Smart Schools Investment Plan - 2016-17 Version (Original) - PCSD 8/2016

SSIP Overview

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

   Thomas Simon

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

   7169336039

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

   tsimon@portville.wnyric.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.**

PCS SSIP final draft.docx

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

www.portville.wnyric.org

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

1,000

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:**

$974,908

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	0
Connectivity Projects for Communities	0
Classroom Technology	546,773
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	**546,773**

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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.

    (No Response)

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

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

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

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

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

    (No Response)

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?)**

    (No Response)

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School Connectivity

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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.

    (No Response)

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
(No Response)

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 Response)

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

Name	License Number
(No Response)	(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.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
School Internal Connections and Components	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	0

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,

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

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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.

   The district already meets this standard, currently we have 1000 Mbps per individual for 1,000 students and staff.

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

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

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

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

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.

   We currently have a robust wireless network that was developed using models that expanded demand based on our hard wired network use. We have a wireless controller (Cisco 5510) which monitors usage constantly and we currently run at 55% usage with ample room to expand in the future.

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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Classroom Learning Technology

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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.**

Portville Central School will replace and/or provide the technology learning equipment and devices for teachers and students within the classroom including interactive displays, laptop computers, desktop computers, and tablet computers, to alignment with the instructional technology plan. These devices are compatible with the current network and wireless system.

Portville Central School will house and equip the Envisioneering Center with technology based fabrication equipment including 3D printers, laser cutters, CNC machines, and a computer controlled sewing machine. Electronics production tools and supplies including test equipment, soldering stations, and a CNC circuit board printer. Bio-Technology equipment including, hydroponics, 3D microscopes, bioclave, thermocycler, monitoring devices. The center will incorporate the relative required auxiliary resources and computer devices required to operate this technology based equipment. These systems are compatible with the current network and wireless system.

Through the work of a team of teachers, content specialists, board members, and administration the Envisioneering Center has been established. The district has done significant capital work to free up space for the center; the capital renovations making this space available happened through public referendum. The spaces being use were previously used for industrial arts including agriculture, welding, metal work, printing, and small engines. The space is adequately powered and ventilated, and includes safety shut offs. The district has budgeted for a fulltime mechanical engineer to serve as the director of this center in addition to budgeting supply and equipment money to maintain the facility. The district will have the director s hours go through the evening to ensure students and community members have substantial access to this center outside the workday. The resources for this project have been developed as part of the general fund budget and is fully supported by the board of education, and was recently approved by the public as part of our annual budget vote. Community participants will be charged for the use of materials and supplies. The Envisioneering Center has come to fruition over a four year period, ensuring stakeholder support and financial commitment from the board and community.

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6.   **Describe how the proposed technology purchases will:**
      > **enhance differentiated instruction;**
      > **expand student learning inside and outside the classroom;**
      > **benefit students with disabilities and English language learners; and**
      > **contribute to the reduction of other learning gaps that have been identified within the district.**

The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"

Portville Central School is on a mission to create a STEAM, maker-centric environment in the community at large. STEAM is an acronym for the fields of study in the categories of science, technology, engineering, arts, and mathematics. Art is integrated into the other fields of study by drawing on design principles and encouraging creative solutions. The Envisioneering Center's environment is intended to be open to the student body as well as the community to collaborate, create, innovate, tinker and make. There are spaces in the Envisoneering Center for ideation and team building. It is intended that users will be able to bring those ideas to life in true maker fashion thanks to the state of the are equipment in Envisioneering Center. These spaces are essential to encourage creative product development, which leads to both employable skills and a higher potential for small business and entrepreneurial endeavors.

Portville Central School, in partnership with Case Western Reserve University think[box], is developing an inspiring STEAM learning environment that offers experiences that will ensure that students and community members have the opportunity to develop technological competencies, as well as the soft skills, needed for productive employment or entrepreneurship.

Through on-line tutorials and direct instruction, Envisioneering Center users will be able to obtain Ability Badges. An electronic and visual Ability Badge will enable users' access to machines and systems within the Envisioneering Center. There will be 5 Access Levels of Ability Badges depending on safety and skill requirements. Certain equipment will require specific training and qualifications to get an ability badge enabled for that equipment. Most equipment will not be accessible without electronically badging in. The Envisoneering Center's on-line tutorial instructions will be available anywhere, at any time at varying levels of sophistication - truly differentiated. It will also be available on every machine/system through an ipad. This will allow users to have the guidance needed available as they use the equipment.

