

Smart Schools Investment Plan - Revised - SEW-SBA-2015-P4

SSIP Overview

Institution ID

800000049235

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

Brian Messinger

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

516-488-9816

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

bmessinger@sewanhaskaschools.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.

Supplemental 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

5. Did your district contain nonpublic schools in 2014-15?

- Yes
- Yes, but they have all since closed, moved out of district or are declining use of SSBA funds
- No

6. 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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- 6a. 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.

Smart Bond Initial Plan.pdf
 Sewanhaka Smart Bond Quote 2019.pdf
 SSBA Additional Quote 19-20.pdf

- 6b. 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.

<https://www.sewanhakaschools.org/Page/22673>

- 7. 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.

9,200

- 8. 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.

- 9. 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)

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

(No Response)

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

\$3,190,268

- 12. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,077	158	8,235.00	1.92

- 13. This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must be resolved before submission.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	0.00	0.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	795,065.00	795,065.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	0.00	0.00	0.00

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	Sub-Allocations	Expenditure Totals	Difference
Nonpublic Loan	0.00	0.00	0.00
Totals:	795,065	795,065	0

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School Connectivity

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).** If the district currently meets the required speed, enter “Currently Met” in the last box: **Expected Date When Required Speed Will be Met.**

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	0.00	(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 how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students.")

Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)

(No Response)

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)

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School Connectivity

6. Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.

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. Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be Purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	0.00	0

10. Public Expenditures – Non-Loanable (Does not count toward nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	0.00	0

11. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,077	158	8,235.00	1.92

12. Total Public Budget - Loanable (Counts toward the nonpublic loan calculation)

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	(No Response)	0.00	0.00
School Internal Connections and Components	(No Response)	0.00	0.00

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	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Other	(No Response)	0.00	0.00
Totals:	0.00	0	0

13. Total Public Budget – Non-Loanable (Does not count toward the nonpublic loan calculation)

	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:	0.00

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	0.00
Totals:	0

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Community Connectivity (Broadband and Wireless)

- 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)

- 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)

- 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.

- Please describe the physical location of the proposed investment.

(No Response)

- 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)

- Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	0.00	0

- 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:	0.00

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Classroom Learning Technology

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 has sufficient infrastructure that meets the Federal Communication Commission's 100 Mbps per 1,000 students standard in the buildings where new devices will be deployed. Current total bandwidth totals 2 Gbps of internet service through two separate service providers. This meets the minimum standards and also provides redundancy throughout our campus.

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).** If the district currently meets the required speed, enter “Currently Met” in the last box: **Expected Date When Required Speed Will be Met.**

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	8,500	850.00	2000	3000	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.

Over the summer of 2016, the district installed a comprehensive WiFi infrastructure to support over 10,000 devices. This includes the placement of over 350 antennas throughout our campus.

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

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

The District plans on purchasing the next phase of Apple iPad devices (2019 version) for our incoming 7th grade students for the 2019-2020 school year. MacBook Pro devices are being purchased for both enhanced productivity and classroom instruction. Specifically, MacBooks will allow teachers to perform tasks not available on an iPad, including more detailed creation of documents, complete access to our Learning Management System, and the creation of digital iBooks to enhance classroom instruction. Classrooms have already been tooled to support these technologies with the appropriate outlets and charging stations. Over the summer of 2016, the district installed a comprehensive WiFi infrastructure to support over 10,000 devices. This includes the placement of over 350 antenna throughout our campus.

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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?")

In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.

The District's Technology Plan is to establish a culture of collaboration, creativity, critical thinking and authentic learning that promotes socially conscious citizens who are college- and career-ready. The use of iPads in classroom instruction will allow our students to feel valued and empowered to contribute to a global community. Through the integration of this technology, the district aims:

- To transform learning by boosting creativity and tapping into student choice and interest, allowing for personalized learning and sharing with authentic audiences.
- To increase teacher and student confidence with transformative learning practices by increasing professional development by teacher leaders, for teachers. This includes administrative modeling, expectations and best practices.
- To ensure all teachers will be engaging students in using the device to make certain that there is equitable opportunity to learn in all five high schools.
- To ensure all our schools will successfully incorporate the infrastructure, devices, professional development, content and human capacity necessary to implement the one-to-one initiative, exemplifying an effective transition to digital learning.

