

Smart Schools Investment Plan - RCSD 2015-16

SSIP Overview

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Group 1

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

David Howell

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

518 396-3490

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

dhowell@rcsd.k12.ny.us

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of a 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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- 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.

Rensselaer CSD Final Smart Schools Investment Plan.pdf

- 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.rcsd.k12.ny.us/pages/RenssCSD/About_Us/Forms_Document_Library/Board_Policies/Smart_Schools_Investment_Plan_

- 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.

1,300

- 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
(No Response)	(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:

\$982,876

- 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	358,408
Connectivity Projects for Communities	0
Classroom Technology	270,993
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	261,602
Totals:	891,003

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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.

The District has already improved its infrastructure to allow connection at speeds that will meet the SSBA standard by replacing the District Firewall and Web Filter with models that support throughput much greater than the anticipated requirement. The District has increased it's purchased bandwidth to meet this standard. The bandwidth was increased to 120Mbps on July 1, 2016.

- 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	1,108	110,800	110.8	120	120	Currently Met

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

Rensselaer CSD will use Smart Schools Bond Act funds to improve network infrastructure. Current network switches that are near or at end-of-life will be replaced. All new switches will be Gigabit speed to devices such as Desktop Computers and Lightweight Wireless Access Points and connect via fiber back to the Core Network Switch at 10 Gigabit speed. The current Cisco 4500X Core Switch will be stacked with another Cisco 4500X switch to provide the additional 10Gbe Fiber Optic Ports and additional throughput required. The District already has an additional 25 Wireless Access Points on hand. Once the additional data drops have been installed, they will be installed in areas where connectivity is weak or device density is higher than currently installed equipment can reasonably handle. Additional servers, storage and disk-based backup will be installed to replace aging equipment and provide increased redundancy and disaster recovery capabilities.

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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?")

The District Technology plan identified the goals of providing equitable distribution and access to technology, improving communications, implementation of NYSED Learning Standards and improving student and staff competency in computer use. The proposed project will provide an improved infrastructure, higher student to device ratio, improved classroom technology as well as improving the safety and security of all staff and students. Increased access to devices that are connected to the District's robust wireless network, along with software and applications that enhance student learning and provide teachers measurable feedback on student performance, will expand the availability of learning resources to Staff and Students.

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.

The District implemented a Wireless Initiative in the Spring of 2015, installing redundant Wireless Lan Controllers, 16 Power-Over-Ethernet (POE) network switches with 10Gb uplink to the core switch and 100 Lightweight Wireless Access Points throughout the building and grounds.

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
49-12-00-01-0-013-005

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
John Onderdonk	26799

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	261,726
Outside Plant Costs	(No Response)
School Internal Connections and Components	86,682
Professional Services	10,000
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	358,408

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.**

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School Connectivity

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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 4500X Core Network Switch	1	26,080	26,080
Network/Access Costs	Cisco 2960X Edge Network Switches	17	5,893	100,181
Connections/Components	Fiber Patch Cords	51	22	1,122
Connections/Components	Cat-6 Patch Cords	300	2	600
Connections/Components	Cat-6e Data drops, Cable and keystone jacks	82	118	9,676
Connections/Components	Installation of data drops	82	217	17,794
Connections/Components	Belden 24 Port Patch Panels	2	212	424
Connections/Components	Installation of Patch Panels	2	143	286
Professional Services	Architect Fees	1	10,000	10,000
Connections/Components	Routing & Switching Installation Services	1	16,220	16,220
Network/Access Costs	Cisco NEXUS 3524X switches for Compute and Storage segregation	2	6,659	13,318
Network/Access Costs	UCS Server Installation and configuration	1	25,844	25,844
Connections/Components	Cisco VIC 1225 Dual Port 10Gb SFP upgrade for existing Servers	2	845	1,690
Network/Access Costs	Data Center Uninterruptible Power Supplies with add on Battery pack and Rack Mount PDU	2	6,743	13,486
Connections/Components	Power, Network and SFP+ cables	1	1,472	1,472
Network/Access Costs	NetApp 2554A Unified Storage Array	1	54,155	54,155
Network/Access Costs	ExaGrid Backup Appliance	1	19,585	19,585
Network/Access Costs	Cisco UCS C220 VMWare Host Servers	1	9,077	9,077
Connections/Components	Data Center Server, Storage and Backup Hardware Installation	1	37,398	37,398

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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)

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)

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Classroom Learning Technology

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Questions

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.

