

## Smart Schools Investment Plan - HPCSD-SSB-1e

## SSIP Overview

Page Last Modified: 07/12/2017

**Group 1**

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

Richard Wert

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

845.229.4004 x1411

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

rwert@hpcsd.org

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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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.

hpcsd ssip aug 2016 vers 3.0.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.hpcsd.org/district.cfm?subpage=38517

- 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.

4,000

- 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:

\$2,616,932

- 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	330,000
Connectivity Projects for Communities	0
Classroom Technology	1,620,640
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
<b>Totals:</b>	<b>1,950,640</b>

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School Connectivity

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**Group 1**

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.

Current network speed is contracted at 500Mbps, with bursting to 1Gbps. Hyde Park CSD's current infrastructure exceeds requirement.

- 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	3,700	370,000	370	500	500	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.**

In the majority of classrooms there is wiring for 2 network ports.

- One port is used for the Wireless Access Point
- One port is used for the VOIP system and classroom computer

To enhance the integration of the proposed interactive screens, a third network port is necessary. This addition will also provide greater flexibility in room arrangement, and further adaptability of our network as technology continues to develop.

The project will require the following items and services

- professional installation by certified contractors
- network 48-port Cisco switches [2960x or comparable]
- network patch panels
- Category-6 cabling from network closets to individual classrooms
- Conduit, ethernet boxes and ports, as required by Code

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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?")

The connectivity project is directly linked to the Instructional Technology Plan, The Plan focuses on use of assessment data, differentiated instruction, authentic tasks, and development of critical thinking skills. Insuring wired access of the Interactive Flat Panel (IFP) in each classroom insures that high-quality content will be delivered with minimal disruption or lag. While the current network structure will allow use of all devices, the wiring of additional ports allows for greater flexibility in room arrangement, and enhanced use of the IFP's. The Interactive Flat Panel (IFP) allows for either use via direct computer connection, via wireless casting, and also via a stand-alone wired network connection. This third function is dependent upon additional network ports in each classroom. This in turn will insure teachers have greater flexibility in room arrangement, method of interaction with the screen, and greater confidence in seamless connections to the internet.

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.

Current District network wireless infrastructure was upgraded within the last two years. There is a Cisco-based wi-fi network in place using a 802.11x networking protocol which is managed via two Cisco wireless controllers. The wireless network is cabled with Cat 6 wiring, and is capable of 1Gbps transfer rates from the switches to the WAPs. 361 wireless access point are installed throughout the district, with 1 in each classroom, insuring 100% coverage throughout the district. The wireless network is capable of 500Mbps transfer speeds, and is available to support the user demands on the wireless network. The system is expandable should additional capacity be needed in the future. The wireless network was designed with current user demands and future expectations taken into account. A Cisco networking consultant assisted in the design of the system to insure future adaptability and the capability of meeting current needs.

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
13-08-01-06-7-999-03

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
(No Response)	(No Response)

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	135,000
Outside Plant Costs	(No Response)
School Internal Connections and Components	195,000
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>330,000</b>

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](mailto: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
Connections/Components	Professional installation services	5	15,000	75,000
Connections/Components	Category 6 cabling	5	22,500	112,500
Connections/Components	Network RJ-45 ports	300	15	4,500
Network/Access Costs	48-port network switches	30	4,500	135,000
Connections/Components	Network patch panels	30	100	3,000

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Community Connectivity (Broadband and Wireless)

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**Group 1**

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)
<b>Totals:</b>	<b>0</b>

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](mailto: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.

Through Dutchess County BOCES, the Hyde Park Central School District network infrastructure currently supports:

- 1 Gbps incoming connection to the district WAN
- 1 Gbps connection between buildings
- 100Mbps connections within building WANs
- Our current contracted incoming WAN speed is 500Mbps with bursting to 1Gbps

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	3,700	370,000	370	500	500	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.

Current District network wireless infrastructure was upgraded within the last two years. There is a Cisco-based wi-fi network in place using a 802.11x networking protocol which is managed via two Cisco wireless controllers. The wireless network is cabled with Cat 6 wiring, and is capable of 1Gbps transfer rates from the switches to the WAPs.

