Smart Schools Investment Plan - 2016-17 Version (Original) - Port 1

SSIP Overview

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

Lorelei Case

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

845 858 3100 ext 15530

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

lcase@pjschools.org

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

First submission

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

☑ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.
By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☑ Parents
☑ Teachers
☑ Students
☑ Community members

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

☑ Yes
☐ No
☐ N/A

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

☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured 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.

SmartBondPresent.pptx

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.

www.pjschools.org

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.

2,600

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:

$3,185,814

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	1,431,813
Connectivity Projects for Communities	0
Classroom Technology	526,322
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	1,000,000
Totals:	**2,958,135**

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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 bandwidth is 265 Mbps. The service is provided through a BOCES Coser.

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	2,500	250,000	250	265	(No Response)	(No Response)

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

Wireless infrastructure will be upgraded. The upgrade will include network switches, cabling and increased number of access points.

1. The district will hire a company that will provide the configuration design service and installation of the upgraded wireless system.

2. Once the wires for the upgraded wireless service are installed each "homerun" wire must be tested for DB loss. If wires are not properly crimped the wires are identified and repairs made to the wireless prior to final inspeciton.

3. The intermediate distribution frame (IDF) is part of the wired distribution system for the wireless system. Two new IDF's are necessary to support the additional wireless.

4. Fiber optic and upgrade fiber optic consists of running new 50micron10gigabyte per second cabling to locations in the district that are not currently serviced by wireless and upgrade other wiring to be consistent and reliable at 50micron10gigabyte per second wiring

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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 proposed technology purchases will support the District instructional goals and objectives that reflect an integrated/interdisciplinary approach supporting technology use as it is embedded in the learning standards across the curriculums. Instructional technology supports student achievement and performance goals at each level of instruction in the district. In addition, instructional technology will support technology literacy, project based learning and performance-based assessment.

The technology purchases will support a more comprehensive use of Smart Board Technology, learning management systems and the integration of Google Applications for Education and Google Classroom into more classrooms. These applications will certainly benefit all of our students, including the most at-risk population. Having the options available for teachers to use applications for students that have low reading levels that read to students, simplify website text, and offer a variety of student options that promote differentiation and expansion of student learning. In addition, Port Jervis plans to expand APEX for more high school students to enroll in online classes. This will offer more credit recovery as well as enrichment options.

The district will reduce the student to computer ratio and in so doing, will be able to offer more frequent use of these web-based tools. Utilizing the many various educational extensions available in Google Apps for Education (GAFE), we will be able to offer a wide range of differentiation and accomodations to students. Many of these tools are free to utilize through GAFE and are directly embedded within the Google Chrome operating system.

Students with disabilities and English Language Learners will hae a wider variety of tools at their disposal through GAFE and web based tools. For children with physical disabilities, technology can give access to learning opportunities previously closed to them. E-readers help students turn book pages without applying dexterity, and voice adaptive software can help students answer questions without needing to write. For English Language Learners, technology provided will allow for translation services, text to be read aloud from any website, and increase the amount of visuals often needed to learn vocabulary in the English language. Computers are engaging and more advanced than the typical modified lesson allows.

All SWD's have the same access to the computer room, classroom computer stations, dedicated mobile carts of computers as their non-disabled peers. In addition our Special Education classrooms have SmartBoards as well as classrooms with SmartTable. The SWD complete online assessments and measures as our regular education students. As stated above the use of speech to text programs are used with all students. The district assigns assistive technology to students to ensure access to and participation in the general curriculum.

The district provides online learning for students in grades K-6 through Compasss Learning, Accelerated Reader and other available web-based software. All teachers, administrators and students also have access to BrainPOP and BrainPOP, Jr which provide video resources and quizzes. In addition, teachers and administrators have the opportunity to use United Streaming as a digital repository for videos. The technology purchases afforded by this funding will expand these opportunities for all of our students, including our SWD and ELL subgroups by providing more devices: student ratio. Subsequently, more blended learning opportunities in the classroom.

