

Smart Schools Investment Plan - APW SSIP 1

SSIP Overview

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

James Heffron

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

315-625-5201

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

jheffron@apw.cnyric.org

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

First submission

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

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

District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.

By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

- Parents
- Teachers
- Students
- Community members

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

- Yes
- No
- N/A

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

- The district developed and the school board approved a preliminary Smart Schools Investment Plan.
- The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
- The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred 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.

APW SSIP Revision 2017.01.12.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.apwschools.org/districtpage.cfm?pageid=363>

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.

1,360

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:

\$2,067,182

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	31,140
Connectivity Projects for Communities	0
Classroom Technology	1,236,989
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
<b>Totals:</b>	<b>1,268,129</b>

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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 currently exceeds the minimum required bandwidth per student, as our current contract with CNYRIC provides 150Mbps. Our student enrollment requires less than 140Mbps.

- 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	1,360	136,000	136	150	(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.

For our wireless connectivity projects we will be upgrading and installing additional HP access points in both APW Elementary and APW JSHS. Upgrading and expanding our wireless access will improve reliability and connectivity throughout the buildings, which will allow for increased application of instructional technology and educational software within our classrooms (e.g. Grade 7 and Grade 8 Social Studies courses will be using an online digital textbook).

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

The expanded school connectivity provided through use of SSBA funds will directly assist the District in meeting the following goals of the ITP:

- 9. Continue to upgrade the network infrastructure, wireless networks, inventory and replacement of hardware through a five year replacement plan
- 10. Maintain consistent reliable access to technology for teachers, students, and staff

By meeting the goals stated above, there will be a positive impact on Curriculum and Instruction by:

- a. providing expanded capability for use of blended learning and inquiry based learning
- b. increased access to and use of digital media and resources (e.g., digital textbook for Gr 7 and 8 Social Studies as mentioned in Question 3)
- c. providing students with increased opportunities to develop and practice 21st-Century skills
- d. providing students with increased opportunities to develop and practice computer skills

- 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.

We implemented a new wireless network system in the 13-14 and 14-15 school years. We have wireless access points in every other room and we have a dual management system with redundant modules in both buildings. We plan to increase the wireless access points to every room in each building, using SSBA funds. This project includes additional access points, running cable, and switches as needed.

- 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
46-01-02-04-7-999-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?

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Gary Henry	283811

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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	16,140
Outside Plant Costs	11,000
School Internal Connections and Components	0
Professional Services	4,000
Testing	0
Other Upfront Costs	0
Other Costs	0
<b>Totals:</b>	<b>31,140</b>

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](mailto:smartschools@nysed.gov).  
**NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.**  
 Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Wireless Access Points	60	50	3,000
Network/Access Costs	Access Point Licenses	80	48	3,840
Network/Access Costs	Switch for JSHS	1	3,000	3,000
Network/Access Costs	New Controller for JSHS	1	5,000	5,000
Network/Access Costs	2 universal power supply (UPS)	2	650	1,300
Outside Plant Costs	Cable Running	1	11,000	11,000
Professional Services	company fee to oversee the project via the Bids process	1	4,000	4,000

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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.

NA

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	0
Outside Plant Costs	0
Tower Costs	0
Customer Premises Equipment	0
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
<b>Totals:</b>	<b>0</b>

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](mailto: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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- 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:

- Specifically codified in a service contract with a provider, and
- Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

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

The District currently exceeds the minimum required bandwidth per student, as our current contract with CNYRIC provides 150Mbps. Our student enrollment requires less than 140Mbps. While not creating a 1-to-1 device program, the equipment included in this proposal will bring the number of devices (tablet, laptop, and desktop) to the level such that there will be sufficient devices to provide all students access during high-demand periods, such as computer-based testing dates. The flexibility afforded by the use of laptop computers and our enhanced wireless network will further aid in our ability to get devices to the students that need them.

