Smart Schools Investment Plan - 2016-17 Version (Original) - KPCSD_2017

SSIP Overview

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

   Timothy T. Eagen, Ed.D.

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

   631-269-3310

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

   eagent@kpcsd.org

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

   First submission

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

   ☑ District Educational Technology Plan Submitted to SED and Approved

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

   ☑ Parents
   ☑ Teachers
   ☑ Students
   ☑ Community members

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

   ☐ Yes
   ☐ No
   ☑ N/A

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

   ☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
   ☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
   ☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
   ☑ The district prepared a final plan for school board approval and such plan has been approved by the school board.
   ☑ The final proposed plan that has been submitted has been posted on the district's website.

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

KPCSD 2017 SSIP 7-12-17.pdf

CAT6 Cabling Upgrade Additional Back-up for KPHS.pdf

KPCSD 2017 SSIP Supporting Materials p 24-28.pdf

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

http://www.kpcsd.k12.ny.us/documents.cfm?id=1802

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

4,007

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:**

$1,454,202

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	912,862
Connectivity Projects for Communities	0
Classroom Technology	400,500
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	140,840
Totals:	**1,454,202**

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School Connectivity

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1. **In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:**
   - **sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or**
   - **is a planned use of a portion of Smart Schools Bond Act funds, or**
   - **is under development through another funding source.**

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

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

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

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

   For September 2017, our enrollment is projected to be 3,171 (reference: WS BOCES Long Range Planning Study and Kindergarten projections). As such, our plan calls for 350 Mbps so that we exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. We plan to accomplish this important goal with broadband and infrastructure upgrades, including the addition of a second redundant broadband connection, the installation of high speed cabling and replacing existing switches.

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

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

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

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	3,171	317,100	317	150	350	January 1, 2018

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

Currently the Kings Park School District has a legacy infrastructure which is incapable of supporting the required bandwidth for Smart Schools Bond requirements. We plan on updating the district internet speed to 350 Mbps by January 1, 2018 and provide each classroom throughout the district high speed internet access as well as wireless connectivity.   This will require the following:
• New redundant broadband pipe (200 Mbps) to bring our capacity to 350 Mbps (funding not included in the SSIP).
• *Two new Sonicwall (fire walls) to support our two broadband pipes.
• *Three new servers - see details below.
• *Upgrades to existing wiring (CAT5 to CAT 6 upgrade) at high school.
• *District-wide Aruba wireless solution/routers and wiring.
• *New Cisco switches throughout the districts.
Our system will incorporate adequate redundancy in design and function.
Lastly, the district intends to purchase 1 Cybernetic SAN (iSAN-1224) and two PowerEdge R730 (dellstar 1356) servers. Our current server is end-of-life and no longer supported. The new server will give us more storage space and support the applications that we intend to install and implement in our Technology Plan.
    *Note: For details, see pages 24-26 in document saved in 5a of SSIP Overview Section.

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?)**

In today's society, high speed broadband connections are essential. High speed Internet enhances every level of education from kindergarten through high school. Virtually every classroom and curriculum will benefit from the use of dynamic and interactive Internet applications. The majority of our Smart Schools allocation will be spent on school connectivity. We will be able to provide our students with mobile device technology, additional interactive whiteboard technology, virtual field trips, two-way interactive video conferencing, study groups and distance learning opportunities. These educational resources will give our students the opportunity to learn critical skills that they will need to compete and lead in today's workforce. In addition, our instructional/professional development focus for the coming year is, "Navigating my personalized learning path" Thus, our SSIP, Technology Plan, and Professional Development Plan are all aligned.
The district intends to purchase 1 Cybernetic SAN (iSAN-1224) and two PowerEdge R730 (dellstar 1356) servers. Our current server is end-of-life and no longer supported. The new server will give us more storage space and support the applications that we intend to install and implement in our Technology Plan.

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.

For September 2017, our enrollment is projected to be 3,171 (reference: WS BOCES Long Range Planning Study). As stated previously, our plan calls for 350 Mbps (for January 1, 2018) so that we meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. We plan to accomplish this important goal with infrastructure upgrades, including the installation of high speed cabling and upgrades to switches. We have consulted with local area technology companies and other resources (i.e. Internet providers, local experts in the field, BOCES, CORE BTS, LICN and Custom Computers) to ensure that the wireless system is robust and capable of sustaining this bandwidth.