The District connection to the internet is via 1Gbps fiber to the Northeast Regional Information Center (NERIC) with shared internet bandwidth of 120 Mbps. The District increased it's purchased internet bandwidth to 120Mbps on July 1, 2016 and will increase as needed thereafter.

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	1,108	110,800	110.8	120	120	Currently Met

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.

The District installed 100 Lightweight Access Points (LWAPs) with redundant Wireless Controllers in the spring of 2015. All switches that connect to LWAPs have 10Gbps fiber uplinks to the core switch.

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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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.**

The District intends to refresh existing Projectors and Document Cameras and to install Interactive LCD Panels in 10 classrooms. Classroom LCD Projectors to be purchased will be compatible with existing mounts and cables and have a throw distance that negates the need to move existing mounts. Apple TVs will be added to classrooms to allow wireless streaming from iPads to the Projector. Chromebooks and iPads capable of wireless 802.11ac or higher will be purchased as well as secure charging cabinets/carts. The District will purchase a 3D MakerBot Printer for use in Technology/Engineering classes.

An evaluation of required electrical power has been performed. Adequate electrical supply to support the increase in new devices is available.

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?")

The proposed technology purchases will enhance differentiated instruction. iPads can be used at one or more of the learning centers during guided reading and/or math instruction. Learning centers are crucial for success in math and literacy instruction because they allow teachers to work with small groups of students at individual instructional levels, which is an effective form of differentiation. Students are able to work on curriculum rich tasks at the other centers while specific, differentiated instruction takes place in a small group with the teacher. Classroom assessments, teacher observation, and computerized benchmarks provide important data for each child. The data can be used by teachers to select apps that can be used by each child to support their academic development. Many of the apps are set up to track the progress of each student. The progress is then accessible for the teachers, parents, and students which provides them with another level of assessment and understanding of academic progress. In addition, many of the programs are highly engaging for the students because they are visual, hands-on, and at their instructional levels.

The proposed technology purchases can help expand student learning inside and outside of the classroom. Chromebooks can also be used to access our online Reading and Math Programs. This allows students to have access to all of the math and reading materials electronically at any time. Students would have access to textbook pages, video clips, and other lesson materials to help reinforce learning inside and outside of school. Additionally, the Chromebooks would provide students with the resources and means to conduct research, prepare presentations, complete assignments, communicate with peers as well as teachers and take interactive online quizzes and tests. Chromebooks would be instrumental in supporting a shift to project based learning.

The proposed technology purchases would be beneficial to supporting instruction and reducing learning gaps for all students, including special education students and English Language Learners for the aforementioned reasons. The District currently uses mobile devices and their embedded accessibility tools with students with a variety of impairments. More devices would increase the access to these tools.

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 District currently uses many forms of electronic communications with parents and other stakeholders. These include email, social media and a Rapid Communication System capable of sending simultaneous phone calls, email and SMS text messages to all parents and staff or any subset of those persons. Although as a District we already use many various communications methods, the proposed technology purchases will support these current methods by providing access from even more locations and devices.

The proposed technology purchase will enhance the District's Distance Learning and on-site CTE programs by providing increased access to devices and the internet to students, both in the Distance Learning and CTE classrooms and out.

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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.”