Case Western Reserve University's center for innovation and entrepreneurship is located in a 7-story, 50,000 square foot facility. Case Western Reserve University's think [box] tutorial system was designed by, Professor Malcolm Cooke, Executive Director. That system, with its ability badges will be emulated in the Envisioneering Center with Malcom serving a consultant. The think [box] $35M project is one of the largest university-based innovation centers in the world. By numbers, think[box] receives over 5000 visits each month.

Portville Central School will house and equip the Envisioneering Center with 3D printers, laser cutters, CNC machines, MIG/TIG welding, circuit board printers, 3D microscopes, hydroponics, a sound studio with a mixing boards, drones, green screen technology, advanced video production tools and systems to prepare for this technology. These devices will be used to foster creative thinking and workforce skills that are currently not available to them. The center's users will be taught how to use the computer based machinery and then be mentored through proficiency. After they demonstrate that they are qualified, they will be given Ability Badge access to the level of machinery in which they have demonstrated proficiency. That learning will take place through a system of online learning tutorials. This system will ensure users are qualified to access the equipment with all skills necessary. Tutorials will ensure that efficiency; safety and proficiency objectives have been met. An evidence trail will be created so a user's ability can be substantiated. Learning in the 21st century will require that workers have access to "just in time" learning. The learning comes right at the point they need to know the information. At the Envisioneering Center, an idea to make or build something will not blocked by lack of resources or skills. This type of environment is perfect for students with disabilities and ELL Learners, a place where one size does not meet all, a place where there is a diverse set of opportunities, a place that is accessible, and a place where your talents and interests can come together to build something great. School is too often about conformity, this is a place about diversity, which is well suited for students with special needs and ELL learners. The Portville Envisioneering Center Project will be an open door program to the community. Just as many schools have pools that the community can have access to and enjoy, the school will be open and equipped with mentors to help those in the community access modern technology and learning opportunities. The tutorials created by this project will be required for all who take part at the center. Since all users will not start at the same place, online "just in time" learning will be essential. Creative entrepreneurship will occur as possibilities are opened to anyone who has the drive to diligently pursue an idea. Ultimately, the community and society will benefit as small business start ups and new job opportunities are developed. The online tutorial system will be integrated with a maintenance management database, alerting both users and center staff to the proper care of the

technology in use. It is foreseeable that there will be times when equipment will need to be scheduled for use to prevent conflicts and delays, the online system will allow participants to schedule a time to use particular machines which are in high use.

The center will employ the use of an evaluator with doctoral work in statistics to collect the necessary data needed to both improve instructional modules and track important information needed to replicate this project.

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.**

Portville Central School is open to sharing the resources we have and would happily look at a potential model whereas surrounding schools could benefit from the Envisioneering Center. As part of the centers development there is a space for preparing and sharing. This space will be equipped with telecommunications, including being tied into our local distance learning bridge. This opens up tremendous opportunities share sharing resources and knowledge.

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."

The Center is intended to become a model for other communities to share. The benefit economically to an area will be evidenced by new employment, new businesses   whether they be cottage industries or Main Street stores or a startup of a much larger business down the road. Portville is financially prepared to resource and maintain the equipment, but necessary to the success of the center are the online tutorials. Not every individual has to learn the same thing at the same time. That is the traditional way of schooling. Now it is important to be an independent learner with mentors and facilitators nearby to support and instruct when needed.

Einstein had a physics teacher in high school who told him that there was nothing she could do to instruct him in physics. He already knew more than she did. But she did tell him, I can support you and teach you where to go and how to learn more through investigation and research. The center will take those who already know a lot about a certain area and strengthen them to go forward with their ideas and products.

Of course ultimately teachers, administrators and staff will need to learn aspects of the center's resources. This will come primarily through the online tutorials being developed in partnership with Case Western Reserve. Coupled with the technical knowledge of using the equipment, teachers will need training on project based learning, which is readily available through our local BOCES staff development department.

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.**

   Fredonia

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

   7166733311

   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.**

   Christine Givner

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

   Are there nonpublic schools within your school district?

   ☑ Yes
   ☐ No

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

   The nonpublic school is considering their needs, we have requested an undetermined nonpublic expenditure of $3,750.   These requests, based on District policy, must be submitted to the district by June 1st.