By having a wider access to technology teachers will be able to gather more formative assessment data to guide their instruction through our Professional Learning Community (PLC). This data will be able to be turned around at a much faster rate using tools such as GAFE, Datamate Elite, and many web-based apps. We will be able to begin looking into connecting our data services as well as adding more effective services with the availability of additional comptuers. All of this will further enhance our knowledge of student progress, guide the teachers and administrators in making curricular decisions, and allow an even greater level of differentiation to take place, further enabling us to close the achievement gap.

The Port Jervis CSD Technology Plan recognizes the positive support and impact of the community on our technology program. The community is encouraged to use technology to access information regarding student and school activities, enhance student learning, and enhance their own learning. The communication technologies currently include voice mail, email, School News Notified (SNN) and website (www.pjschools.org) capabilities, Parent Portal and teacher web pages through Google sites, in addition to teachers pushing out applications to students that extends the classroom to outside of the school. Parents are able to monitor their child's assignments and progress.

We plan to utilize online surveys/interviews as a means to survey all stakeholders, in order to evaluate our desired outcomes and improve our teaching and learning. Use of additional laptops will also be utilized for surveys during Parent-Teacher Conferences and Open House.

Our technology plan is a comprehensive plan that supports three critical components; infrastructure/equipment/training. The use of qualitative and quantitate data will drive teacher training, we will identify strengths and weaknesses of implementation and assess the need for additional targeted professional development.

Method of Delivery:

Model Schools: BOCES Integration Specialists, Superintendent Conference Days, before and after school workshops, BOCES trainings, Off site Conferences, PLC time, Title grants, Establish a Tech Integration Team, each teacher develop individual professional development plan, online webinars, teacher mentors, summer boot camps, support the positon of Director of Instructional Technology and Data Analysis

Port Jervis utilizes many different modes and resources for providing teachers, administrators and students with learning, enrichment and remediation

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through online and distrance learning. Moodle is on example of a LMS used for student instruction in both the high school and middle school. Teachers are able to access resources or take training through the Moodle site. Currently BOCES is offering a variety of trainings through Moodle.

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 identified current availability and usage through data charts. The minimum bandwidth needed has been contracted. The SmartBond Plan includes district-wide infrastructure upgrades to better meet the current and future demand.
As part of the upgraded library to media centers 4 computer/testing centers are part of the technology enhancements that will assist in meeting the increased demand.
District-wide fiber optic and upgraded fiber optic will be run to allow for additional computer units to access wireless. The increased access will provide additional opportunities to meet the student need and demand by allowing additional computer units to operate efficiently through the network.

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

Project Number
44-18-00-05-7-999BA1
44-18-00-05-0-012-033
44-18-00-05-0-011-016

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
Robert Firneis	185381

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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	Sub-Allocation
Network/Access Costs	514,733
Outside Plant Costs	0
School Internal Connections and Components	78,130
Professional Services	164,000
Testing	30,000
Other Upfront Costs	520,000
Other Costs	124,950
Totals:	**1,431,813**

