Smart Schools Investment Plan - SBA_V1

SSIP Overview

Page Last Modified: 04/26/2017

Group 1

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

   Christopher Quinones / Kim Fontana

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

   845.855.4674 845.855.2185

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

   quinonesc@pcsdny.org / fontanak@pcsdny.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 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.

Page Last Modified: 04/26/2017

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.**

SMART SCHOOLS BOND ACT Preliminary Plan January 2016-V3.pdf

SSIP presentation public January 2016 (1).pptx.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.**

http://www.pawlingschools.org/community.cfm?subpage=2055530

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

1,450

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:**

$616,065

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	271,624
Connectivity Projects for Communities	0
Classroom Technology	303,746
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	40,695
Totals:	**616,065**

Smart Schools Investment Plan - SBA_V1

School Connectivity

Page Last Modified: 04/25/2017

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.

   As a precondition to using the funds, the District has ensured that there is adequate Internet bandwidth in excess of 100 Mbps per 1,000 students to sustain the increase of more classroom devices. The District's current bandwidth exceeds this minimum at 160 Mbps, with plans to increase in the near future.

   Additionally, the proposed plan aligns closely with the current three year Technology Plan, approved and on file with the NY State Department of Education.

   In order to meet the increased need for online access and the bandwidth requirements for the SSBA, the District will be replacing its existing firewall, wireless access points, and storage area network (SAN) with updated equipment. Additionally, twelve of the network switches that support the District's network will be replaced with newer switches, capable of supporting higher throughput, plus power over Ethernet (PoE) functionality. In addition, the District will begin a virtual machine (VM) implementation, which will reduce the necessity of replacing desktop machines while supporting mobile access.

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

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

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,200	120,000	120	160	160	Already Met

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

The District will be replacing its existing **core switch**, **wireless access points**, and **storage area network (SAN)** with updated equipment. Additionally, twelve of the **network switches** that support the District's network will be replaced with newer switches, capable of supporting higher throughput, plus power over Ethernet (PoE) functionality. In addition, the District will begin a virtual machine (VM) implementation, which will reduce the necessity of replacing desktop machines while supporting mobile access, which will require **new physical servers.**

Item to be purchased	Quantity	Cost per Item	Total Cost
Network Switches	12	8,000	96,000
Core Switch	1	9,000	9,000
Storage Area Networks SANs	3	10,000	30,000
Wireless Access Points	140	600	84,000
Servers	11	4,784	52,624

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?)**

Strategies for the SSBA allocation closely align to the District's 2016-2019 Technology Plan Goals:

1. Support learning and differentiation for all learners with enhanced curriculum and modern 21st Century tools
2. Continue to provide technology training, staff development and continuing support for relevant technological applications
3. Support and enhance the development and refinement of technology-based skills through curriculum in accordance with the National Educational Technology Standards (NETS)
4. Increase awareness of Internet Safety and Digital Citizenship for students, staff, and parents while maintaining an individual's right to privacy
5. Cultivate and enhance parent and community communications
6. Develop and implement a 1:1 technology distribution and support model for the District

The SSBA allocation will specifically support the Technology Plan goals by:

- Updating necessary wireless access points and core network switches;
- Expanding the one-to-one Chromebook initiative by purchasing Chromebooks for the use of students in grades 3-12;
- Providing iPads for students in grades K-2;
- Enhancing security and emergency preparedness and responsiveness for all schools and at the Transportation facility;
- Deploying a Virtual Machine (VM) environment to replace existing desktops and reduce costs over time;
- Replacing deteriorating interactive Smart Boards with Epson Brightlink interactive projectors.

Smart Schools Investment Plan - SBA_V1

School Connectivity

Page Last Modified: 04/25/2017

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.

   Required infrastucture for a 1:1 environment has already been established with dedicated Access Points (APs) in every instructional room, including hallways and large meeting areas. Demand in collaboration with Dutchess County BOCES & CSI (Computer Systems Integrators). CSI is a Cisco Certified organization (CCNA, CCNP, CCDA etc.) that has previously worked with our district as network integrators and consultants. This project encompassed upgrading the network to support a multiple array of wireless devices that meet demand. SBA will be utilitzed for backbone infrastructure upgrades as well as upgrading APs.

