

## Smart Schools Investment Plan - Longwood SSIP

## SSIP Overview

Page Last Modified: 07/10/2017

## Group 1

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

Pierre Gay

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

631 345-2900

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

pierre.gay@longwoodcsd.org

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

First submission

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

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

 District Educational Technology Plan Submitted to SED and Approved

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

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

 Parents

 Teachers

 Students

 Community members

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

 Yes

 No

 N/A

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

 The district developed and the school board approved a preliminary Smart Schools Investment Plan.

 The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.

 The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.

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

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

Smart Schools Investment Plan - Longwood SSIP

SSIP Overview

Page Last Modified: 07/10/2017

- 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.

Smart School Bond June16.pptx

- 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.longwood.k12.ny.us/departments/technology/final\\_smart\\_school\\_investment\\_plan\\_-\\_lcsd](http://www.longwood.k12.ny.us/departments/technology/final_smart_school_investment_plan_-_lcsd)

- 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.

11,000

- 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:

\$7,772,337

- 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	2,023,711
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
<b>Totals:</b>	<b>2,023,711</b>

Smart Schools Investment Plan - Longwood SSIP

School Connectivity

Page Last Modified: 07/10/2017

**Group 1**

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 oversubscription ratio formula requires that the Longwood Central School District has 460 Mbps of Internet Bandwidth. Presently, the District has 850 Mbps of Internet bandwidth which exceeds the SSBA requirement according to the oversubscription ratio in the speed waiver.

- 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	9,208	920,800	920	850	(No Response)	(No Response)

## Smart Schools Investment Plan - Longwood SSIP

## School Connectivity

Page Last Modified: 07/10/2017

**3. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.**

A major Longwood Central School District's goal is to use part of our Smart Schools Bond fund allocation to build a District- Wide wireless infrastructure to support instruction through the use of mobile devices.

Longwood CSD has seven schools comprising of eleven buildings with over 435 classrooms and only 15 wireless access points. We believe that a District wireless infrastructure would allow our teachers, students and staff to have greater access to our instructional programs resulting in increasing student achievement, especially for our Students with Disabilities and English Language Learners.

Over the years, the district has implemented research-based instructional technology programs, such as i-Ready, Right Reason Technology, Naviance, Read 180, and selected others in order to enhance our instructional program resulting in measurable student achievement. To support our teachers, the District has also invested in effective professional development through the use of qualified consultants, District Technology mentors, MESTRACT-Teacher Center, and Eastern Suffolk BOCES Model Schools.

In 2014-15 the results of a District Wide technology survey indicated that a vast majority of teachers, and students would welcome wireless in their schools because it would allow them to use a variety of technology to support instruction.

(The district anticipates to receive funding based on its discount of E-rate eligible funded equipment.)

The building of the district wireless infrastructure would require the following:

Reconfigure the district's 66 network wiring closets.

Install cable drops in all schools and district's facilities.(Approximately 196,200 feet)

Install wireless access points in classrooms and other learning areas.

Replace the district's core switches to allow greater data flow, scalability, support end user wireless devices and expanded data center.

Acquire Power over Ethernet edge switches to connect wireless access points to support mobile devices such as Chromebooks, laptops and tablets.

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

The District's plan for digital connectivity to improve teaching and learning is to build a robust District-wide wireless infrastructure in order to provide teachers and students greater access to instructional technology programs through the use of mobile devices such as Chromebooks, laptops, tablets and emerging technologies.

The acquisition of mobile devices would support all District's instructional technology programs, especially the ones listed below.

Students in grades K-8 are using i-Ready, a diagnostic and instructional program designed to identify their instructional levels in English Language Arts and mathematics.

Students take a diagnostic three times a year. After each diagnostic, a differentiated learning path is assigned to each student to address their needs.

Data teams review the data to measure students' growth and to plan for instruction.

The District implemented Google Apps for Education (GAFE). All teachers and students have a GAFE account which allows them access to many Apps such as Google Docs, Slides, Classroom, Sites and others. Students are using these apps to collaborate, communicate, create projects and develop critical thinking skills.

Students in grades 9-12 will be using Edmentum in the 2016-17 school year for learning recovery, credit recovery, Regents Prep and Blended learning.