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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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	Access Points	71	720	51,120
Connections/Components	Drops - wiring	70	175	12,250
Connections/Components	Fiber Optic cable - needed to provide wireless access throughout the district	1	17,880	17,880
Professional Services	Install of wireless upgrade and design	1	20,000	20,000
Network/Access Costs	Upgrade 3502 Access Points	81	800	64,800
Other Costs	Contingency	1	124,950	124,950
Network/Access Costs	Intermediate Distribution Frame which houses local area network switches	19	5,500	104,500
Network/Access Costs	Core Switch	2	65,000	130,000
Network/Access Costs	Controller Wireless	1	35,000	35,000
Testing	Testing to confirm that fiber optic cables and connectors are installed properly and providing adequate bandwidth and all lines are meeting minimum requirement	1	30,000	30,000
Professional Services	Cost to oversee districtwide upgrade of infrastructure to include portions of the renovated media centers	1	124,000	124,000
Network/Access Costs	Intermediate Distribution Frame Closet - ancillary hub for internet services	2	45,906	91,813
Connections/Components	labor to install wiring/connectors/distribution frame	1	41,875	41,875
Other Upfront Costs	Rooftop Heating Ventilation Air Conditioning units to allow the computers to operate in a temperature controlled climate environment	4	62,500	250,000
Other Upfront Costs	Racks - fiber optic racks that control transmissions for sound	3	40,000	120,000
Other Upfront Costs	Upgrade Fiber Optic Network - remove and replace older wiring that does not meet today's requirements to adequately transmit data	1	150,000	150,000
Network/Access Costs	Server	3	12,500	37,500
Professional Services	Engineering of wireless upgraded design	1	20,000	20,000
Connections/Components	fiber optic connectors	24	125	3,000
Connections/Components	RJ 45 connectors, male and female	125	25	3,125

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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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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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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 bandwidth is 265 Mbps. The bandwidth was achieved through increased services via a BOCES contract.

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	2,500	250,000	250	265	(No Response)	(No Response)

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 minimum bandwidth has been contracted. The SmartBond includes district wide infrastructure upgrades to meet the demand.

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 SmartBond plan includes the purchase of 10 carts housing 25 laptops each. An additional 89 laptops will be placed throughout the district. Several carts will be assigned to each school building. At the middle school, 33 Smart TV or interactive displays, will be ordered and placed in each classroom on a cart. An additional 4 replacement Smart TVs will replace broken units.

Projectors will be placed in the high school auditorium and the two elementary schools. These devices will allow for large group interactive training, testing and teaching spaces.

As part of a renovation project, the two elementary schools will receive upgrades to the library/media centers. These projects will be submitted to SED Facilities Planning. The technology infrastructure will be upgraded, additional lab spaces incorporated into the design and existing labs will be upgraded with new computers. The ASK Elementary project represents 25% attributable to SmartBond funds. The HBE Elementary project represents 35% attributable to SmartBond funds. The new lab spaces will be furnished with computer tables and desks that can be raised and lowered to accomodate the students that will be served in the K-6 building.

The electrical and HVAC systems will be upgraded in the libraries to allow for proper cooling of the increased number of devices. As part of the submitted project, infrastructure, specifically to address lack of wireless capability, will be added to the existing system. A library/media projects will require Facilities Planning approval. A project submittal will be prepared, submitted and approved by the state prior to starting the project.

All of the projects, including the SmartBond portions, will be presented on the May 17, 2016 ballot for taxpayer approval.

The taxpayers approved the SmartBond on May 27, 2016.

As of May 24, 2017 the plan is to purchase Dell Optiplex 5040 Desktops, Dell Chromebooks 3189, JAR Systems SB-5915BX Carts, and Hitachi LP-NV975OB projectors. Models are subject to change based on what is available in the marketplace.

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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?"

The proposed technology purchases will support the District instructional goals and objectives that reflect an integrated/interdisciplinary approach supporting technology use as it is embedded in the learning standards across the curriculums. Instructional technology supports student achievement and performance goals at each level of instruction in the district. In addition, instructional technology will support technology literacy, project based learning and performance-based assessment.

The technology purchases will support a more comprehensive use of SmartBoard Technology, learning management systems and the integration of Google Applications for Education and Google Classroom into more classrooms. These applications will certainly benefit all of our students, including the most at-risk population. Having the options available for teachers to use applications for students that have low reading level that read to students, simplify website text, and offer a variety of student options that promote differentiation and expansion of student learning. In addition, Port Jervis plans to expand APEX for more high school students to enroll in online classes. This will offer more credit recovery as well as enrichment options.

