

Smart Schools Investment Plan - 2016-17 Version (Original) - Cobleskill-Richmondville CSD First Submission

SSIP Overview

Page Last Modified: 02/15/2019

Institution ID

80000038232

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

David Sander

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

518-234-4032

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

sanderd@crcsd.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

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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.

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.**

Preliminary Smart Schools.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.crcs.k12.ny.us/district-services/>

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.**

2,150

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:**

\$1,789,330

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	879,861
Connectivity Projects for Communities	

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	Sub-Allocations
	0
Classroom Technology	162,500
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	308,500
Totals:	1,350,861

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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.

In many areas we already meet the standard but due to failing infrastructure and dead zones several areas don't always meet the standard. To improve coverage to dead zones we will be adding in wireless access points as well as replacing the current access points. We will also upgrade the fiber to the switches and the CAT5 cable will be upgraded to CAT6A for the access points. The switches will also need to be replaced due to their age and lack of reliability.

- 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	1,750	175,000	175	1000	10000	already 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.

We will be upgrading our fiber backbone from switch to switch. We will also be upgrading the cabling to CAT6A to all wireless access points. The upgrades will provide at least 1GB of speed to users. The district will also be replacing all switches and wireless access points due to the age and reliability of the current infrastructure. The current wireless infrastructure has many dead zones and cannot handle many devices. The switch infrastructure is no longer supported and fails often due to age.

- Replace and add wireless access points
- Replace switches
- Upgrade Fiber backbone
- Upgrade CAT cable to access points

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School Connectivity

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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 increased and more reliable connectivity will enable students and teachers to integrate technology into the learning process. Our new wireless system will allow for mobile devices like chromebooks and laptops which isn't possible with our existing infrastructure. The upgraded network would allow for a 1:1 environment that could enhance student learning. With more reliable access to technology teachers will be more inclined to integrate it into their everyday lessons. The increase of technology can create more collaborative and student centered learning environments.

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.

We will replace all wireless access points to meet the projected demands of our users. The number of access points will also increase to ensure that all learning spaces have access to internet. The cabling that goes to the access points will also be upgraded.

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
54-11-02-06-7-999-BA1
54-11-02-06-7-999-001

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?

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Gregory M Klokiw	25863

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	647,843
Outside Plant Costs	0
School Internal Connections and Components	232,018
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	879,861

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	Meraki MS225FP-48 port POE Switch	80	3,220	257,600
Network/Access Costs	Meraki MS225FP- 10 Year License	80	902	72,160
Network/Access Costs	Meraki MS350-48 Port POE Switch	8	4,822	38,576
Network/Access Costs	Meraki 10G Base LR Single Mode	100	625	62,575
Network/Access Costs	Meraki MR52 Wireless Access Points	55	580	31,900
Network/Access Costs	APC Smart-UPS1440VA Rack Mount 120 V AC-7 Minute	25	730	18,250
Network/Access Costs	Meraki MS350-48FP 10 Year license need for switch to operate	8	1,417	11,336
Network/Access Costs	Meraki MS425-16 L3 CLD MGD 10G SFP Switch	8	5,802	46,416
Network/Access Costs	Meraki MS425-48FP 10 year license for switch to function	8	2,047	16,376
Network/Access Costs	Meraki MR 10 Year license Fee for MR52 and MR74 access point to function	57	372	21,204
Connections/Components	Appliance and network configuration	1	119,810	119,810
Connections/Components	CAT6 Cabling to Access points	1	37,000	37,000

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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
Connections/Components	Fiber Backbone	1	43,142	43,142
Network/Access Costs	Cisco C220 M4 1U Rack Server-2x Intel Xeon E5-2680 v4 Tetradeca-core (14 core)128 GB standard/1.5 TB DDR4 SDRAM	2	8,375	16,750
Network/Access Costs	Cisco 5 year support/warranty	2	1,570	3,140
Connections/Components	Cisco VIC 1225 Dual Port 10GB SFP+CNA Optical Fiber	2	700	1,400
Connections/Components	Cisco 32 GB SD Card for UCS srv	2	70	140
Network/Access Costs	Nimble Storage CS1000H 2x10GBASET Dual 10GBE H 10GBE Optical	1	35,700	35,700
Network/Access Costs	Nimble 5 year support/warranty	1	11,780	11,780
Network/Access Costs	VMware vSphere v.6.0 Essestials Plus Kit-License 3 Host	1	2,350	2,350
Network/Access Costs	VMware Support and subscription Basic-1 Year-Service-12x5x4 Business hour-Technical-Electronic service	1	570	570
Connections/Components	Appliance Configuration	1	30,526	30,526
Network/Access Costs	Meraki MR74 Access Point	2	580	1,160

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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. 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.

In many areas we already meet the standard but due to failing infrastructure and dead zones several areas don't always meet the standard. To improve coverage to dead zones we will be adding in wireless access points as well as replacing the current access points. We will also upgrade the fiber to the switches and the CAT5 cable will be upgraded to CAT6A for the access points. The switches will also need to be replaced due to their age and lack of reliability.

- 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	1,750	175,000	175	1000	10000	already 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.

We performed an audit of the current system to see where we lacked coverage. The current wireless network is unreliable due to age and lack of coverage. The new plan calls for an additional 55 access points to increase our wireless coverage and the replacement of the 98 existing access points. The current wireless cannot handle several devices on one AP. The plan also calls for new CAT6 cable to be run to all 153 access points.

