **4.5 out of 6.5 hours a day**
- On average only **2 classes a day** have access to each cart of student devices.

Between diagnostic program, curriculum projects, and other initiatives coming (such as Genius Hour) more computers are needed in the building

There are not enough carts to go around

- There is an average of 1.2 Chrome carts per building
- There is an average of 4.5 carts per building (Computer Lab, Chrome, iPad, Netbook, and Macbook)
- This proposal would increase this to add an additional 3 carts carts per building

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

Carts	Brinckerhoff		Evans		Fishkill		Fishkill Plains		Gayhead	
	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed
<b>Computer Lab</b>	No Lab		1		No Lab		No Lab		1	
<b>Chromebooks</b>	2	+4	1	0	2	+2	1	+4	2	+6
<b>iPads</b>	1		2		1		1		2	
<b>Lenovos</b>	0		1		1		1		2	
<b>Macbooks</b>	1		0		1		1		1	
<b># of Carts</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>8</b>	<b>14</b>

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

Carts	Oak Grove		Myers Corners		Sheafe Road		Vassar Road		Kinry Road	
	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed
<b>Computer Lab</b>	No Lab		1		No Lab		1		1	
<b>Chromebooks</b>	2	+2	2	+5	2	+3	1	+2	1	0
<b>iPads</b>	1		2		2		1		0	
<b>Lenovos</b>	1		2		1		0		1	
<b>Macbooks</b>	1		1		1		0		1	
<b># of Carts</b>	<b>5</b>	<b>7</b>	<b>8</b>	<b>13</b>	<b>6</b>	<b>9</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>4</b>

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

What do new devices represent for our staff and students?

Greater access to devices in each building (per grade and/or wing)

- This will eliminate movement of carts, time loss, and scheduling conflicts

Increased access for students will result in improved digital literacy skills

- Improved typing skills
- Improved online research (fact checking) skills

Diversified projects/tasks within the classrooms.

- Varied learning stations
- Lessons adapted for differentiated instruction

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

This would add **840** devices across all of our elementary buildings including **90** additional devices that will be used to replace aging equipment.

Wappingers Jr. will also receive **60** devices.

Per the June 15, 2016 SSBA Committee Meeting, this plan will also include the purchase of devices for each elementary teacher (approximately **220** devices) for curriculum development and classroom implementation.

Approximate number of devices: **1,210** not to exceed **\$450,000**

# Smart Schools Implementation Plan #3

## Part 2: Improving Emergency Radio Communications

Currently, our emergency radios used by staff and administration cannot communicate beyond the immediate confines of each building.

In an emergency situation, our access to phones may be compromised. Having the ability to communicate via radio is a viable solution.

The district will be able to use existing hardware in addition the purchase and on-going licensing of radio equipment moving forward.

# Smart Schools Implementation Plan #3

## Part 2: Improving Emergency Radio Communications

### Equipment would include:

- **Repeaters with IP Connect** – allowing for total saturation of radio signals AND allow for 2 talk paths. IP connect will interconnect with phone system for PA announcements and even actual phone calls.
- **Antennas, wiring, software, etc.**
- **DMR Radios** – New radios with both analog and digital modes that will work with existing equipment but can add digital functionality that can expand their capability.
- **Site Licensing**
- **Repeater Rentals**

# Smart Schools Implementation Plan #3

## Part 2: Improving Emergency Radio Communications

Hardware/Service	Quantity needed	Cost per	Total
Repeaters + IP Connect	15 (1 per school)	\$4000	\$60,000.00
Antennas , wiring, labor, software	13	Contract prices	\$20,000.00
DMR radios	326	\$350	\$114,100.00
Site License for additional frequency			\$2,500.00
Repeater rental	At most 2 sites but maybe not depending on above.	\$300/month	\$3,600.00
<b>Total Cost</b>			<b>\$200,200.00</b>

# Smart Schools Implementation Plan #3

## Part 1: Improving Student Access to Devices

SSBA Funding Balance	
Wappingers CSD Initial Allocation	\$5,327,266
SSIP #1	\$1,450,000
SSIP #2	\$1,200,000
SSIP #3	\$650,200
Private & Parochial Allocation #1	\$63,120 (789 x \$80)
Private & Parochial Allocation #3	\$29,982 (789 x \$38)
Balance	\$1,933,964

# Smart Schools Implementation Plan #3

## Improving Student Access to Devices

### Private & Parochial Balance | Potential Full Allocation

SSBA P&P Funding Balance (Based on enrollment of 789)	
Wappingers CSD Initial Allocation	\$197,250.00
SSIP #1	\$63,120.00 (789 x \$80)
SSIP #2	\$0
SSIP #3	\$29,982.00 (789 x \$38)
Balance	\$104,148.00

# Questions & Answers

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Thank You