The district will reduce the student to computer ratio and in so doing, will be able to offer more frequent use of these web-based tools. Utilizing the many various educational extensions available in Google Apps for Education (GAFE), we will be able to offer a wide range of differentiation and accommodations to students. Many of these tools are free to utilize through GAFE and are directly embedded within the Google Chrome operating system.

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The district provides online learning for students in grades K-6 through Compass Learning, Accelerated Reader and other available web-based software. All teachers, administrators and students also have access to BrainPOP and BrainPOP, Jr. which provide video resources and quizzes. In addition, teachers and adminsitrators have the opportunity to use United Streaming as a digital repository for videos. The technology purchases afforded by this funding will expand these opportunities for all of our students, including SWD and ELL subgroups by providing more devices: student ratio. Subsequently, more blended learning opportunities in the classroom.

By having a wider access to technology, teachers will be able to gather more formative assessment data to guide their instruction through our Professional Learning Community (PLC). This data will be able to be turned around at a much faster rate using tools such as GAFE, Datamate Elite, and many web-based apps. We will be able to begin looking into connecting our data services as well as adding more effective services with the availability of additional computers. All of this will further enhance our knowledge of student progress, guide the teachers and administrators in making curricular decisions, and allow an even greater level of differentiation to take place, further enabling us to close the achievement gap.

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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 Port Jervis CSD Technology Plan recognizes the positive support and impact of the community on our technology program. The community is encouraged to use technology to access information regarding student and school activities, enhance student learning, and enhance their own learning. The communication technologies currently include voice mail, email, School News Notifier (SNN) and website (www.pjschools.org) capabilities, Parent Portal and teacher web pages through Google sites, in addition to teachers pushing out applications to students that extends the classroom to outside of the school. Parents are able to monitor their child's assignments and progress.
We plan to utilize online surveys/interviews as a means to survey all stakeholders, in order to evaluate our desired outcomes. Use of additional laptops will also be utilized for surveys during Parent-Teacher Conferences and Open House.

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."

Our technology plan is a comprehensive plan that supports three critical components; infrastructure/equipment/training. The use of qualitative and quantitative data will drive teacher training, we will identify strengths and weaknesses of implementation and assess the need for additional targeted professional development.
Method of Delivery:
Model Schools: BOCES Integration Specialists, Superintendent Conference Days, before and after school workshops, BOCES trainings, Offsite Conferences, PLC time, Title grants, Establish a Tech Integration Team, each teacher develop individual professional development time, online webinars, teacher mentors, summer boot camps, support the position of Teacher on Special Assignment: Instructional Technology.
Port Jervis utilizes many different modes and resources for providing teachers, administrators and students with learning, enrichment and remediation through online and distance learning. Moodle is an example of a LMS used for student instruction in both the high school and middle school. Teachers are able to access resources or take training through the Moodle site. Currently BOCES is offering a variety of trainings through Moodle.
Identify appropriate software to support the instructional program including assessment management: NWES MAP assessments, Compass Learning, APEX Learning, Google Applications for Education, Google Classroom, Microsoft Office, Smart Notebook, LMS, Google Calendar, MAPS trainings, Read-Write-Gold, Dragon SPeak, Stafftrac, DataMate Elite

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.

845-257-7869

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.

Margaret Veve

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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.

We have established a positive working relationship with our local private school partner and we work hand in hand to assure that all students currently attending private school(s) have access as required and determined by the private school to relevant technologies. We met in person on October 17th, 2016 with the nonpublic school representative. The administrative representative was offered to borrow allocated equipment that includes 25 desktops, 23 Chromebooks and 1 Smart TV totaling $27,692. Technologies purchased through the Smart Bond Act will be made available to the private school(s) on a annual loaner basis requested by July 1st. Our private school(s) partner is always afforded the opportunity to participate in all professional development opportunities relating to technology use, implementation and support. The total nonpublic school allocation, in this application, is $27,692 which is greater than the $27,450 calculated in question number eleven but is less than the $250 per pupil maximum allowed.