In grades 7-12 students use Naviance to learn about careers and to apply to colleges. Students are able to explore various careers, and conduct personal interest profile. Naviance's module on Family Connection is a great resource for students and their families as they plan for college and career.

**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.**

The district quantified the demand for the wireless network by conducting committee meetings and online surveys to (students, staff and community members). We learned from the stakeholders that there is a great need for a wireless infrastructure to support their technology needs. Based on this information the district calculates a 3:1 ratio of devices to users. This information assisted us in our wireless infrastructure design. The core equipment selected (data switches, wireless controllers and access points) will provide adequate connectivity to all district users.

Smart Schools Investment Plan - Longwood SSIP

School Connectivity

Page Last Modified: 07/10/2017

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.  
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
58-02-12-06-7-999-004

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

Name	License Number
Wiedersum Associates Architects	25398

9. If you are submitting an allocation for School Connectivity complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	1,122,257
Outside Plant Costs	0
School Internal Connections and Components	710,421
Professional Services	191,033
Testing	0
Other Upfront Costs	0
Other Costs	(No Response)
<b>Totals:</b>	<b>2,023,711</b>

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
**NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.**  
Add rows under each sub-category for additional items, as needed.

## Smart Schools Investment Plan - Longwood SSIP

## School Connectivity

Page Last Modified: 07/10/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	HP 3800-48G-PoE+-4SFP+ Switch (Non-Erate)	75	3,618	271,350
Network/Access Costs	HP 3800-48G-PoE+-4SFP+ Switch (Erate 60% Discount)	134	1,448	194,032
Network/Access Costs	HP X312 1000W 100-240VAC to 54VDC PS (Non-Erate)	17	356	6,052
Network/Access Costs	HP X312 1000W 100-240VAC to 54VDC PS (Erate 60% Discount)	194	143	27,742
Connections/Components	HP 3800 4-port Stacking Module (Non-Erate)	6	580	3,480
Connections/Components	HP 3800 4-port Stacking Module (Erate 60% Discount)	191	232	44,312
Connections/Components	HP X132 10G SFP+ LC SR Transceiver5 (Non-Erate)	6	431	2,586
Connections/Components	HP X132 10G SFP+ LC SR Transceiver5 (Erate 60% Discount)	45	173	7,785
Connections/Components	HP X132 10G SFP+ LC LR Transceiver (Non-Erate)	10	1,157	11,570
Connections/Components	HP X132 10G SFP+ LC LR Transceiver (Erate 60% Discount)	11	463	5,093
Connections/Components	HP 3800 1m Stacking Cable (Non-Erate)	3	120	360
Connections/Components	HP 3800 1m Stacking Cable (Erate 60% Discount)	163	48	7,824
Connections/Components	HP 3800 3m Stacking Cable (Non Erate)	3	182	546
Connections/Components	HP 3800 3m Stacking Cable (Erate 60% Discount)	31	73	2,263
Network/Access Costs	HP 3800-24G-PoE+-2SFP+ Switch (Non Erate)	2	2,290	4,580
Network/Access Costs	HP FF 7910 Switch Chassis (Erate 60% Discount)	2	830	1,660
Connections/Components	HP X421 Chassis Universal Rck Mntg Kit (Erate 60% Discount)	2	42	84
Connections/Components	HP FF 7910 Cable Management Frame (Erate 60% Discount)	2	84	168
Connections/Components	HP FF 7910 Bottom-Support Rails (Erate 60% Discount)	2	84	168

