Smart Schools Investment Plan - Revised - Pat-Med SSIP Phase III

SSIP Overview

Institution ID
800000037538

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

Dr. Donna Jones

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

631-687-6380

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

djones@pmschools.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.

Supplemental 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.

☑ Parents
☑ Teachers
☑ Students
☑ Community members
☐ The district was unable to meet with each group of stakeholders due to an emergency need as a result of the COVID-19 crisis.

5. Did your district contain nonpublic schools in 2014-15?

☑ Yes
☐ Yes, but they have all since closed, moved out of district or are declining use of SSBA funds
☐ No

6. Certify that the following required steps have taken place by checking the boxes below:

☑ 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 school board was unable to conduct a hearing that enabled stakeholders to respond to the preliminary plan due to an emergency need as a result of the COVID-19 crisis.
☑ 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.

6a. 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.

SSIP Phase 2 and 3 Presentation - Final SSIP - 6-2-17.pdf

6b. 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.

https://www.pmschools.org/Page/188

7. 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.

9,000

8. 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.

9. 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)

10. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

11. Your district's Smart Schools Bond Act Allocation is:

$6,047,604

12. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	7,661	337	7,998.00	4.21

13. This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must be resolved before submission.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	1,333,639.16	1,333,639.16	-0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	0.00	0.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	0.00	0.00	0.00
Nonpublic Loan	0.00	0.00	0.00
Totals:			

SSIP Overview

	Sub-Allocations	Expenditure Totals	Difference
	1,333,639	**1,333,639**	**-0**

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:

- **sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or**
- **is a planned use of a portion of Smart Schools Bond Act funds, or**
- **is under development through another funding source.**

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and

2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

The district currently operates with a 1 Gbps Internet connection that was installed August of 2018.

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). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	7,661	766.10	1 GB	1 GB	Currently Met

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

It is our goal to utilize the Smart Schools funds in Phase III to improve our network infrastructure to best serve the district in providing optimal bandwidth and performance to support current and future technologies. The previous phases have focused partly on network upgrades but also on the improvement of classroom learning technologies that were in need of immediate replacement. Phase III of our Smart Schools Investment plan will focus on the critical components of our network and wireless infrastructure to ensure we are meeting the bandwidth and performance requirements of such classroom learning technologies and various other district technologies. More specifically, we have directed our attention to the network infrastructure upgrades at the Middle Schools, whereby the existing network switches have reached their end of life and bandwidth capacity to support our growing demands. Additionally, we have identified there is a need to upgrade the fiber Optic cabling at specific schools that have the legacy Fiber optic cabling and require upgrades in order to operate with enhanced 10Ggbps data transfer speeds. The combination of the new network equipment at the Middle Schools, and upgraded Fiber Optic cabling at multiple locations, will ultimately provide the data transfer capacity of 10Gbps from the WAN to the desktop. The district is currently in the process of upgrading its Fiber Optic Wide Area Network (WAN), through district and eRate procurement methods, that will provide a medium for 10Gpbs data transfer rates across the district. The network equipment upgrades will compliment these upgrades to provide a high performing data network capable of supporting the various data and bandwidth requirements for today s classrooms.

The Phase III submission will also address the district's growing needs for wireless communication for staff and student devices. Previous submissions of the Smart Schools Plans have afforded us the opportunity to increase the quantity of student accessible devices and subsequently we need to improve our wireless solution to ensure maximum WiFi performance and bandwidth to such devices. Our current solution has served us well over the years, but we have identified a reduction in performance and numerous weak spots that have adversely affected our use of instructional technologies. The implementation of a new WiFi solution will serve to provide district-wide coverage for all devices, as well as enhanced bandwidth and performance to accommodate Internet accessibility for all current and future mobile computers. The new solution will provide state of the art management components to ensure effective support of this solution, as well as the ability to enhance network security measures and refine data privacy practices.

4. Describe the linkage between the district's District Instructional Technology Plan and how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students."

Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)

The Patchogue-Medford School District is focused on providing an expansive range of instructional technology devices and equipment that foster a content rich learning environment for our diverse student population. Improving student accessibility to instructional technologies is paramount and improving our network infrastructure will provide the opportunity for students to access various server and web based instructional applications made accessible through the devices that are available in our classrooms, computer labs and libraries.

The district offers a wide range of instructional software that focus on digital literacy, reading, writing, digital assessment components, test preparation, as well as additional collaborative software to compliment other content areas. We continue to evaluate our software needs to ensure accessibility from both school and at home, and also to further support the growing linguistic needs and academic diversity. It is important that we continue to expand and upgrade our network infrastructure to accommodate the growing demands of the district s software applications, while maximizing the productivity of classroom and computer lab devices.

The recent funds provided by the Smart Schools Bond Act have provided the district with an opportunity to increase the amount of student accessible mobile computers. As a result of the acquisition, such devices will offer improved student accessibility to district software resources as well as the numerous web based applications that are currently offered by the district. The proposed wireless solution will serve to provide high performance bandwidth and coverage to ensure optimal internet accessibility for the mobile devices and related instructional software platforms.

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 Patchogue-Medford School District is currently utilizing a district wireless solution that was designed over 6 years ago to provide basic WiFi coverage to teacher laptops and a minimal amount of student wireless devices throughout the district. Over the past few years, the district has acquired a large volume of student mobile devices that compliment the instructional technology applications, resulting in the increased demand for wireless Internet access. The original design was to provide adequate coverage to instructional spaces, but we have determined the current solution is inadequate for the needed performance and throughput of the new devices. As a result, Phase III of the Smart School Investment Plan is proposing the acquisition of an enhanced district wireless solution that will provide extended coverage, density and throughput to all instructional spaces across all schools. More importantly, our previous design focused on the sharing of one access point for many classrooms, whereas the new design will provide one access point per classroom, resulting in improved access by many students devices with adequate data throughput and performance.
The district collected feedback from various staff, conducted system performance monitoring, and consulted with network engineers and architects to develop a new wireless solution that will satisfy the district goals and instructional objectives. As part of this process, the Director of Technology and technical staff worked with prospective vendors to conduct building walk through s and heat map analysis to determine the appropriate coverage that would be needed to ensure the optimal amount of density and bandwidth. Our findings indicated locations throughout the district that would maximize wireless signals, mainly through the use of adding new Access Points to each classroom and shared instructional spaces. As a result, we identified a potential solution that will service our immediate WiFi demands, as well as prepare us for future growth of student accessible mobile devices.

6. Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)
58-02-24-03-07-999-009

7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

No

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

Name	License Number
(No Response)	(No Response)
Roger P. Smith, A.I.A.	165141

9. Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be Purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	**0.00**	**0**

10. Public Expenditures – Non-Loanable (Does not count toward nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Professional Services	SEQRA Fees	1	8,250.00	8,250.00
Professional Services	Architecht Fees (BBS)	1	71,464.00	71,464.00
Network/Access Costs	Aruba Lic-AP Controller per AP Capacity License	821	30.00	24,630.00
Network/Access Costs	Aruba LIC-k12 Budle AP 367	20	57.00	1,140.00
Connections/Components	SFP+ Direct Attach 1M Cable	1	72.19	72.19
Network/Access Costs	PD-90001Go_DC Other Mdspon	5	760.00	3,800.00
Network/Access Costs	PD-MOUNT-OD Otdr Midspan Mount Kit	5	135.00	675.00
Network/Access Costs	AP 270-MNT-VS AP-270 Series Outdoor Pole/Wall Short Mount Kit	20	125.00	2,500.00
Network/Access Costs	Aruba 1Y FC 24x7 License PEF Cn SVC	821	10.00	8,210.00
Network/Access Costs	Aruba 1Y FC NBD Exch AW DL360 PRO SVC	1	6,019.00	6,019.00
Professional Services	Network Consultant - Implementation Support of outdoor Access Points	20	1,200.00	24,000.00
Professional Services	Network Consultant - Implementation Support for Wireless Consulting	4	1,200.00	4,800.00
Professional Services	Network Consultant - Configuration, mounting, and knowledge transfer	10	1,200.00	12,000.00
Professional Services	Network Consultant - AW Appliance Installation and configuration including map creation.	5	1,200.00	6,000.00
Professional Services	Network Consultant - CP Appliance installation and integration to WLAN	7	1,200.00	8,400.00
Professional Services	Network Consultant - Knowledge transfer on day to day operatio	2	1,200.00	2,400.00
Professional Services	Project Management Fees	3	1,200.00	3,600.00
Connections/Components	2M 10GB Duplex MMF Patch Cable Aqua	38	17.00	646.00
Connections/Components	Cisco FlexStack 3m stacking cable	9	104.00	936.00
Connections/Components	2M (6-ft.) 10Gb Duplex MMF 50/125 OM3 LSZH Patch Cable (LC/SC) - Aqua	40	15.00	600.00
Professional Services	Enterprise network consultant - MS Switch upgrade	268	185.00	49,580.00

