

Smart Schools Investment Plan - 2016-17 Version (Original) - RCSD1

SSIP Overview

Page Last Modified: 06/01/2017

1. Please enter the name of the person to contact regarding this submission.

Edward Omiccioli

1a. Please enter their phone number for follow up questions.

5852628712

1b. Please enter their e-mail address for follow up contact.

edward.omicciolijr@rcsdk12.org

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved Smart Schools Investment Plan.

First submission

3. All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner’s Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.

By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

- Parents
- Teachers
- Students
- Community members

4a. If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

- Yes
- No
- N/A

5. Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.

- The district developed and the school board approved a preliminary Smart Schools Investment Plan.
- The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
- The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
- The district prepared a final plan for school board approval and such plan has been approved by the school board.
- The final proposed plan that has been submitted has been posted on the district's website.

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SSIP Overview

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- 5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

RCSD IT PD Plan Final.pdf
 PUBLIC_SSSIP_presentation.pptx
 Stakeholder Feedback.docx

- 5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

<http://www.rcsdk12.org/domain/10991>

- 6. Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.

37,741

- 7. An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.

The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

- 8. Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.

Partner LEA/District	SED BEDS Code
NA	(No Response)

- 9. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

- 10. Your district's Smart Schools Bond Act Allocation is:

\$47,234,577

- 11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is \$0, you will not be required to complete that survey question.

	Sub-Allocations
School Connectivity	5,929,025
Connectivity Projects for Communities	0
Classroom Technology	18,491,399
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	2,491,884
Totals:	26,912,308

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School Connectivity

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1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:
 - sufficient infrastructure that meets the Federal Communications Commission’s 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
 - is a planned use of a portion of Smart Schools Bond Act funds, or
 - is under development through another funding source.

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

Our District currently meets this standard. Our buildings are connected with a 10G fiber ring with a 3G internet connection

- 1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	30,439	3,043,900	3,043.9	3050	3050	NA

3. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.

We plan to use the SSBA funds for both upgrading our broadband network and our wireless network.

Wireless network: Our wireless network provides Wi-Fi coverage district-wide, enabling all our mobile computing devices (i.e., laptops, Chromebooks, iPads, etc.) to be online anywhere in the district. As we expand the number of these devices as part of our 1-1 initiative, we need to increase density as well. More access points are required to support an increase in the number of simultaneous connections. Additionally, the wireless network will need to accommodate computer-based testing of large numbers of students simultaneously as these types of tests become required by the State Education Department.

Wired network: Because, the District’s wired network must accommodate the expansion of our wireless network, we will need additional wired switching equipment to provide additional ports. Additionally, we need to expand our connectivity to accommodate the additional classroom technology that we anticipate. Finally, much of our existing wired equipment is aging and is due for replacement/refresh.

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4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?")

Our primary top three technology investment priorities in our Technology Plan are Classroom Technology, Wi-Fi, and student 1-1 program. The expansions to our network outlined above are to accommodate those priorities. These three priorities are so entwined that it is impossible to any two effectively without the third.

Per our Technology Plan we identified that only 75% of our schools were covered by Wi-Fi, which is predominately in our elementary schools. Using the Smart School funds to cover the last 25% we provide greater access to our online system that otherwise have teachers compete for lab access with each other and required online testing. It would also enable teachers to incorporate the use of Chromebook and iPads to access apps such as Google Maps, national historical sites, NASA, and museum websites that otherwise would not be possible. Many students who struggle to engage with regular classroom work and lessons report and demonstrate a better ability to focus on lessons and to get work done when it is delivered digitally. By opening each of our classrooms with the devices we are planning to purchase as part of our Classroom Technology, we are more readily putting technology into the hands of our students commensurate with more affluent school districts. With these devices we can enhance differentiated instruction that engaging students in different modalities, while varying the rate of instruction, complexity levels, and scaffold learning opportunities that meet the learning styles and diverse backgrounds of our students. The expanded Wi-Fi enables the implementation of 1:1 Chromebook devices and will enable students to increase educational time and focus on learning both inside and outside of the classroom. Coupled with our Community Connectivity effort expanding access outside the classroom can also mean outside the school building and district.

5. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

Our network administrators monitor bandwidth usage and have anticipated the additional demands on our network. Because of that, this network upgrade will provide 1Gbps or better across all segments of our network.