## Smart Schools Investment Plan - Longwood SSIP

## School Connectivity

Page Last Modified: 07/10/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	HP FF 7900 1800w AC PSU (Erate 60% Discount)	6	416	2,496
Connections/Components	HP FF 7910 Frt(Prt)-Bck(Pwr) Fan Tray (Erate 60% Discount)	4	416	1,664
Connections/Components	HP FF 7910 2.4Tbps Fabric / MPU (Non Erate)	4	5,810	23,240
Connections/Components	HP FF 7900 24p 1/10GbE SFP+ FX Mod (Non Erate)	4	5,810	23,240
Connections/Components	HP X130 10G SFP+ LC SR Transceiver (Erate 60% Discount)	36	227	8,172
Connections/Components	HP X130 10G SFP+ LC LR Transceiver (Erate 60% Discount)	16	553	8,848
Network/Access Costs	HP 5406R z12 Switch (Non Erate)	1	1,004	1,004
Network/Access Costs	HP 5406R z12 Switch (Erate 60% Discount)	5	402	2,010
Network/Access Costs	HP 5400R 700W PoE+ z12 Power Supply (Erate 60% Discount)	12	133	1,596
Connections/Components	HP 5400R z12 Management Module (Non Erate)	1	1,037	1,037
Connections/Components	HP 5400R z12 Management Module (Erate 60% Discount)	5	415	2,075
Connections/Components	HP X450 4U/7U Univ 4-Post Rack Mnt Kit (Erate 60% Discount)	4	67	268
Connections/Components	HP 8p 1G/10GbE SFP+ v3 z12 Mod (Erate 60% Discount)	11	797	8,767
Connections/Components	HP X132 10G SFP+ LC SR Transceiver (Erate 60% Discount)	34	173	5,882
Connections/Components	HP X132 10G SFP+ LC LR Transceiver (Erate 60% Discount)	28	464	12,992
Connections/Components	HP X121 1G SFP RJ45 T Transceiver1 (Erate 60% Discount)	1	46	46
Network/Access Costs	HP 5900AF-48XGT-4QSFP+ Switch (Non Erate)	6	8,711	52,266
Network/Access Costs	HP 58x0AF 650W AC Power Supply (Erate 60% Discount)	12	125	1,500
Connections/Components	HP X711 Frt(prt)-Bck(pwr) HV Fan Tray (Erate 60% Discount)	12	63	756
Connections/Components	HP X240 QSFP+ 4x10G SFP+ 5m DAC Cable (Erate 60% Discount)	6	141	846

## Smart Schools Investment Plan - Longwood SSIP

## School Connectivity

Page Last Modified: 07/10/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	HP X240 40G QSFP+ QSFP+ 3m DAC Cable (Erate 60% Discount)	5	90	450
Connections/Components	HP X240 40G QSFP+ QSFP+ 3m DAC Cable (Erate 60% Discount)	1	112	112
Network/Access Costs	Aruba 7220 Mobility Controller with 4x 10GBase-x (SFP/SFP+) and 2x dual media (10/100/1000BASE-T or SFP) ports. Includes one 350W AC power supply. (Non Erate)	2	11,473	22,946
Network/Access Costs	Aruba Access Point Mount Kit (basic, flat surface). (Non Erate)	82	11	902
Network/Access Costs	Aruba Access Point Mount Kit (basic, flat surface). (Erate 60% Discount)	503	5	2,515
Network/Access Costs	Aruba Access Point Mount Kit (box style, secure, flat surface). (Erate 60% Discount)	25	14	350
Network/Access Costs	Aruba 270 Series Outdoor AP Long Mount Kit. Pole/Wall Mount for AP-270. Positions AP 300 mm from vertical mounting asset (Non Erate)	5	68	340
Network/Access Costs	Aruba 270 Series Outdoor AP Long Mount Kit. Pole/Wall Mount for AP-270. Positions AP 300 mm from vertical mounting asset (Erate 60% Discount)	31	28	868
Network/Access Costs	Aruba AP-275 Wireless Access Point, 802.11n/ac, 3x3:3, dual radio, integrated antennas (Non Erate)	5	898	4,490
Network/Access Costs	Aruba AP-275 Wireless Access Point, 802.11n/ac, 3x3:3, dual radio, integrated antennas (Erate 60% Discount)	31	360	11,160
Network/Access Costs	Aruba AP-325 Wireless Access Point, 802.11n/ac, 4x4:4 MU-MIMO, dual radio, integrated antennas (Non Erate)	607	628	381,196
Network/Access Costs	Aruba AP-325 Wireless Access Point, 802.11n/ac, 4x4:4 MU-MIMO, dual radio, integrated antennas (Erate 60% Discount)	11	252	2,772
Connections/Components	CAT-6e cable runs to AP locations including AP mounting (Non Erate)	12	395	4,740
Connections/Components	CAT-6e cable runs to AP locations	632	158	99,856



