

## Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

## SSIP Overview

Page Last Modified: 09/01/2017

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 an approved Smart Schools Investment Plan.

Supplemental submission

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

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

 District Educational Technology Plan Submitted to SED and Approved

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

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

 Parents

 Teachers

 Students

 Community members

- 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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

SSIP Overview

Page Last Modified: 09/01/2017

- 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.

SSBAJune12017 Rev2.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://tinyurl.com/y9glo6cn

- 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	0
Connectivity Projects for Communities	0
Classroom Technology	1,247,863
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
<b>Totals:</b>	<b>1,247,863</b>

Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

School Connectivity

Page Last Modified: 08/30/2017

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

(No Response)

4. Describe the linkage between the district's District Instructional Technology Plan and 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?")

(No Response)

Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

School Connectivity

Page Last Modified: 08/30/2017

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

Please describe how you have quantified this demand and how you plan to meet this demand.

(No Response)

- 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
(No Response)

- 7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

(No Response)

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

Name	License Number
(No Response)	(No Response)

- 9. 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	(No Response)
Outside Plant Costs	(No Response)
School Internal Connections and Components	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

School Connectivity

---

Page Last Modified: 08/30/2017

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.**

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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology Community Connectivity (Broadband and Wireless)**

Page Last Modified: 08/30/2017

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

(No Response)

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

(No Response)

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

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

- Please describe the physical location of the proposed investment.**

(No Response)

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

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

- 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>

- 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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Community Connectivity (Broadband and Wireless)

---

Page Last Modified: 08/30/2017

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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Classroom Learning Technology

Page Last Modified: 09/01/2017

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 adjusted speed required for the District in the Smart Schools Connectivity Waiver is 460 Mbps of Internet Bandwidth. Presently, the District has 850 Mbps of Internet Bandwidth, which exceeds the adjusted speed required of 450 Mbps.

- 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)

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.

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 use of technology. Additionally, the District consulted with vendors to conduct site surveys, and visited other school districts that have implemented wireless connectivity to learn about their best practices. Based on this information the District calculated 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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology**Classroom Learning Technology

---

Page Last Modified: 09/01/2017

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.

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 is planning to purchase Chromebooks, tablets, laptops, computer desktops and mobile carts to power the devices. The District's current network infrastructure supports Windows, Android, Chrome and Apple devices. The proposed wireless infrastructure is designed to support different platforms i.e. (Windows, Android, Chrome and Apple OS). The District has adequate electrical, air conditioning, and venting systems to support the planned technology.

**Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology**

## Classroom Learning Technology

Page Last Modified: 09/01/2017

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?")

The District's technology acquisition plan is the following:

Purchasing of Chromebooks, laptops, tablets, and computer desktops for ALL students use in grades K-12 with mobile carts to power and store them.

Purchasing of Chromebooks for all teachers.

Purchasing of Chromebooks for instructional leaders (principals, assistant principals, directors)

#### **Students in Grades K-8**

The proposed plan is to purchase Chromebooks to continue to support the use of the i-Ready program in grades K-8. In 2016, the District implemented the i-Ready adaptive web-based reading and mathematics program in grades K-8 to increase students' reading and mathematics levels. Since our implementation, we've seen measurable growth in students' reading and mathematics levels.

i-Ready is used to measure students' instructional level in reading and mathematics. The program provides each student with a customized learning path at their level. District and school data team meet regularly to review students' usage reports. These reports are analyzed to identify areas where students need to improve, allowing faculty to provide additional support to them using other instructional interventions.

Presently, students use the program in the computer labs, which are limited. The Chromebooks will build our technology capacity, allowing students more time on task, resulting in improving their reading and mathematics levels.

#### **Students in Grades K-2**

Tablets will be used in Grades K-2 to support students' reading, mathematics and digital literacy development.

#### **Students in Grades K-12**

In 2014, the District implemented Google Apps for Education in grades K-12. All faculty and students have a Google account. Training for faculty in using Google Apps for Education has been on-going. Many faculties are using many Google products with their students, particularly Google Docs, Sheets, Slides, Forms and Classroom to enhance their curriculum. The faculty is also using Google Sites to enhance communication between their students and parents. Our students are using Google to create, share, collaborate and publish research documents and other projects, resulting in an increase in students' reading, writing, revising, editing and getting more experience in digital literacy.

Since our implementation our faculty and students have created tens of thousands of Google docs, sheets, slides and we are seeing an increased use in Google Classroom.

The purchase of Chromebooks will provide more opportunities for our students to use applications that will allow them to conduct research, work on project based learning, collaborate with their teachers and peers, share and publish their work, resulting in our students becoming digital literate.

#### **Students in Grades 9-12**

In 2017, the District implemented Edmentum, a web-based educational content program in the high school to help students who were having difficulties in Algebra and deficient in credit. Many of our students use Edmentum to participate in learning recovery, having additional opportunities to learn difficult concepts. Since students rely on the computer laboratories to access the program, the Chromebooks will give the school more technology capacity to help students recover learning of content and high school credit.

