

Smart Schools Investment Plan - 2016-17 Version (Original) - First Submission

SSIP Overview

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Institution ID

80000051460

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

Steven Beauregard

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

518-589-5400 x2009

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

sbeauregard@htcschools.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.**

2017-2018 Smart School's. Bond Act Investment Plan.pdf  
 BRT Quote - Hunter Tannersville Central School District - Dell GX990 i5 (55) - 5-10-17.pdf  
 Greylock Estimate.pdf  
 Open Systems - HunterTannersville\_Door Hardware Quote\_AL1002344DT\_rev1.pdf  
 Rhinbeck Architecture - 171010 SSBA Proposal.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.**

<https://sites.google.com/a/htcschools.org/hunter---tannersville-middle-high-school/home/district-information>

**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.**

418

**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:**

\$214,536

**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.**

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	Sub-Allocations
School Connectivity	0
Connectivity Projects for Communities	0
Classroom Technology	13,200
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	84,016
<b>Totals:</b>	<b>97,216</b>

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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 current Internet service more than meets our needs based on the amount of students and staff that we have. Please see the Connectivity Speed Calculator below for more information.

- 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	368	36,800	36.8	1000	1000	NA

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

We have wireless access points distributed across the district. The usage is monitored and if in any area there is an increase in demand then more access points are distributed to that area.

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.**

The district plans to purchase 55 new Windows 10 desktop computers to replace older Windows 7/XP machines in the district. The machines will be more up to date and with higher specifications than the machines that they are replacing which will give the students and staff the ability to access more resources.

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?")**

By upgrading these older machines we will be able to give students access to more resources. With the increased power of the hardware and up to date operating system the machines will function better than the current systems which will allow for better time management and compatibility with more resources.

Some resources specific to ELL that will run better on newer machines are Talking Points, ReWordify, Read & Write, Skype Translate, and Snap and read.

Updated desktop computers will allow for station work within the classrooms. Instructional software programs will be installed on the computers and therefore allow for a learning station that can be tailored to students cognitive abilities.

Updated computer systems will function at a more efficient speed and allow for students to access material to help deepen their learning in all instructional areas. Improved time management will occur thus keeping all students on par with their learning.

The desktops will be located in our classrooms and students may access them before school, during study halls, and after school in order to complete school work, research areas of interest, and communicate with peers both within the school, with other schools in NY and with pen pals in other countries. The hardware and software on the desktops will allow for greater storage and researching capabilities thus allowing students to maximize their time on the computers. The larger screens afforded the desktops is also more conducive to large/intricate projects students may be working on. They will have the ability to pull up documents and review them side by side without straining their eyes.

Desktop computers provide a larger surface for viewing which tends to be more conducive to the needs of struggling learners. With the detached keyboard students are also able to manipulate the learning tool to suit their needs.

There are numerous instructional programming tools available for students that are computer based. The ease of use a desktop provides will allow for a smooth transition to this learning tool. Students will be able to work in cooperative learning groups with the desktop, a strategy that allows for communication skills to develop alongside technological skills. The ease of visibility and interaction provided by a desktop is something we are eager to bring to our students here at Hunter-Tannersville Central School District.

Specific learning gaps within our district fall in the literacy category with reading and writing at the forefront. Reading text off the desktop will be easier for our students given the larger screens on a desktop and the clarity and precision of the color will aid in the engaging aspects of the instructional programs that will be utilized.

Writing will also be an area that the desktops will serve to improve as the larger surface for viewing work will aid in the effectiveness of editing drafts and rewriting when necessary. Being able to place an earlier draft next to a current work in progress is a very effective tool for students as they work to strengthen their literacy skills. Accessing track changes via Word will allow students to see the original document with teacher comments in the bubbles on the side of the document as they work to make corrections.

All in all, the greatest strength of the desktop is the greater speed afforded to the student, ease of viewing and engagement with the larger screens, and ability to have more than one document opened at a time on the screen with ease of viewing all of them simultaneously

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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.**

With the better functioning machines they work with more resources and at a greater speed which will give teachers more options when communicating with parents and also the ability to access things quicker than on the older machines.

- 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.”**

Teachers and staff often receive a full day of professional development dedicated to technology over the summer. There are also several times during the school year on conference days and after school when other trainings are given. Past topics for these trainings have been, using Google Classroom, Google Drive, Google Sites, MyLearningPlan, Flipped classroom, and Promethean devices. Depending on the topic we will often have specialized trainers come in or teach workshops remotely.