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	546,773	945	15	960	250	3,750

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.**

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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	47,077
Computer Servers	(No Response)
Desktop Computers	117,910
Laptop Computers	48,555
Tablet Computers	27,580
Other Costs	305,651
Totals:	**546,773**

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Epilog Fusion 75 Watt CO2 Laser System 32 with vector grid, rotary attachment and air assist pump	2	36,542	73,084
Other Costs	Roland CAMM-1 GS24 Vinyl Cutter	1	1,995	1,995
Other Costs	VMI Sales Roland 45 degree plotter blades	5	33	165
Other Costs	ShopBot Gantry PRSAlpha 96-48 with automatic tool changer with HSD	1	35,440	35,440
Other Costs	ShopBot CNC Machine Desktop D2418, with spindle kit and full	1	6,915	6,915
Other Costs	Ultimaker 2 Extended+ 3D Printer	3	2,849	8,547
Other Costs	Tormach PCNC 770 Education Package CNC Machine with automatic oiler	1	7,104	7,104
Other Costs	Autel ALTMS908PTPMS**MS908P/MV105/TS401	1	2,504	2,504
Other Costs	Digital Multimeter Zoro G1971304	2	230	460

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Classroom Learning Technology

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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
	1000v			
Other Costs	Virtual Bench (National Instruments)VB-8034, 350MHz4	2	3,500	7,000
Other Costs	Temperature surface probe Lascar EL-WIFI-TP	2	122	244
Other Costs	Mecmesin MultiTest 1-xt Compression/Tension Testing Device	1	10,350	10,350
Other Costs	Makerbot Z18 3D Printer	1	6,500	6,500
Other Costs	Nederman NEX S Extraction Arm 10521332	1	6,698	6,698
Interactive Whiteboards	Promethean 86in 4K 4501388	5	6,889	34,445
Other Costs	Raspberry Pi 1 model V+ Starter	8	90	720
Other Costs	Arduino starter kit	8	88	704
Other Costs	Snap Circuits SC-300 Electronics Discovery Kit	4	69	276
Other Costs	Lilypad Protosnap Developement Board	4	60	240
Other Costs	Lilypad etextile basic lab pack	2	200	400
Other Costs	Lilypad LED Panel	10	24	240
Other Costs	Lilypad Button Board	25	2	50
Other Costs	Lilypad Light Sensor	10	8	80
Other Costs	Lilypad Reed Switch	10	3	30
Other Costs	Lilypad Conductive Thread	2	50	100
Other Costs	Little Bits Pro Library	3	5,000	15,000
Other Costs	Little Bits Workshop Kit	6	1,999	11,994
Other Costs	Little Bits Gizmos and Gadgets	10	200	2,000
Other Costs	Tri Color LED's 5mm rl5-rgb-dca-2	200	1	200
Other Costs	Asst LED Color Lights	600	1	600
Other Costs	LED Display Panel Elation Pro IP 65	1	2,640	2,640
Tablet Computers	iPad Wi-Fi 128GB - silver 10-pack	7	3,940	27,580
Other Costs	IPAD Wall Storage	2	946	1,892
Other Costs	3D Stereo Inspection Microscope Vision Engineering Lynx	1	11,000	11,000
Other Costs	Bluelab Monitor Connect	15	390	5,850
Other Costs	Digital Wall Thermometers	4	104	416

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Digital Soil Thermometers	8	17	136
Other Costs	Digital Relative Humidity Monitor	3	345	1,035
Other Costs	GoPros Hero 4 Camera Kit	5	400	2,000
Other Costs	OpenPCR Thermocycler	1	499	499
Other Costs	Autoclave Bioclave 16 Research 115v 16 liter B4000-16	1	4,100	4,100
Interactive Whiteboards	SPNL-4070 - 70	2	4,800	9,600
Interactive Whiteboards	XSM1U X-Large Fusion Micro-Adjustable Fixed Wall Display Mount	2	266	532
Interactive Whiteboards	IFP300 iRover2 for interactive flat panels (CHIEF PSBUB mount must be ordered separately from CHIEF)	2	1,250	2,500
Desktop Computers	Mac Pro 3.5GHz 6-Core with 12MB of L3 cache	10	2,800	28,000
Other Costs	LG 34 UC87M-B LED Monitor 34	10	730	7,300
Laptop Computers	DELL 3350 Laptop	58	585	33,930
Other Costs	iPad Air 2 Case - Otterbox	24	45	1,080
Other Costs	iPad Air 2 Storage & Charging - ErgoTron Zip 12	4	725	2,900
Laptop Computers	Dell 3350 Laptop	25	585	14,625
Desktop Computers	Dell 7040MFF	30	666	19,980
Other Costs	Dell P2017H	30	95	2,850
Desktop Computers	Dell Otiplex 7040 MFF	105	666	69,930
Other Costs	undetermined nonpublic expenditure	1	3,750	3,750
Other Costs	Janome 1400 CNC Sewing Machine Package	1	6,999	6,999
Other Costs	T Tech ACJ5-60-24 Circuit Board Printer with stand and standard material kit	1	23,128	23,128
Other Costs	Onsrud bits and collets for ShopBot	1	2,298	2,298
Other Costs	ShopBot Indexing head for PRSalpha CNC machine	1	3,075	3,075
Other Costs	ShopBot Vacuum system for PRSalpha CNC machine	1	7,650	7,650
Other Costs	ShopBot 3D Digitizing probe for PRSalpha CNC machine	1	395	395