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.**

With the advancement in technology C-RCS finds that this would be a good time to update presentation tools in the classroom. Flat panel displays are becoming the new standard in classroom technology and using the SSBA money is the perfect opportunity to modernize classrooms.

The SMART flat panel displays is a device that will allow for students to receive the live notes right on their device. It also lasts longer and is easier to install over the projector and smartboard model.

Currently the district uses smart boards with a projector so the new panels should phase in nicely. The electric is already there when replacing existing Smartboards and would be run by our Operations and Maintenance staff if needed for new installations.

We became a "Google school" and have started implementing Chromebooks over the past 2 years. In order to expedite the process we hope to use SSBA funds to help offset the costs. The Dell Chromebooks that we are looking to purchase are the same that we have now.

- 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 SMART flat panel displays allow for real time collaboration as well as student participation from their seat or in front of the class. The new technology makes it easy for teachers to share their notes with students through Smarts Amp software. In the past teachers would have to print out copies so that students could fill them in while teaching, now students can have the live notes cast right to their screen using Amp. Students would also be able to work on projects at home and then cast their screen so that the teacher and students can see their ideas and work.

Using Smart Kapp IQ students with disabilities would be able to contribute to board work right from their seat. If students had a hard time writing or following along on the board the lessons can be streamed to their devices using the Smart Kapp IQ software. Smart Notebook would also be used for students to interact with the boards. Students can also use Splashtop from the Chrome store to write on anything that they teacher wants to share. Presenting material in more visual ways using Smart Notebook can help ELL learners.

The Chromebooks will help to expedite our 1:1 initiative. We are behind when it comes to Google implementation and the added devices from SSBA will help us get to where we need to be. We have been slowly rolling out carts to impact more students but we would like to increase that number over the next 2 years to allow us to be closer to 1:1.

The Chromebooks are an excellent tool to use for student with disabilities. In Google docs there is a built in speech to text or text to speech function that can help the students read or write classwork. It will also allow them to have their tests read to them on the Chromebook. Other areas where Chromebooks will be used are:

- Handwriting assistance
- Organizing classwork through Google Classroom and Drive
- Class notes can be emailed to students so that they have a copy

Google Translate can be used on the Chromebooks for ELL students.

- 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.**

With the increased technology classrooms would be able to connect with other classes from around the world through Google Hangouts or Skype. Students could also have guest speakers present from other locations using their flat panel display.

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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 professional development plan will continue to support the use of meaningful instructional tools with curricular goals as outlined in the district's strategic plan and Professional Growth plan. Professional Development will be provided through a number of ways. Some examples are: BOCES Model School Services, in-district professional development opportunities, SUNY Oneonta, and SUNY Cobleskill. Ongoing support and guidance by the Director of Information Technology will allow for consistent and specific opportunities throughout the district.

Some Examples Include:

Interactive Reading Notebooks: This course will be a collaborative class focusing on using technology to create lessons and materials for teachers to use in their reading lessons through the use of interactive notebooks. Participants will have multiple opportunities for discussions about classroom applications, best practice, and differentiated instruction to modify and create lessons/notebook materials to meet the CCSS for their grade/subject level.

Intro to Smartboards: Teachers will learn the basics of smartboards and best practices. Teachers will also be trained on how to create interactive lessons.

Screencasting and more:This course is intended to introduce teachers of all subjects and grade levels to innovative internet tools to use in any classroom. Screencast-O-Matic will be the main tool explored. It gives you the ability to create and share screen recordings to engage your auditory and visual learners. We will also be sharing tools such as Chirbit, Jing, Fakebook, Screencastifyand more!

We have started using Google now and are looking to add a tech integration specialist that would focus on technology integration in the classroom.

We have also started to create Google courses for teachers.

- 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.

607-436-2541

- 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.

Jan Bowers

- 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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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 only nonpublic school in our district in 2014-15 was Cornerstone Christian Academy, which has since moved out of the district.

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	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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	100,000
Computer Servers	0
Desktop Computers	0
Laptop Computers	

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	Sub-Allocation
	62,500
Tablet Computers	0
Other Costs	0
Totals:	162,500

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
Interactive Whiteboards	Interactive Display boards	20	5,000	100,000
Laptop Computers	Dell Touch Chromebooks	250	250	62,500

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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 current security camera system is failing. The cameras offer a low level resolution, have many blind spots and the video servers are failing. The current recommendation would be to double the number of cameras we have while upgrading to a system that is more functional and reliable. The system would also allow for law enforcement to have remote access to the system in case of an emergency.

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
54-11-02-06-7-999-BA1
54-11-02-06-7-999-001

3. Was your project deemed eligible for streamlined Review?

- Yes
 No

- 3a. Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Gregory M Klokiw	25863

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	308,500
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	308,500

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.

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High-Tech Security Features

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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
Electronic Security System	Indoor Camera	150.00	630	94,500
Electronic Security System	Outdoor Dome Camera	50.00	700	35,000
Electronic Security System	Outdoor Bullet Camera	25.00	750	18,750
Electronic Security System	Outdoor Multi-Sensor	20.00	2,000	40,000
Electronic Security System	Camera License	245.00	150	36,750
Electronic Security System	NVR	7.00	8,500	59,500
Electronic Security System	Installation	1.00	24,000	24,000