

Smart Schools Investment Plan - 2016-17 Version (Original) - March 2018

SSIP Overview

Page Last Modified: 10/26/2018

Institution ID

800000037782

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

Carole Polney

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

631-565-6017

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

cpolney@amityvilleufsd.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

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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.

- 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.**

SmartSchoolsInvestmentPlanChromebook2018 (1).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.amityvilleufsd.org/Assets/BOE_Presentations/SmartSchoolsInvestmentPlanChromebook2018.pdf?t=636566569899500000

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.**

3,600

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:**

\$2,220,695

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	

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	Sub-Allocations
	0
Classroom Technology	736,196
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	736,196

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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.

Our district currently has 500 Mb bandwidth coming into the district through two pipes and plans to increase our bandwidth in the 2018-2019 school year. We receive our connectivity through Western Suffolk BOCES from two separate providers to provide redundancy. In the event that one provider is having issues, our network is set up to failover to the second provider for full access. Beginning in the 2018-2019 school year, we will increase our bandwidth to over 1 Tb but still have two separate providers.

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

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

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	3,068	306,800	306.8	500	1T plus 300Mb	July 1, 2018

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.

Our current wireless infrastructure covers about 75% of the district. With the increase of the mobile devices we are planning, we are working to support 100% coverage across the district. Scheduled for the summer of 2018, we have committed to a wireless project through Western Suffolk BOCES to upgrade our wireless controllers and access points, while also adding additional wireless access points. This will provide an access point in every classroom and in all instructional spaces. The project is estimated to be completed by September 2018.

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

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

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

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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.**

For the past three years, we have been implementing Google Apps for Education (now GSuite for Education) into our instruction across curricular areas. We have 27 Chromebook carts that hold between 10 and 30 Chromebooks in each cart. These carts are distributed across our high school, middle school and two of our elementary schools. These devices are shared by academic subject area teachers and by grade level teachers. As a district, we are committed to providing access to staff and students in the classroom. The purchase of additional Chromebooks will allow us to expand the use from grades k through 12 and give students and teachers direct access to materials, Google Classroom and the Google Suite of applications where they can collaborate, share and learn.

The March 2018 Amityville UFSD Smart Schools Project Plan proposes to purchase:

Touchscreen Chromebooks (for use by our grade K, 1, 2, 3 students)

Chromebooks (for use by grades 4-12 students and staff)

Locking carts (to securely house all of the Chromebooks in the buildings)

Once our wireless infrastructure is updated and expanded (scheduled for summer 2018), we will more than adequately be able to support the addition of these devices.

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

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

Our district is committed to providing access to our students to online resource materials and learning experiences and that is why we have chosen Google for Education as our learning platform. With accessibility to a variety of tools, our students can be sure to use the Chromebooks to their best ability. Using the accessibility apps, translation apps, and other student-directed apps that enhance the instruction to meet the needs of all of our different learners allows for differentiated learning. In particular, Google's translation tool and ability to choose a language within Google Classroom allows our ELLs to participate in all instruction. With the ability to customize and push-out apps to specific students, Google gives us the ability to adapt the education for individual students or student groups based upon need. Through the use of these built-in assistive technologies, students with disabilities are able to access digital books that comply with their IEPs. In the K through 6 classrooms, all students will have access to the same materials and a device since we are putting carts in every classroom.

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.**

Having Chromebooks available in every elementary classroom (grades K-6) will allow teachers to utilize the capabilities of the parent communication piece available through Google Classroom. This is something some of our secondary teachers are already employing through Google Classroom. Engaging parents in the instructional dialogue and keeping them informed of their child's progress and assignments facilitates communication and allows parents to become part of the school community and classroom community. Teachers will also have devices to take home and use giving them the ability to communicate with a school-issued device. In addition to Google Classroom, teachers are using Gmail and Google Calendar to share information with parents.

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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."

The infusion of technology in the classroom is the focal point of this project. A continued commitment to training new and seasoned teachers in the use of classroom technologies to access and appropriately use the Internet in content area instruction. Central office administrators, building principals, and teacher leaders will be asked to make recommendations, in consultation with staff, about the curriculum areas and grade level needs so we ensure we are providing the right kind of training. We've already begun professional development over the past two years and have committed additional funds in our district budget to be able to provide more training in the 2018-2019 school year that is directly correlated with this project. Teachers will participate in workshops provided through BOCES, Model Schools, ASSET, SCOPE, and Suffolk's Edge Teacher Center (all with administrative approval), as well as in-district PD provided by outside consultants and our own teachers who offer sessions after-school to their colleagues. Examples of professional development we have started and will continue to offer our staff are: 1) Google Classroom, 2) GSuite for Education, 3) Integrating Chromebooks into Instruction, 4, 5,6) Google for Beginners, Intermediate and Advanced Users, 7) Google Apps and Extensions; 8) How to Use Google Forms. All of the PD is hands-on with the staff using Google Chromebooks as the devices so they get a better understanding of how the devices work as an instructional tool and for students.

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

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

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

SUNY Stony Brook

- 9b. Enter the primary Institution phone number.

(631) 632-7067

- 9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.

Craig Markson/Al Pisano

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

Are there nonpublic schools within your school district?

- ☒ Yes
☐ No

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

We have a great working partnership with the non-public school, St. Martin of Tours School. We offer technical support and hardware to this school on a regular basis and include them as part of this proposal. The non-public schools must request the use of the Chromebooks by September 1 for use for the current school year.

In speaking with the principal at St Martin about the funds, we have agreed to move forward with this plan, less the \$3,950 for her school. The calculated enrollment is about 50 students more than her current enrollment so we have agreed with the difference on this particular project.

- 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	736,196	2,923	353	3,276	225	79,425

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

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

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

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

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

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Interactive Whiteboards	(No Response)

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	Sub-Allocation
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	654,800
Tablet Computers	(No Response)
Other Costs	81,396
Totals:	736,196

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	carts to secure and charge Chromebooks	66	1,071	70,686
Laptop Computers	Chromebooks	1,300	260	338,000
Other Costs	carts to secure and charge Chromebooks (non-public)	10	1,071	10,710
Laptop Computers	Touchscreen Chromebooks (non-public)	180	360	64,800
Laptop Computers	Touchscreen Chromebooks	700	360	252,000