The school communities has consistently incorporated a Learning Management System, including a gradebook, parent portal and other digital resources for communication, collaboration and professional practice. When high quality teaching is infused with the dynamic use of technology, personalized student learning becomes possible. The Sewanhaka Central High School District has taken the Future Ready District Pledge, designed by the US DoE to set out a roadmap to achieve that success and to commit districts to move as quickly as possible towards a shared vision of preparing students for success in college, career, and citizenship. All students will benefit from the integration of this technology in the following ways:

- Students have the tools to be more creative
- Students have the tools to individualize their own learning
- Students have less to carry
- Students have more choice in the work they produce
- Classes are more collaborative and engaging
- Students learn to use technology for organization and learning-not just entertainment and communication
- Students are positioned to be more competitive in higher education, the work force, and life beyond high school

Specifically, we are exploring every avenue to innovate and expand learning. We are implementing strategies in all subject areas with a focus on student-centered learning. Our junior high students are now completing digital choice projects on their iPads instead of traditional quarterly exams and midterms. They are making iMovies, sketchnoting, and doing extensive research. They are creating and collaborating, which are essential skills for the 21st century. The iPads are also perfect tools to provide for differentiated instruction. Flipped classrooms and personalized learning are possible with iPads, giving teachers additional tools on how to put students at the center of their learning. Differentiation is much easier when personalized individual or group tasks can be assigned while teachers can monitor student work remotely via the Apple Classroom app. Data collected via Schoology, Apple, Google, and Illuminate also provides us with insight into learning gaps, and helps us develop targeted strategies for success.

An example of some of the innovative work we are doing to expand student learning, differentiated instruction, and contribute to the reduction of identified learning gaps is our work with GeoGebra. This free graphing calculator app is being launched throughout the District on the iPads. It is expanding student learning in the classroom by providing students with an intuitive tool to help make math more accessible. Instead of remembering complex formulas and procedures on a traditional graphing calculator, our students can now do things like spreading and pinching their fingers to zoom in and out of a parabola. We are also expanding student learning by providing them with access to this app both in school and at home. Our economically disadvantaged students do not necessarily have access to a graphing calculator at home, which makes it impossible for teachers to assign work on it at home. Since every one of our students has an iPad with the GeoGebra app, this is no longer an issue. Additionally, our District has been

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working with the State Education department to allow the use of the GeoGebra Graphing Calculator app on the iPads for paper Regents examinations. This allows for students to have a consistent tool to use in class, at home, and on the exams. In turn, teachers are using it in the classroom to help with instruction, including differentiated activities through the calculator, and the associated GeoGebra AR (augmented reality) app, which helps students develop a stronger understanding of math concepts. With learning gaps readily identified in our math competencies, this tool is truly helping us devote attention and resources to math education.

Students With Disabilities

Our educators of students with special needs are finding that iPads can be a vital tool to support independence. The iPad provides students with a simple and familiar user interface that can be used by almost everyone. It is also a highly customizable device that can be set up with applications and assistive features to support a variety of special needs. The iPad includes a full suite of accessibility tools. Apple will continue to provide our Special Education staff with professional development to explore the key features built into their products for students with special needs. Educators are continually reviewing applications for special education, and focus on the following:

- Differentiation: How adaptable is the application to the population being served?
- Alignment: How well does the application align with both the curriculum and the student's IEP?
- Data collection: What kind of feedback does the app provide to document progress?
- Motivation: How well do students respond to the application?

To this date, teachers have identified the following apps depending on their special needs: ProLoQuo2Go, Dolphin Easy Reader, Read 180, System 44, and over 50 other apps that address the individualized needs of students.

Students with disabilities are able to expand their learning through the use of specialized apps and assistive technologies. For example, Apple's Classroom app (used by teachers on the MacBooks and students on their iPads) allows for easy differentiation and group assignments, which allows for students to collaborate and further develop their skills. Many of apps, including the Discovery Education tech book (used by our social studies and science students), provide students with the ability to select reading levels. The native technologies found on these devices allow for students to learn via a flipped classroom; Apple's easy screen recording tools allow for students to consume content at their own pace, which is ideal for students with disabilities.

As we have identified learning gaps on state exams between our general education students and students with disabilities, we are providing our students with disabilities with the opportunity to work with Proximity Learning on their iPads. This program provides digital individual or small group instruction with a live teacher through the Canvas and Zoom Meeting apps.

We have also been working with assistive technologies to meet the needs of our students with disabilities. We have students using AAC technologies such as ProLoQuo2Go and Touch Chat, which are essential to their development.