In the next school year, we will be making greater use of the Naviance program. Naviance a college and career program will be expanded in grades 7-12 to assist students in developing their individualized learning plans as part of the academies. Students will use the Chromebooks to access Naviance.

#### **Students in Grades 8-12**

The District has a strong Career and Technical Education (CTE) program and is committed to provide teachers and students with up-to-date technology to support their use of engineering, architecture, and computer aided design, coding and desktop publishing applications. The purchase of the laptops and desktops will add more capacity for our CTE program in grades 8-12.

#### **Middle school one to one student: Chromebooks pilot**

Part of our plan is to provide 60 Chromebooks for a 1:1 student: technology pilot at our middle school. We are looking to select two fifth grade classes

**Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology****Classroom Learning Technology**

---

Page Last Modified: 09/01/2017

to conduct this pilot. The goal of the pilot is to learn about the best practices for a 1:1 student: technology roll out and to lay the foundation of our future 1:1 student: technology implementation. The teachers who will be involved in the pilot are well versed in technology integration and have taken leadership roles in promoting the use of technology at their school. At some point in the pilot, the students will be allowed to use their Chromebooks at home. The cases will be needed to facilitate the carrying of the Chromebooks between home and school.

**Expand students' learning outside the classroom**

All the programs mentioned above are web-based. Students have access to them outside of the school day and hours. The District has taken the following steps to inform parents about these programs and to promote their use outside of the school day:

**Parent Curriculum Forum**

Posted user guides on the District's website ([www.longwood.k12.ny.us](http://www.longwood.k12.ny.us)) on how to access these programs. Use of social media (i.e. Twitter, Facebook) to publish information about the programs. Work with the local library to inform the library staff about the programs for them to assist our parents and students.

Provide parents and guardians with access to reports to monitor their child's learning activities.

**Benefit students with disabilities**

Students in Special Education use a variety of software and applications that are being used to increase, maintain, or improve academic and functional capabilities. Speech-to-text, also referred to as voice typing, enables users to use their voice to type, edit and format a document. This technology is available through Google Docs. Students are also using Google Docs through their Longwood Google Chrome account. Google Docs is a web-based word processor that would be accessible from any device that has internet connectivity.

Speech-to-text and text-to-speech are also available through the extension; Read & Write for Google provides word processing support tools to assist students with reading, writing and comprehension skills. Word prediction is a feature, which prompts students who struggle with writing to use proper spelling, grammar, and vocabulary. These powerful tools develop confidence and greater independence for students with special needs.

Longwood Special Education students who are non-verbal or have limited functional communication skills have been highly successful when given access to a tablet computer that has communication applications. Our students use the apps Proloqu2Go, Touchchat or Words for Life. Many of our students who cannot read traditional print books because of visual impairment, physical disability or severe learning disability, access electronic books through Bookshare. Bookshare is an online library of digital books through their Bookshare account.

**English Language Learners**

The District has subscribed to a web-based program, Raz-Plus. The program offers the following resources designed for English Language Learners: Leveled Reader Packs; Content Picture Packs; Language Skill Packs; Vocabulary Packs and Assessments.

The use of the Chromebooks will help our ELLs with additional resources to access Raz-Plus and other applications such as Google Translator.

Students are using Google Translator to help translate important texts and to look up unknown words. Students will also have access to educational video sources, which help them to understand difficult learning concepts.

**Teachers**

Our plan is to provide Chromebooks with carrying cases to our teachers. We believe that providing our teachers with Chromebooks will help them to effectively integrate technology into their curriculum benefiting their students. Teachers will learn about the use of the Chromebooks, apps, and extensions in the classroom. The Chromebooks will help teachers to collaborate more online with colleagues about instruction and learning. Teachers will have increased real-time access to quality instructional resources and pedagogical strategies.

**Instructional Leaders**

Our plan is to also provide Chromebooks with carrying cases to our principals, assistant principals and directors who oversee the teaching and learning process. They will learn about the use of Chromebooks, apps and extensions in the classroom. Using the Chromebooks will also allow them to model best instructional and learning practices for their faculty and students.

**Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology**Classroom Learning Technology

---

Page Last Modified: 09/01/2017

7. **Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

The District is planning on purchasing Chromebooks, laptops, tablets and computer desktops to enhance student's learning in all subject areas. Programs to improve students' achievement that the District has implemented over the years provide opportunities for ongoing communication between the school, parents and other stakeholders.

Administrators, teachers, and parents have access to reports that monitor students' growth in reading and mathematics. Administrators and teachers are using these reports to better communicate with parents about their child's progress. Parents are also able to view parent reports online. Students in the high school and junior high school will use the Chromebooks to access Naviance to help them prepare for college and career. Naviance is a web-based college and career readiness platform that enables students to learn about careers, academic planning, and college preparation. Naviance Family Connection's module provides parents with the tool to assist their child with planning for career and college.