School Connectivity

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	3M Type 2 Stacking Cable	3	156.00	468.00
Connections/Components	Cisco FlexStack 3m stacking cable	21	104.00	2,184.00
Connections/Components	Cisco Bladeswitch 3M stack cable	1	156.00	156.00
Connections/Components	5-ft. Cat6 Gigabit Snagless Molded Patch Cable (RJ45 M/M) - Blue	26	3.00	78.00
Connections/Components	10M (33-ft.) Duplex MMF 62.5/125 Patch Cable (LC/LC)	2	20.00	40.00
Professional Services	Enterprise Network Consultant - WiFi Switches	183	185.00	33,855.00
Connections/Components	1 U horizontal wire manager	44	33.00	1,452.00
Connections/Components	1-meter Cat 6 patch cable	814	6.00	4,884.00
Connections/Components	HS Fiber Optic Cabling Homeruns Labor / install	243	90.00	21,870.00
Connections/Components	6 Port LC/MM Module	10	70.00	700.00
Connections/Components	24 Port LC/MM Module	3	135.00	405.00
Connections/Components	1 U rack mounted fiber tray	9	170.00	1,530.00
Connections/Components	2 U rack mouinted fiber tray	1	240.00	240.00
Connections/Components	LC/MM connectors	127	15.00	1,905.00
Connections/Components	Elementary Fiber Cabling Labor/Install	122	90.00	10,980.00
Connections/Components	Aqua/armored/plenum/OM3/MM/6 strand	2,500	2.25	5,625.00
Connections/Components	12 Port LC/MM Module	11	70.00	770.00
Connections/Components	1 U rack mounted fiber tray	10	170.00	1,700.00
Connections/Components	LC/MM connectors	87	15.00	1,305.00
Professional Services	Project Management Fees (Park East)	1	71,464.00	71,464.00
Connections/Components	Aqua/armored/plenum/OM3/MM/6 starnd	6,700	2.25	15,075.00
Network/Access Costs	Aruba 7220 Wireless Controller	2	14,339.27	28,678.54
Network/Access Costs	PC AC NA AC Power Cord	6	5.00	30.00
Network/Access Costs	Aruba 515 Unifed AP	821	535.96	440,023.16
Network/Access Costs	Aruba AP-367 Outdoor AP	20	777.00	15,540.00
Network/Access Costs	10Gbase SR SFP Module HS Network Upgrade	38	548.00	20,824.00
Network/Access Costs	Catalyst 2960-X FlexStack Plus Stacking Module	29	621.00	18,009.00
Network/Access Costs	Cisco Catalyst 3650 Stack Module	15	858.00	12,870.00