## Smart Schools Investment Plan - Longwood SSIP

## School Connectivity

Page Last Modified: 07/10/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	including AP mounting (Erate 60% Discount)			
Connections/Components	On-site installation, optimization (Non Erate)	1	35,000	35,000
Network/Access Costs	350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T, S3500-48T and S3500-24F. (Erate 60% Discount)	2	90	180
Connections/Components	10GBASE-SR SFP+; 850nm pluggable 10GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM3) or 400 meters with OM4 (Erate 60% Discount)	8	224	1,792
Connections/Components	7200 Series or S3500 Four-Post 19 (Erate 60% Discount)	2	18	36
Connections/Components	Cat6e Patch Cables (Non Erate)	134	2	268
Connections/Components	Cat6e Patch Cables (Erate 60% Discount)	6,650	1	6,650
Connections/Components	48 Port Patch Panels (Non Erate)	1	75	75
Connections/Components	48 Port Patch Panels (Erate 60% Discount)	7	30	210
Connections/Components	Small Wall Mount Racks (Erate 60% Discount)	2	120	240
Connections/Components	Installation (Non Erate)	1	83,277	83,277
Connections/Components	Installation (Erate 60% Discount)	1	56,475	56,475
Connections/Components	Infrastructure (Non Erate)	1	237,168	237,168
Professional Services	Architect drawings, specifications, includes overseeing job management and assistance in close outs. (Non Erate)	1	191,033	191,033
Network/Access Costs	UPS (Non Erate)	66	1,500	99,000
Network/Access Costs	Aruba ClearPass Policy Manager 25K Hardware Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Non Erate)	1	29,250	29,250

Smart Schools Investment Plan - Longwood SSIP

Community Connectivity (Broadband and Wireless)

Page Last Modified: 07/13/2016

**Group 1**

1. 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)

2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.

(No Response)

3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).

I certify that we will comply with all the necessary local building codes and regulations.

4. Please describe the physical location of the proposed investment.

(No Response)

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)

6. If you are submitting an allocation for Community Connectivity, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(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)
<b>Totals:</b>	<b>0</b>

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

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

Smart Schools Investment Plan - Longwood SSIP

Community Connectivity (Broadband and Wireless)

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Page Last Modified: 07/13/2016

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

Smart Schools Investment Plan - Longwood SSIP

Classroom Learning Technology

**Questions**

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)**

	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	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(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.

(No Response)

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.

## Smart Schools Investment Plan - Longwood SSIP

## 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.

(No Response)

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?")

(No Response)

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.

(No Response)

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."

(No Response)

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.

(No Response)

- 9b. Enter the primary Institution phone number.

(No Response)

- 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.

(No Response)

Smart Schools Investment Plan - Longwood SSIP

Classroom Learning Technology

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

Are there nonpublic schools within your school district?

- Yes  
 No

11. Nonpublic Classroom Technology Loan Calculator

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of \$250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

See:

[http://www.p12.nysed.gov/mgtserv/smart\\_schools/docs/Smart\\_Schools\\_Bond\\_Act\\_Guidance\\_04.27.15\\_Final.pdf](http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf).

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

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

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

Smart Schools Investment Plan - Longwood SSIP

Classroom Learning Technology

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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](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
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - Longwood SSIP

Pre-Kindergarten Classrooms

**Group 1**

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 pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
- The number of classrooms involved;
- The approximate construction costs per classroom; and
- Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

(No Response)

3. Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.

(No Response)

4. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

5. If you have made an allocation for Pre-Kindergarten Classrooms, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

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

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



Smart Schools Investment Plan - Longwood SSIP

Pre-Kindergarten Classrooms

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

Smart Schools Investment Plan - Longwood SSIP

Replace Transportable Classrooms

**Group 1**

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. If you have made an allocation for Replace Transportable Classrooms, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

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

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

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

Smart Schools Investment Plan - Longwood SSIP

High-Tech Security Features

**Group 1**

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

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

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

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

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

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

**Smart Schools Investment Plan - Longwood SSIP**

Report

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**Smart Schools Investment Plan - Longwood SSIP**

PPU Report

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