Students in elementary grades have been using the Chromebooks to work on collaborative research projects. Elementary students across the District use Google to work collaboratively with their peers. Parents have been assisting their children with these projects and are invited to the schools for project showcase. Students' projects are converted to QR codes. At the showcase, parents use their smart devices to download their child's project.

Administrators and teachers have attended regional conferences on technology, such as the Suffolk Technology Asset Conference. They have shared best practices with their colleagues. Additionally, the District's Director of Technology participates in Eastern Suffolk BOCES technology stakeholder meetings. The director has shared best practices with District administrators, principals, and technology mentors. Many of our teachers are beginning to use Google Hangouts to connect with other classrooms on project based learning activities. Additionally, our librarians use video conference service providers to offer students virtual field trips.

Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Classroom Learning Technology

Page Last Modified: 09/01/2017

- 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.”**

Longwood Central School District will continue to provide quality professional development and learning opportunities to support the delivery of high quality instruction for all students. Our professional development plan and topics stemmed from faculty and staff surveys expressing their interests and needs to be well equipped to serve ALL students. We are using both in-district and out of district personnel, resources to provide quality professional development to our faculty and staff. The table below outlines our technology professional development goals for the coming school year.

Stakeholder(s)	Needs	Goal(s)	Topics/Method of Delivery
Administrators	To support teachers and students use of technology. All administrators who oversee the teaching and learning process must be knowledgeable about the types of technology devices and applications that teachers and students are using.	To provide professional development in technology applications to central administrators, directors, principals and assistant principals to build their knowledge base on best practices to support students’ learning.	<p>Opportunities to attend State and regional technology conferences (i.e. NYSCATE, Suffolk Asset) will be offered to administrators. They will be exposed to best practices and network opportunities with other districts.</p> <p>We will use our Model School Days with ES BOCES to train our administrators in G Suite (i.e. Google Classroom, Google Forms, Google Chrome, Apps, and Extensions) and the use of Chromebooks.</p>
Teachers	For many years, the District was mostly using desktop computers running Windows Operation Systems. In the past couple of years, the District began to acquire Chromebooks, along with G Suite, Apps, and Extensions.	To provide professional development to teachers in the following Google applications: Google Sites to support parent and student communication. Google Classroom, Apps, and Extensions- to provide students with online learning experiences; to integrate multimedia into the curriculum; to extend students’ learning beyond the regular school day and hours and to create interactive lessons to engage students.	<p>Building principals will use the technology mentors assigned in their building to provide professional development to their teachers in G Suite and the use of the Chromebooks.</p> <p>The Director of Technology will work with ES BOCES Model Schools to offer in-service technology courses for teachers. Collaboration with the teacher center, MESTRACT will continue to provide technology training for teachers.</p> <p>The Assistant Superintendent for Instructional and Learning will work with the District’s principals and directors to plan the professional development calendar and the contents.</p>

Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Classroom Learning Technology

Page Last Modified: 09/01/2017

Staff	Administrators rely on their clerical staff to support the daily operations of their departments. Clerical staff must be well versed in the tools that the administrators are using. A survey was conducted and training in various GSuite apps was requested.	The technology department will hold training for the District's clerical staff in the following applications: Google Calendar, Google Forms, Chromebooks, Google Docs, Sheets and Slides.	Staff will be trained by ES BOCES Model Schools.
-------	--	---	--

**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.**

Stony Brook University

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

631-632-7067

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

Craig Markson, EdD and Annette Shideler, EdD

**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)

Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Classroom Learning Technology

Page Last Modified: 09/01/2017

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	83,040
Laptop Computers	867,198
Tablet Computers	130,260
Other Costs	167,365
<b>Totals:</b>	<b>1,247,863</b>

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.

## Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

## Classroom Learning Technology

Page Last Modified: 09/01/2017

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	2,367	334	790,578
Laptop Computers	Laptop Computers Windows OS	60	1,277	76,620
Other Costs	Laptop Warranty 5 Year	60	204	12,240
Desktop Computers	Desktop Computers Windows OS	60	1,384	83,040
Other Costs	Desktop Computers Warranty 5 Year	60	86	5,160
Other Costs	Desktop Computerd Monitor 22	60	130	7,800
Tablet Computers	Tablets Android OS	390	334	130,260
Other Costs	Chromebooks cases for students (rugged case for equipment protection; users can work directly from case)	60	30	1,800
Other Costs	Chromebooks cases for faculty ( case contains compartments)	777	45	34,965
Other Costs	Mobile carts	68	1,550	105,400



Smart Schools Investment Plan - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Pre-Kindergarten Classrooms

Page Last Modified: 08/30/2017

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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Pre-Kindergarten Classrooms

---

Page Last Modified: 08/30/2017

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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

Replace Transportable Classrooms

Page Last Modified: 08/30/2017

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 - 2016-17 Version (Original) - Longwood CSD Phase 2 Classroom Technology

High-Tech Security Features

Page Last Modified: 08/30/2017

- 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)

- 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)

- Was your project deemed eligible for streamlined Review?

- Yes  
 No

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

Name	License Number
(No Response)	(No Response)

- 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>

- 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)