Smart Schools Investment Plan - First Submission

SSIP Overview

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Group 1

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

Daniel Friedman

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

516-733-2170

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

dfriedman@hicksvillepublicschools.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.

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5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

Hicksville-Schools-Smart-Schools-Presentation-February 2017.pdf
Hicksville-Preliminary-SSIP.pdf

5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

(No Response)

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.

5,300

7. An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.

☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

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

(No Response)

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

$1,575,321

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	478,431
Connectivity Projects for Communities	0
Classroom Technology	589,952
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	262,913
Totals:	**1,331,296**

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Group 1

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

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

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

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

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

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

The District's data network is a Cisco-based system and follows a star topography. We are currently utilizing over 50 switches to move data throughout the WAN (wide area network). Additional switches (Cisco 2960x 48 Port PoE) have been added or installed as replacements. This was done during the addition of IP security cameras and secondary wireless access points. All of these switches have been installed with 10G fiber optics. The District is proposing the purchase of additional network switches to support wireless infrastructure at the districts school buildings.

All district buildings are connected by a fiber optic wide area network (WAN). This network is owned and operated by the district and maintained, through Nassau BOCES, by LightTower, a regional fiber optic provider. The network is isolated from the commercial internet and all data traveling over it is maintained by the district.

As part of a normal product life cycle, all three of the district's main network distribution switches reached the end-of-life status in July 2015. The district replaced the core Cisco 6500 series network switch in Fall of 2013 as part of a Capital Reserve project. One of two Cisco 4500 series network switches were replaced as part of the 2014-15 school budget. The remaining Cisco 4500 series network switch was replaced as part of the 2015-2016 school budget.

Internet traffic and file storage represent a portion of our total network traffic. As main network switches are upgraded, network throughput was increased from 1G to a minimum of 10G. The Cisco core 6500 switch is capable of 40G should the district require this extreme level of throughput. This increased network capacity will facilitate the bandwidth requirements of additional mobile devices, IP surveillance cameras and delivery of media-rich instructional resources.

The Internet content filter was funded through the 2015-2016 Technology Reserve. Our content filter is CIPA (Children's Internet Protection Act) compliant and provides the district with the ability to filter district owned devices both on and off campus. The content filter also provides the ability to give visitors and community members "guest" access to our wireless network.

Upgrade of the districts Firewall will be required for two specific purposes. First and foremost, the frequent occurrence of malicious attacks has been occuring. Cryptolockers and other similar present an increased threat to the district. A modern Firewall will offer a better level of protection. Additional throughput of network traffic, which will result from an increase in bandwidth, will render our current Firewall obsolete.

A series of Hewlett-Packard servers and Dell SANs (storage area networks) provide for the centralization of most major District applications and file storage. Servers are centralized in the District's NOC (network operations center) as part of a prior server virtualization project. The district is also seeking to co-locate servers at a second location to ensure quality of service across the district. This will provide for both off-site backup capabilities and high-availability of critical systems.

The district currently maintains a 500 Mbps connection the commercial internet. As per above, capacity is in place to accommodate significantly higher speeds as needed.

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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	5,213	521,300	521	500	500	7/1/17

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

Through the use of technology, the district provides for learner-centered environments to meet the diverse needs of our students and faculty. The district utilizes technological resources to stimulate, nurture, and develop the unique potential and character of each student and teacher. Our vision is for students and staff to have broad access to the technology tools and skills to effectively use them in their daily learning routines.

All seven elementary schools within the school district have two wireless access points apiece. They are physically attached to mobile iPad carts and are plugged in to a network port when they're needed. In order to build equity across the district, it is recommended that we **install approximately 262 wireless access points**. This figure accounts for a WAP in every classroom and multiple WAP's in large gathering areas. This would provide the same level of coverage as the secondary buildings.

Hicksville Middle School has a majority of instructional space covered and wireless access. The **installation of 15 additional wireless access points** is required to ensure that all instructional spaces are covered.

Currently, Hicksville High School has a full coverage wireless network. Access points are available in every classroom and multiple access points are available in large meeting spaces (cafeteria, gymnasium). No additional coverage is required at this time.