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects. Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
26-16-00-01-7-999-022

7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

No

8. Include the name and license number of the architect or engineer of record.

Name	License Number
Eric Hansen	17603

9. If you are submitting an allocation for School Connectivity complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

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School Connectivity

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	Sub-Allocation
Network/Access Costs	5,042,165
Outside Plant Costs	0
School Internal Connections and Components	886,860
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	5,929,025

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through smartschools@nysed.gov.
NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Cisco Catalyst 3850 4 x 10GE Network Module	275	1,800	495,000
Network/Access Costs	Cisco Catalyst 3850 2 x 40GE Network Module	36	3,600	129,600
Network/Access Costs	Cisco Catalyst 3850 24 Port 10G Fiber Switch IP Services	36	11,250	405,000
Network/Access Costs	715W AC Config 1 Secondary Power Supply	36	563	20,268
Network/Access Costs	1100W AC Config 1 Secondary Power Supply	135	855	115,425
Connections/Components	Cisco 3M Stacking Cable	60	135	8,100
Connections/Components	Cisco 1M Stacking Cable	383	90	34,470
Network/Access Costs	Catalyst 3750X and 3850 Stack Power Cable 150 CM Spare	443	88	38,984
Network/Access Costs	10GBASE-LRM SFP Module	320	448	143,360
Network/Access Costs	10GBASE-SR SFP Module	36	448	16,128
Connections/Components	Active Twinax cable assembly, 10m	4	185	740
Connections/Components	10GBASE-CU SFP+ Cable 2 Meter	110	45	4,950

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Cisco Catalyst 3850 24 Port PoE LAN Base	7	2,700	18,900
Network/Access Costs	Cisco Catalyst 3850 48 Port UPOE LAN Base	225	5,130	1,154,250
Network/Access Costs	Cisco Catalyst 3850 48 Port (12 mGig+36 Gig) UPoE IP Base	97	6,885	667,845
Network/Access Costs	Cisco Catalyst 3850 24 mGig Port UPoE IP Base	135	6,255	844,425
Network/Access Costs	802.11ac Ctrlr 10APs 4x4:3SS w/CleanAir; Int; A Reg Domain	110	7,425	816,750
Connections/Components	Fiber Between Closets	7	20,000	140,000
Connections/Components	Drops Access Points	1,100	400	440,000
Connections/Components	Rack installation	2	10,000	20,000
Connections/Components	SC to LC patch cables	548	100	54,800
Connections/Components	LC to LC patch cables	22	100	2,200
Connections/Components	Cable management	1	10,000	10,000
Network/Access Costs	UPS	54	1,200	64,800
Network/Access Costs	1 AP Adder License for Cisco 8500 Wireless Controller	200	79	15,800
Network/Access Costs	Cisco Prime Infrastructure 2.x Lifecycle - 100 Device Lic-NNL	2	4,048	8,096
Network/Access Costs	Nexus 9K ACI Spine, 36p 40G QSFP+	2	13,927	27,854
Network/Access Costs	APIC Cluster - Medium Configurations (Up to 1000 Edge Ports)	1	17,794	17,794
Network/Access Costs	770W power supply for USC C-Series	3	315	945
Network/Access Costs	Cisco VIC 1225 Dual Port 10Gb SFP+ CNA	3	717	2,151
Network/Access Costs	2 Nexus 93180YC-EX with 8 QSFP-40G-SR-BD	1	20,250	20,250
Network/Access Costs	N9300 LAN and ACI Software License Bundle PAK	2	5,850	11,700
Network/Access Costs	10GBASE-CU SFP+ Cable 3 Meter	12	45	540
Network/Access Costs	Nexus 9500 Network Services (includes ITD)	2	3,150	6,300
Connections/Components	Smart board & TV Installation	1,430	120	171,600

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Community Connectivity (Broadband and Wireless)

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1. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.

(No Response)

2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.

(No Response)

3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).

I certify that we will comply with all the necessary local building codes and regulations.

4. Please describe the physical location of the proposed investment.

(No Response)

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)
(No Response)	(No Response)

6. If you are submitting an allocation for Community Connectivity, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	0

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov. Add rows under each sub-category for additional items, as needed.