Another example is how we meet the needs of our students enrolled in life skills programs. Based on their individual IEPs, we provide them with a unique suite of apps to help develop their skills. These range from apps teaching how to count money to how to develop basic reading skills.

We are also using Scholastic's Read 180 program for our students identified with the need to improve their reading and writing skills. Read 180 provides a suite of apps for this purpose, and the students attend dedicated Read 180 classes.

English Language Learners

The district will be working to use technology to enhance instruction for our English learners. Apps already identified by our teachers include Google Translate, Hello-Hello English, speech and basic pronunciation tutors, and Word Wit. Apple iPads have multilingual features and accessibility tools that enable all students to type in their native language and translation tools to help students adapt to an English language learning environment. As we have identified learning gaps on state exams between our general education students and English Language Learners, we are providing them with the opportunity to work with Proximity Learning on their iPads. This program provides digital individual or small group instruction in a variety of languages with a live teacher through the Canvas and Zoom Meeting apps. This allows us to provide native-language tutoring in Spanish, Haitian Creole, Chinese, etc., to help our English Language Learners develop both their English language and content area skills. We are identifying additional needs for our ELL students, and are exploring innovative options like the Buncee platform, which provides additional resources in this area. We are also providing iPads for all of our SIFE (Students with Interrupted Formal Educations) students. For these students with a very unique set of needs, the iPad provides them with a powerful tool which can translate, help with research, and assist with collaboration and communication skills.

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 district will ensure that parents have resources available through our website (<http://www.sewanhaskaschools.org/technology>) which will be accessible on the iPads from home. Students are all given email addresses which will be regularly accessible through the mobile technology. The district has established partnerships with our local libraries and several businesses to assist parents and student to learn how to use this technology. The District has invested in Proximity Learning, which is distance learning / tutoring for our students in need. We are also partnering with organizations like jamf to communicate with other students and teachers around the world.

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

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

Professional development in the Sewanhaka District is rooted in the belief that to succeed in the 21st Century, teachers must be agents of change. They must be dedicated to using change as an impetus to promoting student success and readiness for challenges in various post-secondary workplace or educational environments. As agents of change, teachers will be provided with a diversity of opportunities to become exposed to new ideas and pedagogical strategies. We believe in building upon our teachers' successes by fostering their spirit of intellectual inquiry and rewarding their willingness to take risks and experiment with new ways of promoting greater student success. We take great pride in the high standards our faculty sets for its own professional growth.

As part of our plan, the district will provide access to high-quality, ongoing, job-embedded opportunities for professional learning for teachers, administrators, and other education professionals. Such opportunities ultimately lead to improvements in student success and create broader understanding of the skills that comprise success in a digital age.

Digital Professional learning communities, peer-to-peer lesson sharing, and better use of data and formative assessment, combined with less emphasis on "sit and get" professional development sessions eliminate the confines of geography and time. These ever-increasing resources offer teachers and administrators vast new opportunities to collaborate, learn, share, and produce best practices with colleagues in school buildings across the country. Digital leaders establish this type of collaborative culture. They model and are transparent with their own learning. In addition, educators must be engaged in more collaborative, goal-oriented approaches to the evaluation of their own teaching to serve as a personal model for the experiences that they might bring to students.

The District will contract with Apple Professional Services to assist in skill development and also provide pull out sessions for faculty to reflect, observe and new instructional strategies.

The District has also adopted the LoTi Technology Integration Model (<http://loticonnection.com/>). LoTi stands for Levels of Innovative Teaching.

LoTi has developed a classroom walkthrough protocol with a simple acronym: HEAT. This stands for

- Higher Order Thinking Skills
- Engaged learners
- Authentic learning
- Technology Use

LoTi has developed resources to show that the HEAT framework aligns to and supports many educational initiatives, like Understanding by Design. District leaders will use the HEAT Rubric to gauge faculty progress and develop professional development opportunities.

We will contract 40 days with Apple Professional Learning (APL) Services are scheduled for the 2019-20 school year. The objective for APL sessions is to provide hands-on and immersive learning experiences to help participants gain confidence and context, enabling them to innovate their instructional practices. Participants will build confidence infusing technology into current learning and teaching practices. We will identify individual learning goals based on new skills and knowledge from prior experiences. Participants will practice and apply skills and knowledge related to learning and teaching practice. Through guided practice from an APL specialist, participants will work independently, with a partner, or group members to identify a learning activity from an upcoming unit of study then plan, design, and create a personal learning project. During future coaching and mentoring cycles the APL specialist will support and model integration with individuals within classrooms and other learning spaces.