361 wireless access point are installed throughout the district, with 1 in each classroom, insuring 100% coverage throughout the district. The wireless network is capable of 500Mbps transfer speeds, and is available to support the user demands on the wireless network. The system is expandable should additional capacity be needed in the future.

The wireless network was designed with current user demands and future expectations taken into account. A Cisco networking consultant assisted in the design of the system to insure future adaptability and the capability of meeting current needs.



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Classroom Learning Technology

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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.**

**Proposed Purchases***Interactive flat-screen televisions*

HPCSD previously purchased 90 InFocus Jtouch screens with district funds and installed at one academic building. The units work seamlessly with both desktops and Chromebooks. Within this application is request for networking infrastructure, such that these units can connect directly to the internet. The intent is to purchase additional screens with SmartBond funding for the remainder of the district.

*Document Cameras*

Document cameras have been used extensively throughout the district for many years. The units we are using work seamlessly with our Windows machines and with the JTouch interactive displays. No additional infrastructure is needed to support these devices.

*Touch Screen Chromebooks [staff]*

HPCSD purchased 150 touch-screen Chromebooks for one academic building's staff. Through the Google Admin Console, management of these devices over the established wireless network is straightforward. No additional infrastructure is needed to support these devices.

*Non-touch screen Chromebooks [students]*

HPCSD has a current fleet of over 1500 student Chromebooks. No additional infrastructure is needed to support these devices.

*Projectors*

The proposed projectors are intended for placement in our auditoriums and gymnasiums. Some minor electrical and data installations will be necessary - this work is already slated through our in-house Facilities & Operations department.

Existing equipment that supports installation of above

**Electrical/HVAC**

Each classroom has adequate electrical wiring to support the addition of all devices.

Each server closet is equipped with adequate HVAC to protect networking equipment from temperature extremes.

**Networking**

Every instructional space has a minimum of two network ports. One port is used for the Wireless Access Points installed in each room. The second port links to the VOIP phone system and also connects the teacher's workstation to the network. The proposed purchases will all function within this current network structure.

**Wireless network:**

The addition of Chromebooks for each incoming 6th grade class will provide a 1:1 digital device environment for our students. As we currently have over 1500 Chromebooks deployed in the district, we are confident that the current electrical and networking infrastructure will support the additional devices. A review by our Cisco networking consultants indicates that our wireless infrastructure is more than capable of handling the wireless demands of the Chromebook fleet.

**Wired network:**

We have tested/used the IFP and have insured its compatibility with our network. To enhance the Interactive Flat Panel (IFP) capabilities, part of this SmartBond application is to add additional network ports in each classroom such that the interactive screen can be directly connected to the network and thus allow for use of the screen's built-in web browser.

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## Classroom Learning Technology

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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?")**

Describe how the proposed technology purchases will:

- enhance differentiated instruction:
  - The incorporation of IFPs provides a medium for teachers to bring a wide array of audio-visual elements into their instruction. Through the integrated "casting" technology, teachers will be able to share their computer screens, as well as the screens of specific students with the whole class, providing opportunities for students to visualize a variety of instructional approaches and solutions
  - The creation of a digital environment will allow students to experience learning in new ways. Presentation of material, acquisition of knowledge and methods of demonstrating understanding will all be increased and personalized.
- expand student learning inside and outside the classroom;
  - Hyde Park teachers have already engaged in "virtual field trips" through the limited technology in place. With the addition of classroom IFPs, each teacher will be able to pursue these opportunities to a greater extent. With integrated microphones and camera, teachers will be able to record lessons and provide links for students to view/review lessons outside the classroom.
  - students will have enhanced ability to access online learning solutions, both through the IFP's and through the 1:1 device (Chromebook) initiative. Hyde Park has used online credit recovery tools for several years, and we are contracted with Educere for the 2016-2017 school year. 1:1 devices will provide simpler access for our students to these resources.
- benefit students with disabilities and English language learners:
  - the accommodations and the applications provided on Chromebooks and through the internet will afford students the opportunity to receive information in their native language, have material read to them, record answers verbally rather than in writing, and have access to materials and programs supporting specialized instruction. Programs that we currently use in-district to support our students with disabilities and ELL students are: Read-Write-Gold, Dragon Speak, Reading AtoZ,
- contribute to the reduction of other learning gaps that have been identified within the district:
  - The district has an increasing rate of students in poverty. Creating a 1:1 environment that includes the opportunity for students to take their devices home, reducing the opportunity gap between students receiving free/reduced lunch and their peers.