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Community Connectivity (Broadband and Wireless)

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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Classroom Learning Technology

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1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission’s 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.

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1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

Our District currently meets this standard. Our buildings are connected with a 10G fiber ring with a 3G internet connection

- 1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	30,439	3,043,900	3043.9	3050	3050	NA

3. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

Our network administrators monitor bandwidth usage and have anticipated the additional demands on our network. Because of that, this network upgrade will provide 1Gps or better across all segments of our network.

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner’s Regulations.

Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

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Classroom Learning Technology

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5. Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.

Our plan includes the purchases of primarily iPads and Chromebook. We have a robust infrastructure to support both platforms. iPads have been supported in our pre-kindergarten through second grade classrooms for the past 5 years. We are in our third year supporting Chromebook throughout the district. There are currently over 4000 legacy iPads and over 9000 Chromebook in our fleet.

For student devices these include:

6 iPads 6 iPad Cases 2 Chromebox Units 6 Pairs of Headphones 1 Powerstrip	Each Prek-2nd Grade Classroom
6 iPads 6 iPad Cases 4 Chromebox Units 10 Pairs of Headphones 1 Powerstrip	Each K-1st Grade Classroom
6 iPads 6 iPad Cases 4 Chromebox Units 10 Pairs of Headphones 1 Powerstrip 4 Mice	Each 2nd Grade Classroom
1 Chromebook Cart (25 Chromebooks) Headphones	Each 3rd-6th Grade Classroom
1 Chromebook Carts Extra chargers	Each 7th -12th Grade Student

We plan to continue putting desktops in labs for the instances when instruction requires access to software/functions that are not possible with a Chromebook/Chromebox.

Several of our elementary schools need new or replacement whiteboards, while many existing Smart boards have projectors that need to be replaced. Finally, we believe that we no longer need interactive whiteboards for high school as students are not physically interacting with the boards as they do in the elementary grades. Therefore as we replace interactive whiteboards we will be doing so with simple flat panel displays.

Laptops are for teachers and will be replaced at the appropriate time in their lifecycle.

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6. **Describe how the proposed technology purchases will:**
- > **enhance differentiated instruction;**
 - > **expand student learning inside and outside the classroom;**
 - > **benefit students with disabilities and English language learners; and**
 - > **contribute to the reduction of other learning gaps that have been identified within the district.**

The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"

Pre-K – 2nd grade classrooms will have expanded technology stations of both iPads and chromebooks. Apps will be selected and deployed to classroom iPads by grade level. Additionally, instructional software that allows for differentiated learning will be incorporated in the curriculum. Students in grades 3-8 will have 1 to 1 Chromebooks in their core content classrooms. With this technology, students will have the opportunity to participate in differentiated instruction through the use of Google Drive, Project Based Learning, web based instructional software, and distance learning. The use of Google Groups allows teachers to group students who require focused instruction.

Students who are in grades 9-12 will have a Chromebook assigned to them for classroom use and take home. While at home, students can access online content, prepare for in-class instruction through the Flipped Classroom model, and have access to web based content.

English Language Learners will have access to apps and instructional software that will build their language proficiency. Students with disabilities will have access to all of the same technology that general education students are provided, but in addition they will be provided with specific hardware/software to meet their specific needs. For example, we have had success with a segment of our autistic population through the use of tablet devices and apps that directly engage the student based on need.

The technology plan that we have developed will provide us with the opportunity to address the learning gap between our diverse and economically challenged student population. By providing all students with equitable access to technology, through the intensive teacher preparation that focuses on the expansion of technology integration in the learning environment and by striving to provide all students with home broadband access, we are offering our students opportunities to become 21st century learners.

7. **Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

The technology purchases will enhance ongoing communication with parents and community stakeholders (i.e., community after school programs) by providing community and individual home access to rich, engaging, differentiated curriculum resources. Students will be able to access and extend their learning environments at community based organizations (i.e., Boys and Girls Clubs, day care settings, etc.) and at home. The technology will enable parents and community stakeholders to support and collaborate with students and educators. The use of technology will enhance the engagement and connections between outside agencies and schools promoting real world, authentic learning opportunities for students. All eligible stakeholders can monitor the student's progress in real time and communicate directly with all parties.