- 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	1,360	136,000	136	150	(No Response)	(No Response)

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

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

The NYS computer based testing recommended band LAN Bandwidth at each work station is 2 Mbps. Ours is above this recommended bandwidth. The wireless network that we have can do speeds up to 300Mbps. Wireless 802.11n is 300Mbps which is higher than the recommended amount. The recommended minimum on wireless N is 150Mbps. Our current system exceeds that. The 802.11g and 802.11a wireless is 54 Mbps. The recommended minimum for wireless g and a is 54Mbps. Our current system meets that.



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- 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.

Equipment to be Purchased:

- Laptops and charging/storage carts for instructional spaces
- iPads and charging/storage carts for instructional spaces
- iPad accessories (Apple Pencil, keyboards) and protective cases
- Desktop computers for instructional spaces
- Workstations (CAD-ready desktop computers) for instructional spaces
- Printers and Scanners for instructional spaces
- Laptops for teachers to use during instruction
- Interactive Touch Screens for instructional spaces
- Amplified Classroom Systems for instructional spaces
- Robotics Kits for Robotics program
- Mini CNC and accessories for Robotics program
- Touch Accessible platform for student use

All of the computer equipment and peripherals to be purchased is compatible with Windows 7 or 12, or iOS 8 or 9, which are currently in use without issue in our buildings.

The Amplified Classroom system being purchased is a stand alone system that has been piloted without issue.

Electrical Service:

Per our District Director of Facilities III, David Poore, the District added additional outlets and upgraded electrical service in most all of the existing classrooms at the Elementary and Jr-Sr High School as part of the District’s last Building Project. The system is capable of supporting the proposed new equipment (4 desktop computers per classroom, as well as capacity to support a laptop cart). The new 2010 classrooms also have adequate electrical service to support the additional equipment.

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## Classroom Learning Technology

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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?")**

Digital connectivity and our proposed technology purchases will allow us to infuse our classrooms with digital learning tools (including, but not limited to: desktop computers, iPads, laptops, interactive touch screens, mirroring devices, and assistive peripherals such as low-vision monitors, adaptive keyboards, and hand-held/mobile devices, to provide access to education resources, increased engagement, develop 21st century skills, while promoting success for college and careers. The proposed purchases will allow our instructional staff to enhance differentiated instruction by providing students different ways to learn content, to work through learning processes differently, and to produce student-centered products while offering multiple paths to learning that will allow teachers to be grounded in differentiated instructional best practices and assessment practices. Through increased engagement, all students will be more successful in school and find it more satisfying when they are taught in ways that are responsive to their needs. Teachers will also be able to differentiate instruction through utilizing a range of instruction and management strategies such as video streaming, internet access, and standards based software and applications. Our proposed purchases will expand student learning inside and outside the classroom as the applications utilized by the district (DL, VAP, Online Learning, LMS, etc.), in addition to increased student engagement, will support learning 24 hours a day, 7 days a week while building on 21st century skills. Teachers will be able to engage in a new model of connected learning; linking with their students, with professional content, and with new resources to improve instruction and to personalize learning opportunities and experiences. Through connected learning, these technologies will increase teaching and learning, making better use of student learning time and teaching time. We will have increased access and opportunities for students and teachers with virtual or online learning, blended learning, open educational resources, and digital resources. Students with disabilities will have more access to assistive devices to help teachers personalize lessons directly based on student needs. The increased access and use of technology by our students with physical disabilities will give them access to learning opportunities previously closed to them and provide for more engaging and advanced learning experiences than a typical modified lesson. Incorporating these proposed purchases will not only increase students with disabilities engagement, but also motivates them to learn and personalizes experiences to their individual needs, allowing our students with the most profound and severe disabilities to join general education classrooms, extending and reaching their potential in ways not possible before. Our instructional plan in addition to the district's goals and vision, allows for providing assistive technology to students with disabilities to ensure access to and participation in the general curriculum. We are responsible for meeting assistive technology needs of all students with disabilities served in our public school district including any student with disabilities that is placed in a program outside of our school district (State-approved private or State-operated/supported schools). Greater access to technology and computer-assisted learning will also be effective in engaging any English Language Learners (ELLs) population we may obtain in future enrollments. It will help to motivate ELLs, allow them to further develop writing, editing, and revision skills, and provide for collaborative opportunities with same language speaking communities to gain more resources keeping them more invested in school learning. We firmly believe the acquisition and implementation of proposed purchases coupled by best practices and increased access and utilization will increase teacher and student motivation, engagement, and overall increased academic success regardless of background, disability, or language.