Further, to connect these additional wireless access points, the district will need to purchase approximately **41 network switches** capable of 10GB of throughput and, in some situations will include stacking modules to connect multiple switches.

4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)

The technology goals of the Hicksville Public Schools are in consort with the goals of the Board of Education. The following are two specific goals which link the proposed projects to our instructional goals.

- Technology tools will be used to foster meaningful connections between students, teachers, and parents as it relates to our curriculum, the New York State and Common Core Learning Standards.
- Teachers and students will have access to technological resources such as computers iPads and other internet-enabled devices, SMART Boards (classroom interactivity), document cameras, digital cameras, etc.

The district has successfully managed one-to-one initiatives using iPads and Chromebook's, in our secondary schools, for almost five years. As the district learned from these previous deployments, it is essential to have wireless infrastructure in place prior to adding mobile devices. Wireless devices, just as desktop computers, provide students and staff with online access to a wide variety of instructional resources. The proposed additions of network switches and wireless access points will facilitate full-scale wireless coverage across the district. Specifically to our elementary schools where access is very limited. Further, with the addition of network access controls, the district will be able to provide safe and secure wireless access to community organizations using the district buildings. By installing network switches capable of 10 Gb of throughput and wireless access points running the A/C protocols we are ensuring robust connectivity every classroom and learning space across the district.

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5. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

The district has every intention of providing students and staff with access to the Internet on wireless devices. Beginning in 2012-2013 school year and as a direct result of a Strengthening Teacher Leader Effectiveness grant from the New York State Board of Education, the district embarked on one-to-one initiative for middle school students. The rollout began with 6th grade students and expanded to include 7th and 8th grade students in subsequent years. Further, Chromebook's were assigned, on a one-to-one basis, to all high school freshman beginning in 2015-2016 school year. This rollout will continue until all 6th through 12th grade students have one-to-one devices.
At the onset of this one-to-one initiative, 15 wireless access points were purchased each year and placed the middle school classrooms of core subject areas. Not having sufficient wireless infrastructure in place was challenging to the success of this initiative. In contrast, prior to deploying Chromebook's at the high school, over 200 access points were installed ensuring coverage in all corners of the building. This met with more immediate success at markedly fewer technical issues were experienced.
It is from these experiences that the district has learned to deploy robust Wi-Fi prior to the rollout of mobile devices. This Smart Schools project will specifically be used to purchase network switches and wireless access points for all seven district elementary schools. Access points will be installed in every classroom and multiple access points will be installed in large gathering areas (cafeteria, gymnasium).

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
28-05-17-03-7-999-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
John Grillo	(No Response)

9. If you are submitting an allocation for School Connectivity complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

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	Sub-Allocation
Network/Access Costs	48,282
Outside Plant Costs	0
School Internal Connections and Components	301,074
Professional Services	96,250
Testing	0
Other Upfront Costs	32,825
Other Costs	0
Totals:	**478,431**

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
Connections/Components	Cisco 48 port Network Switches (Non E-Rate Portion)	42	3,678	77,238
Connections/Components	Cisco 10GB Gbic modules (Non E-Rate Portion)	104	299	15,548
Connections/Components	Cisco Stacking Modules (Non E-Rate Portion)	40	510	10,200
Connections/Components	Wireless Access Points (Non E-Rate Portion)	277	610	133,237
Other Upfront Costs	Permenant Licensing for Wireless (Non E-Rate Portion)	300	69	10,350
Network/Access Costs	Network Access Control Hardware (Non E-Rate Portion)	1	27,282	27,282
Network/Access Costs	Network Access Control Licensing	1	21,000	21,000
Connections/Components	Firewall Hardware (Non E-Rate Portion)	3	41,397	64,851
Other Upfront Costs	Firewall License (Non E-Rate Portion)	3	22,874	11,437
Other Upfront Costs	Network Access Control Service	1	11,038	11,038
Professional Services	Installation of Wireless Access Points	277	350	96,250

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.

Community Connectivity (Broadband and Wireless)

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

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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.
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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.

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All district buildings are connected by a fiber optic wide area network (WAN). This network is owned and operated by the district and maintained, through Nassau BOCES, by LightTower, a regional fiber optic provider. The network is isolated from the commercial internet and all data traveling over it is maintained by the district.
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☐ 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)

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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.