Many of the planned purchases are expansions of equipment that we already have and have had workshops on. When there are new applications for these devices that will be used in the classroom then trainings will be held

- 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 Albany

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

518-442-4007

- 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. Jianwei Zhang

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

**Are there nonpublic schools within your school district?**

- Yes  
 No

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

The non-public school in our district has declined the use of these funds.

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**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](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	13,200
Laptop Computers	0
Tablet Computers	0
Other Costs	0
<b>Totals:</b>	<b>13,200</b>

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

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especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

**NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.**

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Desktop Computers	Dell Desktop Computers	55	240	13,200



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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.

We will be upgrading the CCTV surveillance systems in the district to ones that are more up to date.

Open Systems Integrators, Inc. to provide and install replacement door hardware at elementary school including ELR, SVR Exit Devices, LCNs, push pads and miscellaneous components.

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
19-09-01-04-7-999-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
John Sharkey	22726

5. If you have made an allocation for High-Tech Security Features, complete this table.

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

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	44,103
Entry Control System	(No Response)
Approved Door Hardening Project	25,910
Other Costs	14,003
<b>Totals:</b>	<b>84,016</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

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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	CCTV:LTN8832K-P16-24TB	2.00	3,000	6,000
Electronic Security System	CCTV:GL-IP9142W	24.00	349	8,376
Electronic Security System	CCTV:GL-IP3042W-28	11.00	299	3,289
Electronic Security System	LED TV 20-24	1.00	200	200
Electronic Security System	CCTV:GL-pOe-SW1601E	2.00	249	498
Electronic Security System	CCTV:GL-NBE-5AC-19	4.00	135	540
Electronic Security System	Weatherproof enclosure and hardware for wireless link	4.00	225	900
Electronic Security System	Wall Mount for dome camera	11.00	45	495
Electronic Security System	Installation Services	1.00	22,000	22,000
Approved Door Hardening Project	98 Series ELR SVR Exit Device with 996L/06 Lever Trim Fire Rated 3' LBR in Satin Bronze	1.00	2,590	2,590
Approved Door Hardening Project	LCN Closer/Automatic Operator Dark Bronze	1.00	2,548	2,548
Approved Door Hardening Project	98 Series SVR Exit Device with 996L/06 Lever Trim Fire Rated 3' LBR in Satin Bronze	3.00	1,900	5,700
Approved Door Hardening Project	LCN 4040XP Surface Closer CUSH-N-Stop Arm, Adjustable, Light Bronze	1.00	390	390
Approved Door Hardening Project	Falcon RIM Push Pad Exit Device 36	1.00	608	608
Approved Door Hardening Project	Falcon CVR Exit Device, 36in, US28 w/Night Latch Optional Pull	2.00	450	900
Approved Door Hardening Project	LCN 4040XP Surface Closer CUSH SRT in Light Bronze	2.00	390	780
Approved Door Hardening Project	12-E-7-2S2-RP-L/C-612 Cylinder RIM	8.00	45	360
Approved Door Hardening Project	Rixson R993-691 Electro Magnetic Holder	2.00	613	1,226
Approved Door Hardening Project	Stanley CL4990 Door Closer	1.00	958	958
Approved Door Hardening Project	Donjo 71-612-612 Push Plate	4.00	20	80
Approved Door Hardening Project	NGP Full 813-64in-MILL Threshold	1.00	86	86

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Approved Door Hardening Project	0000002110-200NA-36in-A Sweep	3.00	11	33
Approved Door Hardening Project	NGP Full 137NA-36in-84in-A Weatherstrip	3.00	84	252
Approved Door Hardening Project	NGP Full 813-64in-MILL Threshold	1.00	49	49
Approved Door Hardening Project	Labor	1.00	9,350	9,350
Other Costs	Architectural and Incidental Fees	1.00	14,003	14,003
Electronic Security System	Ubiquiti Tough Cable 1000 ft box	6.00	150	900
Electronic Security System	Jar of Platinum ethernet connectors	1.00	65	65
Electronic Security System	Wall mount bracket for Ubiquiti radio	4.00	15	60
Electronic Security System	2 HDMI cables, conduit, screws, and misc. fasteners	1.00	30	30
Electronic Security System	Bucket truck cost per day	10.00	75	750