Finally, use of the technology will help to support parents' capacity to assist their students, succeeding with coursework and homework.

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- 8. Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.

Note: This response should be aligned and expanded upon in accordance with your district’s response to Question 1 of F. Professional Development of your Instructional Technology Plan: “Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary.”

The goal of Instructional Technology professional development is to provide teachers and school communities a variety of robust and differentiated professional development opportunities with the focus on enhancing student learning and engagement. The comprehensive menu includes a variety of models that facilitate growth in teachers’ knowledge, skill and confidence based on the Technological Pedagogical Content Knowledge (TPACK) framework. In addition, growth is facilitated in teachers’ pedagogical approach by infusing the levels of S.A.M.R.* technology integration into daily practice. This multi-prong approach will ensure teachers and students routinely and seamlessly integrate technology resources, devices and technology-based practices to enhance student learning.

The professional development plan, which has been included as an attachment to this survey, outlines a suite of online and face to face courses, ongoing support through coaching, and Networked Learning Communities (NLC) to develop 21st-century teachers who guide and shape student learning. It establishes 4 goals that lay out a series of courses for teachers and administrators. It also establishes a team of online PD content development specialists to continue to develop courses that integrate technology and core content area curricula.

The courses will be constructed around a three-tiered approach, building on participant’s acquired knowledge and skills at each level. The course terminology initially used here will be *Google Ready* (Level 1), *Google Set* (Level 2), and *Google Go* (Level 3).

Level 1 (*Google Ready*) is currently under development and provides an introduction to Google Apps for Education. Using an existing lesson or unit of study, participants will learn how to create a Google Doc, Slides Presentation, and Form with the intent of creating authentic, purposeful learning. Throughout the PD participants reflect on their developing vision of a personal digital transformation. At the end of the PD, participants post their coursework in their own Google Classroom. Once teachers successfully complete this three part series of courses, they will earn a *Google Ready* designation and be eligible to receive new Smart Schools funded devices for their classrooms.

Level 2 (*Google Set*) will consist of three online courses, content and grade level specific, developed in collaboration with Curriculum and Instruction Department content area specialists

Level 3 Courses (*Google Go*) coursework will shift to a 10 week *collegial circle* format where participating teachers, grouped by their respective grade levels and content areas, will share technology infused lessons with other course participants. The primary focus is to facilitate and promote increased teacher collaboration.

- 9. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.

By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

- 9a. Please enter the name of the SUNY or CUNY Institution that you contacted.

SUNY College at Brockport

- 9b. Enter the primary Institution phone number.

5853952510

- 9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.

Thomas Hernandez, EdD, LMHC

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- 10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

Are there nonpublic schools within your school district?

- Yes
- No

- 10a. Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district’s nonpublic per-student loan amount calculated below, within the framework of the guidance. Please enter the date by which nonpublic schools must request classroom technology items. Also, specify in your response the devices that the nonpublic schools have requested, as well as in the in the Budget and the Expenditure Table at the end of the page.

Nonpublic schools will submit requests each year for eligible SSBA technology items. RCSD will purchase and provide the requested items through our system, not to exceed \$250 per pupil. RCSD will retain title and provide maintenance for the items provided. Once delivered, equipment must be labeled “Property of Rochester City School District” and placed in a secured location when not in use. District personnel will make regular site visits and verify all items are properly labeled and accounted for.

During our meeting with our nonpublic schools on March 3, 2016, we informed them we would be following a similar procedure for SSBA. We informed them the amount of equipment they could request would be based on \$250 multiplied by their schools base year enrollment. Due to the amount of time expected to submit our SSIP we did not establish a date for specific requests this first year, but instead would establish a reasonable one once our SSIP was approved. Afterward, annual requests must be submitted by June 1st of each year.

School Cobblestone has closed and therefore its student count is not included in this submission.

In addition, Ora Academy moved into the district prior to 2014-15; however, it was incorrectly reported for that year.

- 10b. A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.

By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

11. Nonpublic Classroom Technology Loan Calculator

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of \$250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

See:

http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	18,491,399	28,316	1,369	29,685	250	334,250

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Classroom Learning Technology

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12. To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.

By checking this box, you certify that the district has a sustainability plan as described above.

13. Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.