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	526,322	2,724	150	2,874	183	27,450

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	0
Computer Servers	0
Desktop Computers	105,210
Laptop Computers	119,460
Tablet Computers	0
Other Costs	301,652
Totals:	**526,322**

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	Smart TVs- 33 units will be on carts, 4 are replacements	37	4,200	155,400
Desktop Computers	Desktop Computer-Dell Optiplex 5040 Model is subject to change based on what is available in the marketplace.	142	630	89,460
Laptop Computers	Chromebooks-Dell Chromebook 3189 - model is subject to change based on what is available in the marketplace - 250 units will be placed on carts - 89 will be placed district-wide	339	330	111,870
Other Costs	Carts- SB5915BX - will house 25 laptops each	10	2,800	28,000
Other Costs	Carts - to go with the 33 portable smart tvs to be placed at the aging middle school	33	800	26,400
Other Costs	Projector - Hitachi LP NV9750B - to provide internet access and projection of same in large teaching spaces	5	2,500	12,500
Other Costs	tables K1 state contract Pirouette, DataLink,Toggle	40	1,500	60,000
Other Costs	chairs will use state contract chairs adjustable Intellect Wave K1	150	100	15,000
Desktop Computers	SSIP allocation - Nonpublic Dell Optiplex 5040 Model is subject to change based on what is available in the marketplace.	25	630	15,750
Laptop Computers	SSIP allocarion Dell Chromebook 3189 - model is subject to change based on what is available in the marketplace	23	330	7,590
Other Costs	SSIP allocation- Nonpublic - Smart SPNL-4070 - model is subject to change based on what is available in the marketplace.	1	4,352	4,352

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

(No Response)

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

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

(No Response)

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

(No Response)

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

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

Project Number
(No Response)

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

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

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

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

(No Response)

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

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

Project Number
(No Response)

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

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

(No Response)

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

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

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

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

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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 SmartBond Plan includes a comprehensive plan to replace, upgrade and add security cameras, districtwide. At the HBE Elementary School, doors will be replaced with doors and a door system that proved enhanced security features (automatic closers, workable at locations throughout the building) in emergency situations.
The door hardening includes an additional security features. The doors are held open by magnets. The magnets are controlled by the fire alarm system. When the fire alarm goes off all doors close. Should there be a need for a lock down due to an intruder, all doors are controlled by a push button in the main office. This required hardware and software upgrades to the existing Simplex fire alarm panel.

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
44-18-00-05-7-999-BA1
44-18-00-05-0-011-016
44-18-00-05-0-012-033
44-18-00-05-7-999-002

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
Robert Firneis	185381

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.

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	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0
Electronic Security System	417,000
Entry Control System	0
Approved Door Hardening Project	512,500
Other Costs	70,500
Totals:	**1,000,000**

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.

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
Approved Door Hardening Project	Doors	78	1,000	78,000
Approved Door Hardening Project	labor for installation	1	274,975	274,975
Approved Door Hardening Project	Demolition of Existing Doors	43	1,360	58,500
Other Costs	Contingency	1	70,500	70,500
Approved Door Hardening Project	Professional Services - Design change of doors to hardened doors.	1	20,000	20,000
Approved Door Hardening Project	Wiring	1	38,500	38,500
Electronic Security System	Network Storage System - for IP Camera storage	1	40,000	40,000
Electronic Security System	Video Servers	5	62,000	310,000
Electronic Security System	Cameras - IP	200	225	45,000
Electronic Security System	Professional Services - Design of IP cameras district wide.	1	22,000	22,000
Approved Door Hardening Project	NAC Panels	2	3,000	6,000
Approved Door Hardening Project	wiring - 16,000 feet	1	26,000	26,000
Approved Door Hardening Project	IAM Relays	6	1,000	6,000
Approved Door Hardening Project	door magnets	45	45	2,025
Approved Door Hardening Project	Simplex - programming	1	2,500	2,500