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.

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Project Number
58-08-05-06-7-999-0003
58-08-05-06-7-999-SB1

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
Saverio J. Belfiore	33063

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.

	Sub-Allocation
Network/Access Costs	400,745
Outside Plant Costs	0
School Internal Connections and Components	487,304
Professional Services	24,813
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	**912,862**

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

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Professional Services	Architectural Fees (H2M)	1	24,813	24,813
Connections/Components	4b - Whiteboard installation and wiring	50	400	20,000
Network/Access Costs	Cybernetic iSCSI SAN 1000	1	49,876	49,876
Network/Access Costs	PowerEdge R730 - dellstar_1356	2	12,600	25,200
Connections/Components	Install for SAN and Poweredge	1	12,000	12,000
Network/Access Costs	4b - District-wide Wireless - JW813A Aruba Instant IAP-31	46	458	21,054
Network/Access Costs	4b - District-wide Wireless JW744A Aruba 7210 (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	2	7,818	15,636
Connections/Components	4b - District-wide Wireless - JW091A SFP-10GE-SR 10GBASE-SR SFP+ Transceiver	4	573	2,291
Network/Access Costs	4b - District-wide Wireless - JX946A Aruba Instant IAP-305	346	320	110,616
Connections/Components	4b - District-wide Wireless - JW124A PC-AC-NA North America AC Power Cord	2	2	4
Connections/Components	4b - District-wide Wireless - Aruba 2930F 24G Switch Installation	4	3,000	12,000
Connections/Components	4b - District-wide Wireless - Wiring/patch panels in 6 bldgs. for Aruba access points and switches	1	230,568	230,568
Network/Access Costs	4b - District-wide Wireless - Cisco Catalyst 4500-X - switch - 16 ports - rack-mountable (or equivalent)	2	11,100	22,200
Network/Access Costs	4b - District-wide Wireless - Cisco Front-to-Back Cooling - power supply - hot-plug / redundant - 750 Wat (or equivalent)	2	1,469	2,939
Network/Access Costs	4b - District-wide Wireless - Cisco Catalyst 3850-48P-E - switch - 48 ports - managed - rack-mountable (or equivalent)	2	12,916	25,831
Network/Access Costs	4b - District-wide Wireless - Cisco Catalyst 2960X-48FPD-L 48-Port Gigabit Ethernet Switch (or equivalent)	25	4,130	103,250

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	4b - District-wide Wireless - Cisco Catalyst 2960X-24PS-L 24 ports - managed - rack mountable (or equivalent)	3	1,651	4,953
Connections/Components	4b - District-wide Wireless - Cisco SFP-10G-LR= SFP+ Transceiver Module (or equivalent)	21	2,771	58,192
Connections/Components	4b - District-wide Wireless - Cisco SFP-1G-SX= SFP Transceiver Module (or equivalent)	21	175	3,675
Connections/Components	4b - District-wide Wireless - Cisco switches installation	1	25,000	25,000
Network/Access Costs	4a - Dell SonicWall NSA 5600	1	8,796	8,796
Network/Access Costs	4a - Dell SonicWALL NSA 5600 High Availability (HA) Unit	1	6,158	6,158
Connections/Components	4a - Upgraded firewall installation of above 2 units	1	7,000	7,000
Connections/Components	4b - Upgrade cabling from CAT5 to CAT6 (patch panel and OM3 fiber between closets)	1	36,115	36,115
Connections/Components	4b - Upgrade cabling from CAT5 to CAT6 (labor to install aboce)	1	80,459	80,459
Network/Access Costs	4b - District-wide Wireless - JL253A Aruba 2930F 24G 4SFP+ Switch	2	1,485	2,970
Network/Access Costs	4b - District-wide Wireless - H1XU6E HPE 3Y FC 4H Exch Aruba2930F24G4SFP	2	633	1,266

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Community Connectivity (Broadband and Wireless)

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

    (No Response)

2. **Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.**

    (No Response)

3. **Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).**

    ☐   I certify that we will comply with all the necessary local building codes and regulations.