By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

14. If you are submitting an allocation for Classroom Learning Technology complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Interactive Whiteboards	0
Computer Servers	0
Desktop Computers	3,748,128
Laptop Computers	8,365,375
Tablet Computers	1,148,292
Other Costs	5,229,604
Totals:	18,491,399

15. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	HD LED TV 75	750	1,999	1,499,250
Other Costs	TV Mounting Bracket	750	110	82,500
Other Costs	LED Sit Stand Mount	750	237	177,750
Desktop Computers	Macs	145	1,998	289,710

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Desktop Computers	Chromebox	1,590	200	318,000
Laptop Computers	Laptops	3,905	635	2,479,675
Laptop Computers	Chromebooks	17,975	300	5,392,500
Tablet Computers	iPads	3,006	382	1,148,292
Other Costs	Chromebook Carts	603	1,620	976,860
Other Costs	ipad cases	3,006	40	120,240
Other Costs	Headphones	13,352	10	133,520
Other Costs	iPad Power Strip	2,766	15	41,490
Other Costs	Mice	500	10	5,000
Other Costs	Chromebook Carts SpEd	175	1,000	175,000
Other Costs	Chromebook Cases	3,400	30	102,000
Other Costs	Chromebook Powercords	3,400	50	170,000
Other Costs	Monitors	1,364	130	177,320
Desktop Computers	Desktops	3,398	741	2,517,918
Desktop Computers	Desktops w/ touch screens	750	830	622,500
Other Costs	Keyboard Sit Stand Mount	750	277	207,750
Other Costs	Face Plate Interface	1,500	125	187,500
Other Costs	4' Ultra Slim HDMI Cable	1,500	11	16,500
Other Costs	10' Ultra Slim HDMI Cable	750	20	15,000
Other Costs	4' USB Cables	1,500	2	3,000
Other Costs	6ft 3.5mm Stereo	1,500	3	4,500
Other Costs	External Speakers	750	145	108,750
Other Costs	Projector	680	730	496,400
Other Costs	Projector Mounting Plate	680	39	26,384
Other Costs	15' HDMI Ultra Slim Cable	1,360	20	27,200
Other Costs	6' HDMI Ultra Slim Cable	680	11	7,480
Other Costs	10' USB Cables	680	3	2,040
Other Costs	SMART SC12 Controller	680	194	131,920
Other Costs	NonPublic Undecided	1	334,250	334,250
Laptop Computers	Laptops w/docking Station & monitor	400	1,233	493,200

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Pre-Kindergarten Classrooms

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1. Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.

(No Response)

2. Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:

- Specific descriptions of what the district intends to do to each space;
- An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
- The number of classrooms involved;
- The approximate construction costs per classroom; and
- Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

(No Response)

3. Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.

(No Response)

4. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

5. If you have made an allocation for Pre-Kindergarten Classrooms, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	0

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov. Add rows under each sub-category for additional items, as needed.

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Pre-Kindergarten Classrooms

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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Replace Transportable Classrooms

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1. Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.

If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

(No Response)

4. If you have made an allocation for Replace Transportable Classrooms, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	0

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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High-Tech Security Features

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1. Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.

The District needs to enhance its video surveillance by replacing 729 aging analog cameras with high resolution digital ones and had another 200 new cameras. They will be connected into our network using 48-port network switches. We will also need to expand the video storage that to support for high resolution video and increased retention time.

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
26-16-00-01-7-999-021

3. Was your project deemed eligible for streamlined Review?

- Yes
 No

4. Include the name and license number of the architect or engineer of record.

Name	License Number
Eric Hansen	17603

5. If you have made an allocation for High-Tech Security Features, complete this table.

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	2,213,184
Entry Control System	0
Approved Door Hardening Project	0
Other Costs	278,700
Totals:	2,491,884

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Add rows under each sub-category for additional items, as needed.

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High-Tech Security Features

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	Replacement for Existing Cameras	929	750	696,750
Electronic Security System	48-Port Network Switches	33	6,868	226,644
Electronic Security System	Video Processing Servers	5	24,000	120,000
Electronic Security System	Storage Array	1	283,260	283,260
Electronic Security System	Recording License	929	250	232,250
Electronic Security System	Installation	1	654,280	654,280
Other Costs	Professional services/project management/consultant services	1	278,700	278,700