- Coaching and Ongoing Support (Qty 40 days) (This push in support model provides teachers in class support and training to master apps used in the classroom)
- Apple Academy (Qty 6) (6 teachers will become certified Apple Learning Specialists to provide additional training within the district. Long-term plan is to create a cohort group of faculty to be our in house instructors for future PD activities. This has already been in progress for the past 3 years, and the Sewanhaka Learning Specialists meet and collaborate on professional development)

The District has also contracted with AJ Juliani to provide on-site session at Sewanhaka for leadership team. Over five onsite presentations, he will focus on leading a 1:1 initiative, innovative practices, and change management.

The District will partner with Ed Tech Team to run our third annual 'Summer Summit' in August 2019 to provide two days of high-level professional development for our teachers with a combination of contracted and in-house educators. This event focuses on creativity and innovation, and provides staff the opportunity to spend summer hours preparing lessons for the upcoming year.

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The focus of Superintendent's Conference Days will be devoted to instructional technology, following a teachers teaching teachers model in a 'summit' environment.

Finally, as part of the collective bargaining agreement, faculty can be assigned up to 16 productivity sessions of professional development as approved by the Principal or Assistant Superintendent for Curriculum and Instruction. To that end, a menu of options has been developed, in line with the District Strategic Plan, to guide this work. Many of the options revolve around instructional technology. Building Principals in collaboration with the Assistant Superintendent for Curriculum and Instruction will develop a process for scheduling and overseeing approved professional development opportunities within the building. Faculty must log these approved PD sessions on the Productivity PD Log. Teachers needing PD hours toward certification must also enter a Professional Development Log in My Learning Plan to receive credit toward certification for the hours of PD.

- 9. **Districts must contact one of the SUNY/CUNY teacher preparation programs listed on the document on the left side of the page 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.**

Old Westbury

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

516-876-3275

- 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.**

Dr. Nancy Brown

- 10. **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.

- 11. **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.

- 12. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Tablet Computers	iPad Wi-Fi 32GB - Space Gray	2	299.00	598.00
Laptop Computers	Apple 13-inch MacBook Pro	283	1,249.00	353,467.00
Tablet Computers	iPad Wi-Fi 32GB - Space Gray (10-pack)	150	2,940.00	441,000.00
		435	4,488.00	795,065

- 13. **Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)**

Smart Schools Investment Plan - Revised - SEW-SBA-2015-P4

Classroom Learning Technology

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,077	158	8,235.00	1.92

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

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	0.00	0.00	0.00
Computer Servers	0.00	0.00	0.00
Desktop Computers	0.00	0.00	0.00
Laptop Computers	353,467.00	0.00	353,467.00
Tablet Computers	441,598.00	0.00	441,598.00
Other Costs	(No Response)	0.00	0.00
Totals:	795,065.00	0	795,065

Smart Schools Investment Plan - Revised - SEW-SBA-2015-P4

Pre-Kindergarten Classrooms

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 new 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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	0.00	0

6. 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:	0.00

Smart Schools Investment Plan - Revised - SEW-SBA-2015-P4

Replace Transportable Classrooms

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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	0.00	0

5. 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:	0.00

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High-Tech Security Features

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. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit. 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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	0.00	0

6. If you have made an allocation for High-Tech Security Features, complete this table. Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	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:	0.00

Smart Schools Investment Plan - Revised - SEW-SBA-2015-P4

Non-Public Schools

1. Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.

"The district reached the \$250 per-pupil non-public loan maximum in a previous plan."

2. 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.

- 2a. Please enter the date each year nonpublic schools must request loanable items from the school district. This date cannot be earlier than June 1 of the previous school year.

(No Response)

3. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,077	158	8,235.00	1.92

4. Nonpublic Loan Calculator

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	0.00	795,065.00		98.44	250.00	250.00	0.00	0.00
Final Adjusted Loan - (If additional loan funds)	0.00	795,065.00	(No Response)	98.44	250.00	250.00	0.00	0.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	250.00	39,500.00
This Plan	0.00	0.00
Total	250.00	39,500.00

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
(No Response)	(No Response)	(No Response)

7. Please detail the type, quantity and per unit cost of the eligible items under each sub-category.

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	0.00	0