As many of the proposed technology purchases supplement existing equipment, Professional Development in the use of these devices will continue as it is currently established. The District sends out needs assessments throughout the year to tailor PD sessions to the needs of the faculty. Delivery methods include formal PD sessions led by subject matter experts, one on one mentoring with peers or IT Staff and online context based help built into application suites. Topics include Google Apps for Education including Google Classroom, Synergize Google Apps Training, available Library Databases, Classroom Technology operation including Interactive Whiteboard, LCD Projector and Document Camera use, iPad and Apple TV operation. Sessions focus not only on the operation of the physical devices and applications, but on how to use the applications to produce data-driven differentiated instruction and results. Parental information sessions provide them with the tools and knowledge necessary to monitor student assignments and grades, allowing parents to be more involved and assist in student motivation.

- 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 Oneonta

- 9b. Enter the primary Institution phone number.

(607) 436-2630

- 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.

Elaine Lawrence, Ph.D., Associate Professor and Chair, Department of Secondary Education and Educational Technology

- 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

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Classroom Learning Technology

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- 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.

The District has provided the total non-public loan amount to the single non-public school within our District. They are required to provide their list of requested equipment annually by June 1st. They have done this and their requests were incorporated into this plan. Once the SSIP is approved, the devices requested will be purchased in accordance with District policy, placed in the District Asset tracking system and turned over for use. The non-public school has requested the following equipment:
 47 Macbook Pro 13" Laptops
 as well as associated adapters and peripheral cabling.

- 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	270,993	1,027	285	1,312	207	58,995

- 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.

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Classroom Learning Technology

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	Sub-Allocation
Interactive Whiteboards	33,600
Computer Servers	0
Desktop Computers	0
Laptop Computers	97,363
Tablet Computers	38,500
Other Costs	101,530
Totals:	270,993

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.

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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
Other Costs	Hitachi CP-AX2505 Ultra Short Throw Projector	6	1,215	7,290
Other Costs	Hitachi CP-X3041WN Ceiling Mount Projector	50	829	41,450
Tablet Computers	iPad Mini 4 128Gb	70	379	26,530
Other Costs	LocknCharge iQ 10 Charging Station with Lightning Cables for iPad	7	799	5,593
Tablet Computers	Apple iPad WiFi 128Gb	30	399	11,970
Other Costs	Kensington BlackBelt 2nd Degree Rugged iPad Air 2 Case	30	44	1,320
Other Costs	Kensington BlackBelt 2nd Degree Rugged iPad Mini Case	70	45	3,150
Other Costs	Apple TV 32Gb (Gen 4)	25	149	3,725
Laptop Computers	Lenovo N22 Chromebook	60	201	12,060
Laptop Computers	HP Chromebook 14	95	280	26,600
Other Costs	AVerCharge C30i Chromebook Charging Cart	5	1,850	9,250
Other Costs	PowerGistics Locking 8 Space Charging Tower for 14	2	649	1,298
Other Costs	Lumens DC 125 Document Camera	57	349	19,893
Other Costs	MakerBot Replicator 3D Desktop Printer	1	3,734	3,734
Other Costs	Koss ED1TC Headphone (for use with iPad minis)	60	11	660
Other Costs	Chromebook Management Console licenses	155	25	3,875
Laptop Computers	(non-public school request) 13-inch MacBook Pro: 2.3GHz dual-core i5, 128GB - Silver	47	1,249	58,703
Interactive Whiteboards	InFocus JTouch INF6502WBAG 65	12	2,800	33,600
Other Costs	(non-public school request) Apple 85W MagSafe 2 Power Adapter (for MacBook Pro with Retina display)	3	79	237
Other Costs	(non-public school request) Incase Hardshell Case for MacBook Pro Retina 13	1	55	55

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Pre-Kindergarten Classrooms

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Group 1

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)

Smart Schools Investment Plan - RCSD 2015-16

Replace Transportable Classrooms

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Group 1

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)