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
13-12-01-04-7-999-BA1

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
William G. Wisbauer	16549

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.

Page Last Modified: 04/25/2017

	Sub-Allocation
Network/Access Costs	271,624
Outside Plant Costs	0
School Internal Connections and Components	0
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	**271,624**

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Switches	12	8,000	96,000
Network/Access Costs	Core Switch	1	9,000	9,000
Network/Access Costs	SANs	3	10,000	30,000
Network/Access Costs	Wireless Access Points	140	600	84,000
Network/Access Costs	Servers	11	4,784	52,624

Smart Schools Investment Plan - SBA_V1

Community Connectivity (Broadband and Wireless)

Page Last Modified: 04/25/2017

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)
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.

Smart Schools Investment Plan - SBA_V1

Community Connectivity (Broadband and Wireless)

Page Last Modified: 04/25/2017

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

Smart Schools Investment Plan - SBA_V1

Classroom Learning Technology

Page Last Modified: 04/26/2017

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.

    As a precondition to using the funds, the District has ensured that there is adequate Internet bandwidth in excess of 100 Mbps per 1,000 students to sustain the increase of more classroom devices. The District's current bandwidth exceeds this minimum at 160 Mbps, with plans to increase in the near future.

    Additionally, the proposed plan aligns closely with the current three year Technology Plan, approved and on file with the NY State Department of Education.

    In order to meet the increased need for online access and the bandwidth requirements for the SSBA, the District will be replacing its existing firewall, wireless access points, and storage area network (SAN) with updated equipment. Additionally, twelve of the network switches that support the District's network will be replaced with newer switches, capable of supporting higher throughput, plus power over Ethernet (PoE) functionality. In addition, the District will begin a virtual machine (VM) implementation, which will reduce the necessity of replacing desktop machines while supporting mobile access.

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

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

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,200	120,000	120	160	160	Already Met

Status Date: 04/26/2017 04:03 PM

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.

Required infrastucture for a 1:1 environment has already been established with dedicated Access Points (APs) in every instructional room, including hallways and large meeting areas. Demand in collaboration with Dutchess County BOCES & CSI (Computer Systems Integrators). CSI is a Cisco Certified organization (CCNA, CCNP, CCDA etc.) that has previously worked with our district as network integrators and consultants. This project encompassed upgrading the network to support a multiple array of wireless devices that meet demand. SBA will be utilitzed for backbone infrastructure upgrades as well as upgrading APs.

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.

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

The District plans to increase the number of wireless devices in several areas.
To support the ongoing one-to-one Chromebook initiative, the District plans to purchase **Dell Chromebook 11** (or the equivalent model) Chromebooks. These units will have 4 GB of RAM and 16 GB solid state hard drives. They will be purchased with the **Chrome OS Management license** so that they can be added to the District's existing Google Apps for Education (GAFE) domain.
iPads will also be purchased for Kindergarten through 2nd grade classrooms. The District is planning on purchasing the **Apple iPad Air 2 Wi-Fi tablet**. These devices will have a 16 GB hard drive and a 9.7" screen. Each device will be kept in a high-impact case and charging carts.
The district will replace existing Smart Board interactive white boards with more efficient **Epson Brightlink Interactive Whiteboard/Projector**. This equipment includes **document cameras**, **speakers** and **Epson Bright Link Projectors**.
Adequacy of each facility's electrical, HVAC and other infrastructure has been evaluated & approved to sustain stated projects.

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?"

Strategies for the SSBA allocation closely align to the District's 2016-2019 Technology Plan Goals:

In traditional instruction, not involving the use of technology, teaching and learning were typically undifferentiated. Teachers lectured to entire classes, largely unable to adapt to students' readiness levels or learning styles. Students were expected to learn the material presented at whatever pace was determined by the teacher or by the district curriculum. The teacher was the one primary source of information in the room, resource materials like encyclopedias or (often out-of-date) textbooks were frequently the only other information sources available. With 1:1 technology, content delivery can be differentiated through various digital resources. A 1:1 environment allows teachers to replace entire models of content such as delivery lecture-based learning with progressive models such as student research and project-based learning.

The proposed technology purchases will promote independence, remove barriers to participation and optimize the education of students with special needs & English language learners through the integration of assistive technology into educational programs in order to provide access to the general curriculum and Free Appropriate Public Education for all children in the least restrictive environment.