More detail about how the district will accomplish the build-out of our wireless network can be found in the School Connectivity section of this Smart Schools Investment Plan.

Through the use of technology, the district provides for learner-centered environments to meet the diverse needs of our students and faculty. The district utilizes technological resources to stimulate, nurture, and develop the unique potential and character of each student and teacher. Our vision is for students and staff to have broad access to the technology tools and skills to effectively use them in their daily learning routines.

All seven elementary schools within the school district have two wireless access points apiece. They are physically attached to mobile iPad carts and are plugged in to a network port when they're needed. In order to build equity across the district, it is recommended that we **install approximately 262 wireless access points**. This figure accounts for a WAP in every classroom and multiple WAP's in large gathering areas. This would provide the same level of coverage as the secondary buildings.

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Further, to connect these additional wireless access points, the district will need to purchase approximately **41 network switches** capable of 10GB of throughput and, in some situations will include stacking modules to connect multiple switches.

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.

Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

☑ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

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

The district has invested in the purchase and installation of interactive white boards since 2006. In that time, over 250 have been installed in classrooms and other learning spaces. Electricity has already been installed in all locations by licensed electricians including a district employee. All walls and ceilings that are used for installation are lead and asbestos free. The district began purchasing Brightlink Interactive Projectors manufactured by Epson. A committee of teachers and administrators review multiple solutions and unanimously decided on the Epson solution. Teachers were pleased that the devices are compatible with software that they are used to using. Training for teachers is provided on a one to one basis with the Director of Technology. Additions and replacements will take place as follows:

- 46 Brightlink Interactive Projectors to be installed in classrooms that have never had one. This includes classrooms using portable solutions. Additional electric will be installed by the districts licensed electrician. Installation of the boards will be done by an outside contractor.
- 110 Brightlink Interactive Projectors to replace older, worn out hardware. As electric is already in place, installation of the boards will be done by an outside contractor.
- 9 additional, portable projectors will also be purchased.

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?"

As the district has already invested in one to one initiatives and has a long term plan using the BOCES lease/purchase program. Classroom technology investments will focus on interactive white boards.

The Smart Schools Bond Act Investment Plan funding request for new and replacement interactive whiteboards, will provide an improved ability to enhance differentiated instruction which will benefit teachers and students in those classrooms, especially those with disabilities or limited English language proficiency. The district has targeted instruction toward our ENL learners and interactive technology is essential to the success of these programs. The improved technology of the new equipment provides a clearer, brighter, and more colorful image which will enhance multimedia presentations, interactive demonstrations, and Web-based resources. The enhanced brightness will allow teachers to leave the classroom lights on without washing out the image.

Existing computer and software programs will continue to operate with the new displays, leveraging our investments in hardware, software, and professional development. The new equipment will allow for video conferencing, a service the district uses through our local BOCES. This helps teachers bring the outside world directly into their classrooms.

7. Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.

The focus of this particular technology is primarily targeted at classroom instruction and learning and does not, on its own, enhance parental communication. However, the district has trained teachers on the creation of instructional videos using interactive whiteboards. These videos help parents to work with their children at home on challenging topics. These additional interactive whiteboards will facilitate this initiative.

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

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

Professional development is crucial to the success of any educational technology initiative. To that end, our goal is to maintain a rigorous program of training for both new technologies as well as maximizing the potential of prior investments.

It is the goal of Hicksville Public Schools to continue to implement a program of staff development that is designed to assist staff to maximize student potential, focus on success for all students and facilitate the implementation of the current NYS Teaching Standards and new Common Core Learning Standards." (Hicksville Public Schools Staff Development Plan 2011-16)

Our professional development focuses on an on-going program with the following goals:

- To provide training to ensure that the professional staff has the support needed to use educational technology to deliver and support instruction.
- To provide opportunities for all staff to enhance their educational technology knowledge and skills.
- To provide educators with access to professional development in the use of educational technology in order to prepare them to help students achieve college and career readiness it is.

The Hicksville Public Schools has contracted with BOCES Model Schools program for thirty days of professional development and expects to continue this arrangement through the life of this plan. Available topics include but are not limited to: Google Earth, SMARTBoard, SMARTResponse, PowerPoint, EXCEL, Multimedia, and iPad training.