Smart Schools Investment Plan - RCSD 2015-16

High-Tech Security Features

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Group 1

- 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 intends to enhance current high-tech security measures by adding additional cameras, adding additional electronic door locks and by replacing the aging PBX phone system with a Voice-Over IP (VOIP) Phone system. The VOIP phone system will be integrated with the Public Address System and Bells/Automated Announcements and with the Video intercoms at each security vestibule/visitor entry. PA Zoning will be implemented to allow selective paging areas. IP speakers will be added to extend PA coverage during emergencies to outdoor areas such as playgrounds and playing fields. Incoming calls to Main Office #s will be recorded by MediaSense call recording. All other calls can be recorded on demand. The Bus Garage currently utilizes 4G Mobile Broadband for internet and connection back to the District. The District intends to install Time Warner/Spectrum Broadband internet to the Bus Garage. This will allow us to add IP Cameras there, put the Bus Garage on the District VOIP Phone system as well as have an off-site location to replicate data backups for Disaster Recovery.

- 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
49-12-00-01-0-013-005

- 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
John Onderdonk	26799

- 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	234,735
Entry Control System	26,867
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	261,602

- 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	HD Network Outdoor WDR Dome Camera w/3-10.5mm lens - Axis Model P3225-LVE	8	798	6,384
Electronic Security System	Network Indoor WDR Dome Camera w/3-10.5mm lens - Axis Model P3225-LV	38	657	24,966
Electronic Security System	HD Network Outdoor WDR/IR Bullet Camera w/2.8-9.8mm lens - Axis Model P1427-LE	2	751	1,502
Electronic Security System	HD Network Outdoor Flexible Camera w/1.3mm lens & 39' cord - Axis Model F1035-E	2	253	506
Electronic Security System	HD Network Indoor Flexible Camera w/3-6mm lens & 39' cord - Axis Model F1015	2	282	564
Electronic Security System	Network Camera Module - 4 Channel Inputs - Axis Model F44	2	516	1,032
Electronic Security System	Exterior Wall Mount Bracket - Axis T91B61	8	93	744
Electronic Security System	Single Camera License - S2-NetVR-1C	50	170	8,500
Electronic Security System	Installation, programming and setup labor for cameras	1	15,850	15,850
Entry Control System	S2 EP1501 Network Node	6	735	4,410
Entry Control System	Bosch Rex Motion - DS160i	6	65	390
Entry Control System	Door Contacts - GRI 194-12	8	10	80
Entry Control System	Proximity Reader - 5365-EGP00	6	122	732
Entry Control System	Electric Locking Hardware - HES 8300C-12/24-630	4	362	1,448
Entry Control System	Electric Latch Retraction Panic Hardware Upgrade - Right Leaf Only	2	1,365	2,730
Entry Control System	Power Supply - Altronix AL300ULPD4	2	138	276
Entry Control System	Installation labor	1	12,413	12,413
Electronic Security System	Cisco Unified Communication Servers (VOIP)	2	5,439	10,878
Electronic Security System	Cisco SRST Voice Gateway (VOIP)	1	5,285	5,285
Electronic Security System	Cisco Call Manager (VOIP)	1	33,754	33,754
Electronic Security System	MediaSense Call Recording (VOIP)	1	4,270	4,270

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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	Singlewire Informacast (VOIP to PA)	1	7,620	7,620
Electronic Security System	Cisco 7925G IP Phones (VOIP)	10	415	4,150
Electronic Security System	Cisco 7841 IP Phone	185	187	34,595
Electronic Security System	Cisco 8865 IP Phone	16	405	6,480
Electronic Security System	UC 2 port Analog Phone Adapter	5	153	765
Electronic Security System	Spare IP Phones in lieu of Maintenance	1	2,682	2,682
Entry Control System	Helios IP Video Intercom	4	1,097	4,388
Electronic Security System	Singlewire AND PA Zone Controller	1	600	600
Electronic Security System	Valcom Outdoor IP Speakers	2	677	1,354
Electronic Security System	Installation and Configuration costs for VOIP Phone and Associated Systems	1	43,654	43,654
Electronic Security System	Installation Costs to run Time Warner Internet Connection connection to Bus Garage	1	18,600	18,600

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Report

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PPU Report

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