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 use of Google Classroom and the ESchoolData parent portal on the Chromebooks creates an opportunity for parents to have ongoing and immediate access to student records and work, and provides an access point for communication with teachers.

Each IFP will be outfitted with a combination document/web-conferencing camera, omni-directional microphone, and an integrated speaker system. These devices will be used to connect with experts and other classrooms around the world. Training will also be provided to teachers and families about using the devices for video-conferencing.

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Classroom Learning Technology

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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.”**

During the 2015-2016 school year Haviland Middle School teachers were provided with over 60 hours of professional development and training on the integration of technology into instruction. This model will be replicated in the coming year with the FDRoosevelt High School staff, and subsequently the elementary teaching staff.

Topic	Audience	Delivery Method
Google Apps for Education (include Classroom, Docs, Sheets, Slides, Forms, Gmail, Research)	All staff	Face-to-face, internet driven online solution. Multiple sessions
Chromebooks - Awareness	All staff	Face-to-face; self-paced using online solution
Chromebooks in the Classroom - Awareness	All staff	Face-to-face, online solution
Selected online application trainings: (including Flubaroo, FitnessGram, SmartMusic, VoiceThread, etc)	Teachers	Face-to-face, online solution
NWEA-MAPS testing protocols	Teachers/TA's/Admins	Face-to-face, online solution
Application Showcase	All staff	Face-to-face
Video in the Classroom	All staff	Face-to-face, online solution
Internet Safety	Students/Parents/Staff	Face-to-face
1:1 Classroom environments	Teachers	Face-to-face

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 New Paltz

- 9b. Enter the primary Institution phone number.

845.257.2804

- 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.

Karen Bells, Director Innov Teaching

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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.

The local non-public schools were contacted indicating the deadline of August 15 for loan of instructional equipment requests. Regina Coeili school was closed by the diocese in the summer of 2015, thus no contact was made. [113 students, \$0] Montessori school declined the allocation based upon educational philosophy [2 students, or \$0] Millennial Kingdom Family School did not respond; Funds are noted in reserve for the School. [3 students, or 750] St. Peters requested Chromebooks, interactive flat screens, projectors, and document cameras. The allocation of \$51,250, based upon an enrollment figure of 205 was planned in collaboration with the principal.

- 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](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	1,620,640	3,701	208	3,906	250	52,000

- 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.

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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	684,800
Computer Servers	0
Desktop Computers	0
Laptop Computers	813,540
Tablet Computers	0
Other Costs	122,300
<b>Totals:</b>	<b>1,620,640</b>

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](mailto: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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## Classroom Learning Technology

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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
Interactive Whiteboards	ViewSonic 70	209	3,200	668,800
Laptop Computers	Dell Chromebook 11 Touch-Staff	280	273	76,440
Laptop Computers	Dell Chromebook 11 Touch-Students	2,600	273	709,800
Other Costs	5000 Lumen Projector	4	4,000	16,000
Other Costs	Document Cameras	195	300	58,500
Other Costs	Cases for Chromebooks	2,300	17	39,100
Laptop Computers	[non-public] Dell Chromebook 11 Touch	100	273	27,300
Other Costs	[non-public] Projector	5	900	4,500
Other Costs	[non-public] Document cameras	1	300	300
Interactive Whiteboards	[non-public] ViewSonic 70	5	3,200	16,000
Other Costs	[non-public] Charging Cart-Chromebooks	3	1,000	3,000
Other Costs	[non-public] Remaining Expenditures[non-public]	1	900	900

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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)
<b>Totals:</b>	<b>0</b>

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](mailto: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

**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)
<b>Totals:</b>	<b>0</b>

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](mailto: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

**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.

(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. 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
(No Response)	(No Response)

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	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

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](mailto: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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