The District Director of Technology regularly provides professional development to teachers in individual, small group in large group settings. Teachers have been trained to record lessons and edit video using Camtasia and SMART Notebook. Further, teachers have received extensive training on using Google Apps for Education including Google classroom.

Additionally, the district provides monthly after school professional development opportunities, September through May, and two Superintendent Conference days in which technology may be presented. These trainings are conducted by district administrators, BOCES trainers and outside contractors.

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.

Queens College

9b. Enter the primary Institution phone number.

718-997-5220

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.

Craig Michaels - Dean of Education

10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

Are there nonpublic schools within your school district?

☑ Yes
☐ No

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10a. Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district's nonpublic per-student loan amount calculated below, within the framework of the guidance. Please enter the date by which nonpublic schools must request classroom technology items. Also, specify in your response the devices that the nonpublic schools have requested, as well as in the in the Budget and the Expenditure Table at the end of the page.

There are five non-public schools with BEDS enrollment data listed within our district boundaries. Their total enrollment is 1,940 students. The Hicksville Public Schools enrollment from 2014-15 BEDS data is 5,210. The combined public and non-public enrollment within our geographic boundary is 7,150. We plan to spend $463,650 on classroom technology, our portion of which we will use to purchase new interactive whiteboards. Dividing this number by the total enrollment yields a per student allocation of $64.85. Multiplying this per student allocation by 1,940 non-public students yields $125,802. Adding this amount to the $463,650 we plan to spend on the interactive whiteboards for our district equals the $589,452 classroom technology allocation requested in this Smart Schools Bond Act Investment Plan. The non-public schools will be able to select the classroom technology that best meets their needs up to their per pupil allocation basis. As of this date, our non-publics have not decided on the classroom technology they wish to select. The non-public schools and the district will agree upon a date by which they must request the devices annually. We will purchase this technology for them after that date once those items receive NYSED approval, and loan them to their schools up to the $125,802 total non-public allocation.

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	463,650	5,210	1,940	7,150	65	125,802

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.

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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	364,650
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	225,302
Totals:	**589,952**

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	Epson Brightlink Projectors with boards and speakers	156	2,300	358,800
Other Costs	Portable Digital Projectors	9	650	5,850
Other Costs	Installation of Projectors and Boards	165	600	99,000

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.

Pre-Kindergarten Classrooms

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)

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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 district currently has established practices, procedures and systems to account for visitor management at all school buildings. However, they currently allow a visitor to enter the building prior to being identified and establishing the purpose of their visit. These systems include security cameras, card swipe access and remote unlocking. We are seeking to harden the entry doors against unwanted or violent entrance.

The district is seeking to install “man-traps,” a double door single person access control space. This will allow visitors to show identification, state the purpose of their visit, and receive a temporary visitor pass all prior to entering the building. Installation will include minor alterations to the entryway of school buildings as well as the installation of cameras, card swipes and self-service visitor management systems.

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
28-05-17-03-7-999-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
John Grillo	(No Response)

5. If you have made an allocation for High-Tech Security Features, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

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	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	122,913
Approved Door Hardening Project	140,000
Other Costs	(No Response)
Totals:	**262,913**

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
Approved Door Hardening Project	Doors, Glass Protection, locks and dividers	7	20,000	140,000
Entry Control System	Burns - Cameras, Cardswipes, door strikes, installation and configuration	1	13,725	13,725
Entry Control System	Dutch - Cameras, Cardswipes, door strikes, installation and configuration	1	14,345	14,345
Entry Control System	Fork - Cameras, Cardswipes, door strikes, installation and configuration	1	13,725	13,725
Entry Control System	Lee - Cameras, Cardswipes, door strikes, installation and configuration	1	13,725	13,725
Entry Control System	OCR - Cameras, Cardswipes, door strikes, installation and configuration	1	13,725	13,725
Entry Control System	Woodland - Cameras, Cardswipes, door strikes, installation and configuration	1	13,725	13,725
Entry Control System	High School - Cameras, Cardswipes, door strikes, installation and configuration	1	14,535	14,535