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Fein Turbo II dust collecting vacuum for ShopBot PRSalpha CNC machine	1	450	450
Other Costs	ShopBot PRS CNC machine shipping with liftgate	1	902	902
Other Costs	ShopBot DT2418 CNC machine shipping	1	350	350
Other Costs	Tormach PCNC machine shipping	1	711	711
Other Costs	Mecmesin Intelligent Loadcell ILC-S for MultiTest 1-xt system	1	1,215	1,215
Other Costs	T Tech compressor for QCJ5 circuit board printer	1	1,421	1,421
Other Costs	T Tech Vacuum System for QCJ5 circuit board printer	1	998	998
Other Costs	T Tech Training for QCJ5 circuit board printer	1	808	808
Other Costs	Roland Vinyl Startup Kit	1	350	350
Other Costs	Full enclosure kit for Tormach PCNC 770	1	2,460	2,460
Other Costs	Machine stand for Tormach PCNC 770	1	1,185	1,185
Other Costs	Machine arm 34668 for Tormach PCNC 770 with full enclosure	1	195	195
Other Costs	Flood Coolant Kit for Tormach PCNC 770	1	185	185
Other Costs	Enclosure Door Switch kit for Tormach PCNC 770	1	99	99
Other Costs	Cable Kit for Tormach PCNC 770	1	40	40
Other Costs	Lifting Bar for Tormach PCNC 770	1	93	93
Other Costs	PathPilot Controller for PCNC 770	1	715	715
Other Costs	Wireless Network Adapter for PathPilot Controller For Tormach PCNC 770	1	14	14
Other Costs	Jog Shuttle for Tormach PCNC 770	1	82	82
Other Costs	Standard LCD monitor for Tormach PCNC 770	1	163	163
Other Costs	Waterproof Mini Keyboard for Tormach PCNC 770	1	40	40
Other Costs	USB Bulkhead Port Assembly for Tormach PCNC 770	1	33	33

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Classroom Learning Technology

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Essential Metalworking Gauge Kit For Tormach PCNC 770	1	205	205
Other Costs	Machinist vise for Tormach PCNC 770	1	495	495
Other Costs	2pc Vise Alignment Keys with Screws for Machinist vise for Tormach PCNC 770	1	14	14
Other Costs	Clamp Kit for 5/8 T-slots for Tormach PCNC 770	1	65	65
Other Costs	TTS CNC Operator Set with Tormach Tool Assistant for Tormach PCNC 770	1	795	795
Other Costs	TTS Touch Tool w/Digital Indicator and Box for Tormach PCNC 770	1	82	82
Other Costs	TTS SuperFly Cutter Kit for Tormach PCNC 770	1	149	149
Other Costs	1/4-90 degree bit for Tormach PCNC 770	1	4	4
Other Costs	1/2-90 degree bot for Tormach PCNC 770	1	10	10
Other Costs	1/16-1/2 Screw Machine Drill Set for Tormach PCNC 770	1	100	100
Other Costs	End Mill Kit for Aluminum #1 for Tormach PCNC 770	1	295	295
Other Costs	End Mill Kit for Steel #1 for Tormach PCNC 770	1	295	295

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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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Replace Transportable Classrooms

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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)

High-Tech Security Features

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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.**

   (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. **Was your project deemed eligible for streamlined Review?**

   ☐ Yes
   ☐ No

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

Name	License Number
(No Response)	(No Response)

5. **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	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(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.

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)