4. **Please describe the physical location of the proposed investment.**

    (No Response)

5. **Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.**

Project Partners	Federal ID #
(No Response)	(No Response)

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

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**0**

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

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Community Connectivity (Broadband and Wireless)

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

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Classroom Learning Technology

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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.

   For September 2017, our enrollment is projected to be 3,171 (reference: WS BOCES Long Range Planning Study). As such, our plan calls for 350 Mbps so that we exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. We plan to accomplish this important goal with infrastructure upgrades, including the installation of high speed cabling and hardware upgrades, and upgrades to our network. We continue to consult with local area technology companies (i.e. CORE BTS, LICN and Custom Computers) and local area experts to ensure that our wired and wireless systems are robust and capable of sustaining this bandwidth in each school. We have also been working with BOCES to ensure that the signal that we receive is robust enough to support this. We are currently operating at 150 Mbps but plan on getting to 350 Mbps by January 1, 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)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	3,171	317,100	317	150	350	January 1, 2018

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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.

   For September 2017, our enrollment is projected to be 3,171 (reference: WS BOCES Long Range Planning Study). As such, our plan calls for 350 Mbps so that we meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. We plan to accomplish this important goal with infrastructure upgrades, including the installation of high speed cabling, wireless access points, and upgrades to our network. We continue to consult with local area technology companies (i.e. CORE BTS, LICN and Custom Computers) to ensure that our wired and wireless systems are robust and capable of sustaining this bandwidth in each school. They will help us to map each school to ensure that we have wireless access points installed in the correct locations to allow for uniform and uninterrupted access in all of our schools. We have also been working with BOCES to ensure that the signal that we receive is robust enough to support this. We are currently operating at 150 Mbps but plan on getting to 350 Mbps by January 1, 2018.

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.**

   We intend to purchase eleven (11) mobile carts that contain 30 devices, an access point, and a printer and 30 additional devices (360 total). The hardware will be mobile touch-screen devices. We also intend to purchase 60 new desktop computers for our middle school computer lab. We currently use Dell desktop computers, and we anticipate purchasing similar devices. Lastly, we plan on purchasing and installing 50 new interactive whiteboards/flat panels district-wide. This interactive whiteboard purchase will be focused on the secondary level and should complete our whiteboard initiative.
   The district has reviewed this plan with H2M, our architects and engineers. We have adequate electricity to support the planned increase in devices.

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?"

   From Section E Curriculum and Instruction in our district's approved Technology Plan: The district plans to utilize digital access and technology to enhance teaching and learning throughout the district allowing students to have instant access to information, resources and activity based learning including research and distant learning. In addition, these enhancements will help with assessing students' performance and differentiating instruction. The students will work collaboratively to design, develop, publish, and present products using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom. The district plans on maintaining the practice of providing appropriate assistive technology for students as needed. We will continue to select and acquire appropriate hardware and software for students with disabilities based upon their IEP (Individual Education Plan). This technology supports differentiated instruction across all subject areas and grade levels.

   The devices that we intend to purchase in this SSIP will benefit all students, while having a magnified benefit for ELLs and students with disabilities. Software and applications will make language and content more accessible for these students and enhance their learning and achievement. For example, several apps are currently available for mobile devices (i.e. Google Translate, Speak & Translate, iTranslate, etc.) that can assist students in translating both oral and written communications and information. Applications like News ELA allow teachers to access news stories on the same topic that are written on various Lexile levels. This allows for differentiation for ELLs and students with disabilities. Lastly, our devices will support online textbooks, Khan Academy, and WolframAlpha. This will allow all students, especially ELLs and students with disabilities (and their teachers), to access the curriculum and search for information and resources. Lastly, these devices will allow for the implementation of the students' program modifications and test accommodations.

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.**

   Wireless access to our computer network in our schools will increase communication with stakeholders because teachers and students will now have internet access 100% of the time from both district and personal (BYOD) devices. Students and teachers will be able to access the eSchool Parent Portal and website for quick posting and viewing of data and materials. The devices will also assist our credit and learning recovery program by allowing for faster access of instructional materials and enhanced distance learning opportunities.