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base K12	29	4,158.00	120,582.00
Network/Access Costs	Cisco Catalyst 3650 48 Port Full PoE 2x10G LAN Base K12	15	5,252.00	78,780.00
Network/Access Costs	10GBASE-LR SFP Module, Enterprise-Class	6	988.00	5,928.00
Network/Access Costs	10GBASE-SR SFP Module, Enterprise-Class	40	338.00	13,520.00
Network/Access Costs	APC Smart-UPS 1kW - 1440VA with APC SmartConnect	7	720.80	5,045.60
Network/Access Costs	Catalyst 2960-X FlexStack Plus Stacking Module	26	621.00	16,146.00
Network/Access Costs	Catalyst 2960-X FlexStack Plus Stacking Module optional	1	621.00	621.00
Network/Access Costs	Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base K12	26	4,158.00	108,108.00
Network/Access Costs	1000BASE-T SFP transceiver module for Category 5 copper wire	52	205.00	10,660.00
Network/Access Costs	APC Smart-UPS 1500LCD 1kW - 1440 with APC Smart Connect	3	517.89	1,553.67
Network/Access Costs	Aruba Airwave DL360 Hardware appliance	1	11,874.00	11,874.00
Network/Access Costs	Aruba Clearpass 5K DL20 hardware Appliance	1	8,438.00	8,438.00
		14,158	**224,415.61**	**1,333,639**

11. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	7,661	337	7,998.00	4.21

12. Total Public Budget - Loanable (Counts toward the nonpublic loan calculation)

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	(No Response)	0.00	0.00
School Internal Connections and Components	(No Response)	0.00	0.00
Other	(No Response)	0.00	0.00
Totals:	**0.00**	**0**	**0**

13. Total Public Budget – Non-Loanable (Does not count toward the nonpublic loan calculation)

	Sub-Allocation
Network/Access Costs	964,204.97
Outside Plant Costs	0.00
School Internal Connections and Components	73,621.19
Professional Services	295,813.00
Testing	(No Response)
Other Upfront Costs	0.00
Other Costs	(No Response)
Totals:	**1,333,639.16**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	1,333,639.16
Totals:	**1,333,639**

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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

7. 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:	**0.00**

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.

(No Response)

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). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	0.00	(No Response)	(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.

(No Response)

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.

(No Response)

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?")
In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.

(No Response)

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.

(No Response)

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."

(No Response)

9. Districts must contact one of the SUNY/CUNY teacher preparation programs listed on the document on the left side of the page 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.

(No Response)

9b. Enter the primary Institution phone number.

(No Response)

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.

(No Response)

10. 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.

11. 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.

12. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

13. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	7,661	337	7,998.00	4.21

14. If you are submitting an allocation for Classroom Learning Technology complete this table.

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	(No Response)	0.00	0.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	(No Response)	0.00	0.00
Laptop Computers	(No Response)	0.00	0.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	(No Response)	0.00	0.00
Totals:	**0.00**	**0**	**0**

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 new 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. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

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)	0.00
		0	**0.00**	**0**

6. **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:	**0.00**

Replace Transportable Classrooms

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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

5. 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:	**0.00**

High-Tech Security Features

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

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. Was your project deemed eligible for streamlined Review?

- ☐ Yes
- ☐ No

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

Name	License Number
(No Response)	(No Response)

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

6. If you have made an allocation for High-Tech Security Features, complete this table.
Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	**0.00**

1. Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.

(No Response)

2. 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.

2a. Please enter the date each year nonpublic schools must request loanable items from the school district. This date cannot be earlier than June 1 of the previous school year.

(No Response)

3. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	7,661	337	7,998.00	4.21

4. Nonpublic Loan Calculator

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	0.00	0.00		0.00	241.34	241.34	0.00	0.00
Final Adjusted Loan - (If additional loan funds)	0.00	0.00	(No Response)	0.00	241.34	241.34	0.00	0.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	241.34	81,331.58
This Plan	0.00	0.00
Total	241.34	81,331.58

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
EMANUEL LUTHERAN CHURCH SCHOOL	61	Yes
HOLY ANGELS REGIONAL SCHOOL	186	No

7. Please detail the type, quantity and per unit cost of the eligible items under each sub-category.

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	**0.00**	**0**