Goal: To create a working framework for implementation of a continuum of support for learning through accessible and assistive technology in the Pawling Central School District in accordance with the stated mission and through general understanding of the principles of Universal Design for Learning. Pawling central school district continues to increase the familiarity (amongst general and special education staff) with readily and universally available software support in the classroom using laptops, Chromebooks and iPads for all general and special education students & English language learners.

Specifically,

- Software and Technology purchase to meet district-wide needs for assistive technology that meet the needs of a broad spectrum of children. For example, a Chromebooks and site license for "Google Read & Write" software which supports writing and spelling, with attention to cost and protocol for acquisition of more specific technology for individual children to meet areas of need.
- "Read and Write" for Google for all children to provide literacy support.
- Support for implementation of a UDL framework and to establish what functions for support of reading, writing, spelling, study/organization skills are currently available through available technology and proposed purchases in the district (eg iPads /laptops/Chromebooks.
- Expansion and development of the "Book share" program, which is a free federally funded program providing access to digital books through text to speech for children with print disabilities such as dyslexia. Download of "Read Out Loud" free Book share edition onto the district website.
- Access to digital textbooks.

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.**

Pawling Central School District communicates with families and community members using several technology-related resources including district, school, and teacher webpages; a mass notification service; parent portal and social media. The District webmaster maintains the District website, while each school maintains their school sites. The District website includes information about student registration; Board of Education meetings, agendas, minutes, and advocacy activities; forms, policies, and procedures; community resources, a listing of all District schools, a calendar, and more. School sites also contain a calendar to publicize upcoming events, as well as links to school databases, the library media center, parent resources, and other school specific information.

Proposed technology purchases will:

• Enhance transparency in terms to student work via learning management systems (Schoology, Google Classroom etc.) via 1:1 Learning

• Ensure equitable access to the Internet beyond the school day and will be able to launch a pilot loan program for a type of mobile device designed for educational purposes via devices and mobile hotspots.

Page Last Modified: 04/26/2017

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

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

As digital technology becomes more widely available and continues to change, there is a compelling need to provide on-going professional development to support educational reform goals, New York State Standards and Common Core Standards, and locally developed curriculum. Research-based effective practices as well as District outcomes for students demand that students have inquiry-based, collaborative, and differentiated learning experiences. The SSBA allocations support the acquisition of essential tools, but does not provide funding for professional or curriculum development.

Pawling Central School District will continue providing resources based on its approved budgets to support and promote activities for technology integration professional development for staff, teachers and administrators. The PCSD approved Professional Development Plan highlights the importance of professional development for technology integration. The District is committed to ensuring that our staff, teachers, and administrators can efficiently use technology for productivity and to effectively promote student achievement, teaching and learning.

Examples of topics that will be offered to staff that will support the inclusion of the devices being purchased by SSBA include:

Rosetta Stone Review for ELL & Language Rosetta Stone is an award winning tool designed for a school's curriculum to accelerate language learning. This professional development course is designed as a review/refresher from our last course. It is an opportunity to collaborate & troubleshoot any areas of need.	**Google Apps Introduction** In this class, we will learn how to use Google Apps, mainly focusing on Gmail and Google Drive Learn how to organize and use communication tools such as Google Chat. We will demonstrate how to create documents and organize them & learn how to collaborate with others using shared documents. With Google Drive you can store your Google documents and your other files - all online, accessible from anywhere.
iPads Overview This class will introduce you to the world of the Apple iPad 3. The hands-on approach will show you the basics from accessing your iPad, buying, and organizing apps. Learn to maximize your productivity and have fun with the different applications available. Many tips, tricks, and other information is included in this three-hour workshop. This Overview class will be hands on.	**Epson BrightLink Introduction** This course introduces participants to the capability found in the Epson BrightLink interactive projectors. Epson BrightLink projectors represent the next generation of interactive classroom technology. Learn to use Easy Interactive Tools to annotate, to demonstrate, to integrate media into instruction, and to drive critical thinking skills. Explore ways to use interactive projection to increase student interaction and active participation in learning experiences.
Tech Tools for a Growth Mindset Participants will gain experience with tech tools that support differentiation, inclusive education, and a growth mindset Through web based tools such as InstaGrok, NewsELA, etc.	**Read and Write for Google Overview** Read & Write for Google is a Chrome extension that provides comprehensive reading and writing support for Google Docs and the Web as well as PDFs, ePubs, and KES files stored in Google Drive. It is intended to be an available support for all students as needed. Read and Write for Google has been made available for download on all Google accounts across the district. Attendees of this session will need to have downloaded the Google Chrome extension and should email Chris Quinones for assistance.
Google Classroom & Class Management Google Classroom is the new learning management system (LMS) by Google, and is free for all Google Apps for Education users. This course gives you a first look at this new LMS, and shows you how to create a course, add students, and send assignments inside of Google Classroom. Plus, get a look at the class from your students' perspective. Google Classroom brings the best features of Google Drive and in one easy-to-navigate application. See how easy it can be to manage an entire class's	**Utilizing Google Drive & Chromebooks in the Classroom** Google Drive is a suite of productivity applications similar to Microsoft Office, and is accessible over the Internet using a computer or tablet. It contains easy-to-use online word processing, spreadsheet, and presentation apps that invites users to create, store, publish, and share documents in the cloud. This 3-hour, hands-on, Technology Integration workshop will focus on Google Drives' collaborative nature and understanding the fundamentals of each tool