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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."

From Section F Professional Development in our district's approved Technology Plan: A coordinated, on-going program will be put in place to support the staff development initiatives already underway in the district. This will insure that staff can effectively use the technology and integrate its use into their curriculum and instruction. Staff development starts with basic computer operations, tools and network navigation. Staff development is and will continue to be available through BOCES Model Schools Program. All staff development will be focused on integrating technology while accommodating the diverse abilities of the staff. These offerings will be provided both on-site and off-site, and via computer-based training materials, interactive video conferencing and distance learning. We recently updated our Professional Development plan to ensure alignment with the technology plan for the 2017 - 2018 school year. This plan is updated on an annual basis.

Specific current topics that are offered to staff to support our technology initiative include:
- Google Classroom (teachers and administrators)
- SmartBoard training
- Training with clicker and mobile devices that integrate into Smart Notebook software
- Specific hands-on training and support with existing mobile devices (Chromebooks)
- Integrating technology into the music classroom (i.e. the app Remind and Remind Me for music lessons schedules)
- Training on feedback apps like Quizlet and Kahoot! (via BOCES trainer)
- Dash and Dot robot training
- Choreograph software training (Nao Robot)
- Training on 3-D printing technology
- QR Codes and Aurasma (essentially a 3D QR code app)

9. **Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

☑ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

9a. **Please enter the name of the SUNY or CUNY Institution that you contacted.**

SUNY Stony Brook

9b. **Enter the primary Institution phone number.**

(631)632-7783

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.**

Dorit Kaufman

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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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	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	147,500
Computer Servers	0
Desktop Computers	42,600
Laptop Computers	178,200
Tablet Computers	0
Other Costs	32,200
Totals:	**400,500**

Classroom Learning Technology

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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
Desktop Computers	Dell AIO Computers (or similar)	60	710	42,600
Laptop Computers	ACER C738T Chrome Book (or similar)	360	495	178,200
Interactive Whiteboards	Interactive Flat Panel	50	2,950	147,500
Other Costs	Mobile Carts	11	2,399	26,389
Other Costs	Wireless Printer for Carts	11	528	5,811

Pre-Kindergarten Classrooms

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

   (No Response)

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

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

   (No Response)

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

   (No Response)

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

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

Project Number
(No Response)

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

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

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

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Pre-Kindergarten Classrooms

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

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

   (No Response)

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

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

Project Number
(No Response)

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

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

   (No Response)

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

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

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

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

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

   We plan on installing 19 additional external cameras around the district to monitor comings and goings from our buildings and grounds. Our security upgrades also include installing a door buzzer system in each of our five (5) schools, as well as an employee keyless access system (IntraLogic) in all six (6) buildings (five schools plus the administration building). Lastly, we plan on installing exterior strobe lights (IntraLogic) in all five (5) schools. These strobe lights would notify staff and students who are outside of the building of emergency events (using flashing lights and sound). Our quote from IntraLogic calls for 36 strobe lights in all - 6 at FS, 7 at PV, 6 at RJO, 11 at WTR, and 6 at KPHS.

   *Note: Please see pages 27 & 28 in the document saved in 5a of the SSIP Overview Section for additional details on the employee keyless access system and strobe lights (IntraLogic).

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
58-08-06-06-7-999-SB1
58-08-06-06-7-999-003

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
Saverio J. Belfiore	33063

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

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	56,200
Entry Control System	84,640
Approved Door Hardening Project	0
Other Costs	0
Totals:	**140,840**

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.

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High-Tech Security Features

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	3b - Lockdown Strobe Lights (IntraLogic)	36	866	31,200
Electronic Security System	3b - Additional security cameras and wiring	19	1,000	19,000
Entry Control System	3b - Door buzzer system and wiring	5	2,000	10,000
Entry Control System	3a - Main entrance control/access card system (IntraLogic)	6	12,440	74,640
Electronic Security System	3b - Switch (Cisco) for wiring cameras	1	6,000	6,000