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

The proposed technology purchases will enhance what we have consistently done in-district to provide our students and families with what they not only need but are guaranteed with the new Every Student Succeeds Act legislation (ESSA); to increase regular meaningful communication about student learning and other school activities with parents and other stakeholders, helping the district facilitate technology-based regional partnerships, including distance learning and other efforts. Increased teacher and student engagement will result in higher academic performance and higher performing schools. We will be able to effectively involve families and stakeholders by focusing on collaborative, two-way communications among all stakeholders through establishing a school and district-wide system of communication to ensure information will be available to parents and all community stakeholders. We will be able to disseminate and provide prior notice and information to stakeholders. It will allow us the opportunity to explore other means of conferencing, conducting surveys, and providing additional opportunities for parents and stakeholder to communicate with the school and teachers. We can also investigate creating a library of virtual tours of the school and community to bring resources to our students and in turn bring school information to our stakeholders. Increased technology will allow for additional training opportunities for educators, families and community members to empower them to advocate for and ensure the success of our children. We could also work to create a digital library for virtual training and information sharing. The integration of technology may also allow us to provide opportunities for community service and service learning; not only to provide our students with disabilities more options for work-based learning programs but to also enhance involvement with the community from all student groups. It will allow us to work with local businesses, industries and community organizations on programs to enhance students' skills and family involvement. It will allow us to enhance our extended learning time initiatives for students with support from community businesses, agencies and volunteers. Our proposed technology purchases will allow us to band together with businesses, nonprofits, colleges and community organizations to form regional partnerships with the goal of promoting innovation and collaborating efforts to meet student needs in an ever expanding society filled with Ed-tech resources as we race to keep up with unprecedented levels of connectivity beyond the 21st century. These collaborative partnerships will not just help teachers but will help all students to improve.

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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."**

Our district's plan to provide professional development to ensure administrators, teachers, and staff can employ the proposed technology purchases to successfully enhance instruction includes, but is not limited to:

- Providing ongoing support through instructional technology coaching
- Develop professional instructional technology learning communities
- Utilize instructional technology information repositories of relevant best practices for instruction
- Provide training in both pedagogy and technical technology
- Interactive whiteboard/touchscreen integration, SmartNotebook (or equivalent application)
- Utilize a learner-centered pedagogy so technology is a core element of instruction. Examples of topics include:
- Blended Learning Strategies
- Learning A-Z Suite (Reading A-Z, Writing A-Z, Raz Kids) with Training for Elementary staff
- Schoology Training for Jr/Sr HS Staff
- Discovery Education Techbook training for Jr HS Social Studies staff
- Ongoing PD options for training in: Excel, Powerpoint, Adobe, Publisher, and other programs of interest to staff as determined
- Structure instructional technology professional development to be focused on learning with technology so teachers can see what and how they can learn

We are building and enhancing our infrastructure of our use of digital resources and web delivery for teaching and learning and greater access for all. Staff training and education are critical to the overall successful implementation of technology. Our training and development are infused with national, state, and district standards of technology and information literacy to impact student achievement. Curriculum, instructional and computer integration specialists will be instrumental in aligning and developing specific curriculum objectives that will use technology to help students master the content and will be an integral part of the plan. Our professional development plan includes a summary of professional development opportunities offered to teachers and staff, for the time period covered by this plan, to support instructional technology integration to enhance teaching and learning. That plan also includes the professional development topics, appropriate audience to attend, and the method of delivery.

- 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 Oswego

- 9b. Enter the primary Institution phone number.

(315)382-8324

- 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.

David Parisian

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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

- 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](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.

