Smart Schools Investment Plan - 2016-17 Version (Original) - Southold SSIP - Corrected 10/04/2018

SSIP Overview

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Institution ID
800000036793

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

Charles Scheid

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

631-765-5400 x302

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

cscheid@southoldufsd.com

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 occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.

☑ The district prepared a final plan for school board approval and such plan has been approved by the school board.

☑ The final proposed plan that has been submitted has been posted on the district's website.

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.**

SoutholdSSIPprelimfinal6-9.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.southoldufsd.com/tech

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.**

991

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:**

$188,308

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	40,000
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	148,308
Totals:	**188,308**

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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.

    Currently, Southold UFSD meets NYSED Smart Schools Bond Guidance and has adequate internet access of at least 100 Mbps per 1,000 students. As such, the District will focus on school security, safety and classroom technology.

    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	819	81,900	81.9	100	100	(No Response)

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.

    Currently, Southold UFSD meets NYSED Smart Schools Bond Guidance and has adequate internet access of at least 100 Mbps per 1,000 students. We certify that we already have a robust district wide wireless network in place in all schools.

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.**

Installation of Classroom Tech Projects

- The District intends to utilize approximately $40,000 of the Smart Bond funds on technology purchases such as chromebooks, tablets, Smart TV, interactive TVs, robotics kits, and science probes.

The investment in the installation of classroom tech projects is in alignment to assist the District in continuing to achieve our technology goals as per our Educational Technology Plan. This plan includes the purchase of chromebooks, tablets, a Smart TV, interactive TVs, robotics kits, and science probes.. These purchases will significantly increase student access to technology, online access, and collaborative student-centered learning opportunities.

Our two buildings meet the required 110-120 volt outlets as needed by all of the included equipment. In addition, rooms where devices will be stored (i.e. computer labs) are air-conditioned and maintained by members of our technology department.

The devices being purchase are compatible with the district's current and planned platforms. The district will be able to provide adequate electrical supply, computer infrastructure, and internet connectivity to support them.

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?"

Installation of Classroom Tech Projects

The technology purchases with the Smart Schools Bond will assist teachers in differentiating their instruction by allowing access to digital assessments, providing opportunities for student collaboration, create opportunities for students to design and implement projects that extend the curriculum content. Software provided to be used in cooperation with the technology purchased with this bond has been selected based on its ability to adjust for student ability and prior experience, and provide feedback to the student and teacher about student performance or progress with the application.

Providing Chromebooks and digital tablets will give teachers and students easy access to educational resources on the internet, specialized software, and digital research libraries. Chromebooks and digital tablets are mobile devices and can be used in and out of the classroom. Chromebooks may be sent home with students to complete projects and research. Teachers will be encouraged to incorporate digital tablets during field trips including recording events with photographs and video recording. Digital probes will be used in cooperation with Chromebook and digital tablets to explore our local environment including local waterways, our school garden, and local weather.

Adding Interactive TVs and digital tablets to classrooms will promote accessibility by providing support for students' visual, auditory, physical and mobility, as well as social and communication needs, increasing both social and academic interactions in the classroom. These technologies, including Chromebooks, will allow access to software specifically designed for Students with Disabilities (i.e. text-to-speech applications, visual magnification) and English Language Learners (i.e. digital translation services).

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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.**

- Chromebooks and digital tablets have built in cameras and microphones. They provide the ability to participate in distance learning and collaboration.
- Interactive TVs (with webcam and microphone attached) provide the opportunity for large group distance learning and collaboration.
- Projects created on Chromebooks and interactive tablets can be easily shared with parents and the community through:
- email
- printing
- posting on the district website
- posting on the school facebook page, or
- posting on the teacher website

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 District recognizes the importance of ongoing and sustained professional development for staff and students. As discussed in the District's Educational Technology Plan of 2013, the District will continue to provide support to staff and teachers in order for the teachers to continue to implement the new computer devices and technology into the classroom. Southold UFSD subscribes to Eastern Suffolk BOCES Model School/Emerging Technologies Services. This contract provides for two professional development specialists to work with teachers in our school throughout the year employing new strategies. Staff will be encouraged to participate in professional development resources including online software tutorials, BOCES trainings, and local college programs that promote educational technology. Teachers will be encouraged to share technology strategies with their colleagues. These efforts will ensure all our teachers, administrators and staff will be empowered to best utilize these new technologies for instructional purposes.

    Examples of training topics that will be offered to teachers and staff include:
    - Interactive Whiteboards
    - Digital Probes
    - Robotics Kits
    - Digital Tablets
    - Educational Apps

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.**

    631-632-7993

    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.**

    Ken Lindblom

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Classroom Learning Technology

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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.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	0
Computer Servers	0
Desktop Computers	0
Laptop Computers	6,000
Tablet Computers	10,200
Other Costs	23,800
Totals:	**40,000**

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Laptop Computers	Chromebooks for 3rd grade	30	200	6,000
Tablet Computers	Tablets for 2nd grade and other classrooms	60	120	7,200
Other Costs	Physics Digital Probes	3	890	2,670
Other Costs	Interactive TVs	5	3,326	16,630
Other Costs	Elementary Robotics Kit	1	3,000	3,000
Other Costs	Smart TV	1	750	750
Tablet Computers	Tablets for Elem Classrooms	25	120	3,000
Other Costs	Garden/Weather Probe Kit - Elementary	1	750	750

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High-Tech Security Features

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

Installation of High-Tech Security Features
- The District proposes to utilize approximately $148,308 of the Smart Bond funds on security features.
- Installation of 43 interior cameras to add on to the existing camera system. This purchase will provide security to better protect our students and staff.
- Installation of electronic interior door locks to be added on to the existing door lock system.
- Purchase of a visitor management system (scanner, label printer, badges and database setup)

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

Project Number
58-10-05-02-7-999-BA1

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

☑ Yes
☐ No

3a. **Districts with streamlined projects must 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.**

☑ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Burton Bernhardt and Smith (BBS)	12306

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

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0
Electronic Security System	85,258
Entry Control System	63,050
Approved Door Hardening Project	0
Other Costs	0
Totals:	**148,308**

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**

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High-Tech Security Features

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eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	Interior video cameras - Purchase of Mini Dome Camera	16.00	187	2,992
Electronic Security System	Interior Camera - Device Licenses & 3-Year Protection Plan	43.00	253	10,879
Electronic Security System	Interior Cameras - Purchase of Dome Cameras	27.00	455	12,285
Electronic Security System	Interior Camera - Patch Panels and Cabling	1.00	5,996	5,996
Electronic Security System	Interior Camera - Installation	334.00	159	53,106
Entry Control System	Raptor Visitor Management System - Software	1.00	516	516
Entry Control System	Raptor Visitor Management System - Scanner	1.00	495	495
Entry Control System	Raptor Visitor Management System - Badge Printer	1.00	139	139
Entry Control System	Raptor Visitor Management System - Visitor Badges	2.00	100	200
Entry Control System	Raptor Visitor Management System - Database Setup	1.00	350	350
Entry Control System	Installation of Electronic Door Locks - Purchase and Installation	409.00	150	61,350