documents and assignments in this new course!	

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.**

Margaret Veve

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.**

845 257 2823

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 Pawling Central School District Smart Schools Investment Plan proposes the purchase of technology for nonpublic schools in the district and will have the opportunity to participate in technology loan of their specified choice of technology/devices for students. Allocation of funds is consistent with the Smart Schools Bond Act implementation language and the detailed description. Non Public schools have accepted & submitted requests as of March 31st. All nonpublic schools have requested Chromebooks as their choice of device.
*Trinity-Pawling School has declined funds. We have written documentation from Trinity-Pawling adminsitration.
Non Public School Allocation (based on calculation below: $25,190
Loaned devices will need to be requested by July 18th.

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	303,746	1,213	110	1,323	229	25,190

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	208,386
Tablet Computers	29,630
Other Costs	65,730
Totals:	**303,746**

Smart Schools Investment Plan - SBA_V1

Classroom Learning Technology

Page Last Modified: 04/26/2017

15. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
    Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.
    NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.
    Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	EPSON Interactive WhtBd Projectors	23	1,538	35,374
Laptop Computers	Chromebooks	606	306	185,436
Tablet Computers	iPads (Pro)	51	581	29,630
Laptop Computers	Chromebooks (non-public)	75	306	22,950
Other Costs	Chromebook cases (non-public)	75	30	2,240
Other Costs	Chrome OS Licenses	606	30	18,180
Other Costs	Document Cameras	23	166	3,818
Other Costs	Speakers	23	266	6,118

Group 1

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

    (No Response)

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

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

    (No Response)

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

    (No Response)

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

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

Project Number
(No Response)

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

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

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

Smart Schools Investment Plan - SBA_V1

Pre-Kindergarten Classrooms

Page Last Modified: 04/04/2017

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)

Group 1

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

   (No Response)

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

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

Project Number
(No Response)

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

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

   (No Response)

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

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

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

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

Group 1

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

    The SSBA allocation will enable the District to install high-tech security features in school buildings and on school campuses, including but not limited to:
    • Video surveillance cameras
    • Additional Panic buttons for entry/lockdown system
    The District Wide Security Lockdown System will be enhanced with three additional "panic" buttons.
    Surveillance capabilities will be enhanced with 18 additional cameras to be installed at the Transportation facility, on the rear exterior at Pawling Middle School and High School, and in the gymnasiums at Pawling Middle and Pawling Elementary Schools.

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
13-12-01-04-7-999-BA1

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
William G. Wisbauer	16549

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	26,073
Entry Control System	14,622
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	**40,695**

Page Last Modified: 04/25/2017

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.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	Campus Entrance Cameras	2	1,832	3,664
Electronic Security System	Transportation Cameras	6	1,120	6,720
Entry Control System	Panic buttons for Lockdown System	3	4,874	14,622
Electronic Security System	Exterior Building Cameras	6	1,644	9,864
Electronic Security System	Gym Cameras	4	1,456	5,825

Page Last Modified: 04/21/2017