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	Sub-Allocation
Interactive Whiteboards	100,000
Computer Servers	0
Desktop Computers	294,684
Laptop Computers	357,590
Tablet Computers	147,700
Other Costs	337,015
<b>Totals:</b>	<b>1,236,989</b>

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](mailto: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.**

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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
Laptop Computers	HP ProBook 640G2 notebook 8GB RAM 128GB SATA SSD	422	630	265,860
Other Costs	4 yr ext warranty - ProBook 640 G2 - HP Care Pack 9x5 pickup and return	422	60	25,320
Other Costs	laptop carts for ProBooks	14	1,600	22,400
Laptop Computers	HP ProBook notebook w/DVD +/- SuperMulti Drive, 8GB RAM 128GB SATA SSD	110	643	70,730
Other Costs	4 yr extended warranty - ProBooks - HP Care Pack 9x5 pickup and return	110	60	6,600
Interactive Whiteboards	InFocus J-Touch interactive touch screen	30	2,600	78,000
Laptop Computers	HP x360 Touchscreen Notebook 8GB RAM 256GB SATA SSD	30	700	21,000
Other Costs	laptop carts - HP x360 notebooks	1	1,600	1,600
Other Costs	3 yr ext warranty - HP x360 Notebooks - HP Care Pack 9x5 pickup and return	30	45	1,350
Desktop Computers	HP EliteOne 800 AIO Non-Touch 8GB RAM 500GB HD	170	750	127,500
Other Costs	5 yr ext warranty - HP EliteOne desktops	170	40	6,800
Desktop Computers	HP CAD/Workstation computers -HP Custom Build Z240 16GB RAM 256GB SATA SSD	162	1,032	167,184
Other Costs	5 yr ext warranty - HP Care Pack on-site for HP Z240 Workstations	162	47	7,614
Other Costs	HP Z24NQ monitors	150	312	46,800
Other Costs	Black and White Laser Printers	41	700	28,700
Other Costs	Color Laser Printers	13	1,300	16,900
Other Costs	FrontRow Amplified Classroom Speaker System	97	1,080	104,760
Other Costs	FrontRow Additional Pendent Microphone	25	250	6,250
Other Costs	FrontRow Page Override Expansion Module	97	43	4,171
Interactive Whiteboards	TAPit Touch Accessible Platform Device	2	5,000	10,000

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Classroom Learning Technology

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Other Costs	Mini CNC	1	11,700	11,700
Other Costs	Cutting Tools & Accessories for Mini CNC	1	1,500	1,500
Other Costs	Dust box/cabinet for Mini CNC	1	510	510
Other Costs	Tetrix Kits for robotics program	15	725	10,875
Other Costs	Lego Mindstorm control module for Tetrix Kits	15	380	5,700
Other Costs	BeeBot class bundle	1	500	500
Tablet Computers	iPad Air 2 WiFi 128GB (no Apple Care)	290	479	138,910
Other Costs	iPad covers	240	25	6,000
Tablet Computers	iPad Pro 128GB 12.9	10	879	8,790
Other Costs	Apple Pencil for iPad	10	99	990
Other Costs	Smart Keyboard for iPad	10	169	1,690
Other Costs	Otter Box Defender for iPad Air 2 and iPad Pro	60	82	4,920
Other Costs	iPad Carts - Bretford PowerSync+ Cart 40	2	3,000	6,000
Other Costs	Scanner	1	165	165
Other Costs	Large Format Photo Printer	1	3,000	3,000
Other Costs	iPad Carts - Storage and Charging	6	700	4,200
Interactive Whiteboards	Cart/Mounts for InFocus J-Touch interactive touch screens	30	400	12,000



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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.

NA

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)
<b>Totals:</b>	<b>0</b>

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](mailto: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)

Smart Schools Investment Plan - APW SSIP 1

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.

NA

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)
<b>Totals:</b>	<b>0</b>

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](mailto: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)

Smart Schools Investment Plan - APW SSIP 1

High-Tech Security Features

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

NA

- 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)

- Was your project deemed eligible for streamlined Review?

- Yes
- No

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

Name	License Number
(No Response)	(No Response)

- 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)
<b>Totals:</b>	<b>0</b>

- 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](mailto: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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