Page Last Modified: 05/02/2017

Group 1

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

Michael Lee

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

914-733-2722

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

mlee@pvcsd.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 occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
☑ The district prepared a final plan for school board approval and such plan has been approved by the school board.
☑ The final proposed plan that has been submitted has been posted on the district's website.

Page Last Modified: 05/02/2017

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.

Approved SmartBondAct-PVCSD-April 2016.pdf
Approved Resolution.pdf

5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

http://pvcsd.org/BOE/pdf/SmartBondAct-PVCSD-Jan2016.pdf

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.

2,100

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:

$915,998

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	517,535
Connectivity Projects for Communities	0
Classroom Technology	164,106
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	**681,641**

Page Last Modified: 05/02/2017

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.

PVCSD currently subscribes to 200 Mbps Internet service through Southern Westchester Boces / LHRIC. Our student population is 1,730. This currently exceeds the 100 Mbps per 1,000 students minimum standard.
Our ISP (LHRIC) will provide burstable capabilities if required during times of high demand such as Computer Based Testing.

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	1,730	173,000	173	200	300	currently met

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

We plan to replace our Core and Edge wired infrastructure, as well as our wireless infrastructure. This will enable us to subscribe to higher Internet bandwidth. More bandwidth = less latency when accessing hosted resources like Google Drive (for instructional purposes) and Computer Based Testing. The purchases listed in question #10 represent a complete overhaul of our wired and wireless infrastructure. We'll be replacing ALL our wired switches with Cisco Catalyst 3850 and 2960 models, and wireless access points with Cisco/Meraki cloud managed access points.

Page Last Modified: 05/02/2017

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?)

In alignment with our NYSED approved instructional technology plan, we are prioritizing on the enhancement of facilities to serve as Active Learning Spaces to transform our currently under-utilized spaces into a vibrant school learning space, where the emphasis is creativity and showcase of student work and instructional interaction. These enhanced spaces will remove the barriers of a traditional classroom and create a visual appeal that will drive active learning and productivity. The enhanced facilities will encourage the use of mobile learning devices such as: laptops, tablets, and a separate area for an interactive projector screens and teleconferencing equipment enabling instant presentation and distance learning capabilities.

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.

Our district currently has a 1:1 laptop program - every student, teacher, and staff member has their own laptop. As such, our existing wired and wireless network was designed from the ground up to be robust and secure. While we are able to meet current bandwidth demands, content rich material continues to grow. With hosted (cloud) solutions gaining popularity, using SSBA funds to update our network infrastructure will ensure all members of the school community reliable access to the educational content they wish to create and consume.

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
48-05-03-04-7-999-BA1

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?

Yes

7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☑ I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Russell A. Davidson	19885

Page Last Modified: 05/02/2017

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	346,370
Outside Plant Costs	(No Response)
School Internal Connections and Components	171,165
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**517,535**

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.
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.

Page Last Modified: 05/02/2017

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	Catalyst 2960-X FlexStack Plus Stacking Module	20	717	14,340
Connections/Components	Cisco Catalyst 3850 2 x 10GE Network Module	7	1,500	10,500
Connections/Components	Cisco Catalyst 3850 4 x 10GE Network Module	8	2,400	19,200
Connections/Components	Mode Conditioning Patch cable; LC connector	94	300	28,200
Network/Access Costs	Meraki MR34 Cloud Managed AP	114	659	75,171
Network/Access Costs	1100W AC Config 1 Secondary Power Supply	12	900	10,800
Connections/Components	10GBASE-LR SFP Module	1	2,397	2,397
Connections/Components	10GBASE-LRM SFP Module	94	597	56,118
Network/Access Costs	Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	9	4,157	37,416
Network/Access Costs	Catalyst 2960-X 48 GigE, 2 x 10G SFP+, LAN Base	11	2,909	32,003
Network/Access Costs	Cisco Catalyst 3850 48 Port (12 mGig+36 Gig) UPoE LAN Base	8	7,500	60,000
Network/Access Costs	Cisco Catalyst 3850 24 mGig Port UPoE LAN Base	7	7,500	52,500
Network/Access Costs	Cisco Catalyst 3850 24 mGig Port UPoE IP Base	4	8,340	33,360
Network/Access Costs	Meraki MR Enterprise License, 5 Years	114	270	30,780
Connections/Components	Cisco Installation	365	150	54,750

Page Last Modified: 05/18/2016

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)
Totals:	**0**

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

Community Connectivity (Broadband and Wireless)

Page Last Modified: 05/18/2016

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)

Page Last Modified: 05/02/2017

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.

PVCSD currently subscribes to 200 Mbps Internet service through Southern Westchester Boces / LHRIC. Our student population is 1,730. This currently exceeds the 100 Mbps per 1,000 students minimum standard.
Our ISP (LHRIC) will provide burstable capabilities if required during times of high demand such as Computer Based Testing.

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	1,730	173,000	173	200	300	currently met

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

Our district currently has a 1:1 laptop program - every student, teacher, and staff member has their own laptop. As such, our existing wired and wireless network was designed from the ground up to be robust and secure. While we are able to meet current bandwidth demands, content rich material continues to grow. With hosted (cloud) solutions gaining popularity, using SSBA funds to update our network infrastrucure will ensure all members of the school community reliable access to the educational content they wish to create and consume.

Page Last Modified: 05/02/2017

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 Putnam Valley Central School District's Technology Plan approved by NYSED outlined the need for providing learning opportunities for students via online collaboration, more professional development for teachers and using online spaces for teaching and learning. The district is planning an instructional technology investment via the SSBA funding that will support these goals. In direct alignment with our anywhere, anytime access to rich-content goal we want to strengthen our efforts addressing diverse learning modalities and needs of our students. The district is adoption as instructional technology in the classroom the development and implementation of Active Learning Spaces. The active learning spaces design provides Educators and students with the benefits and advantages of cooperative, active, and engaged learning. Upgrading these classrooms and instructional spaces to support a shift in teaching and learning will create a significant opportunity for maximizing learning opportunities and creating meaningful experiences by rethinking the classroom experience.

The district has already invested and sustained an investment in mobile learning devices via a 1 to 1 program. The Active Learning Spaces will consider the acquisition of specialized furniture, flat panel displays and other components that adapt to different learning needs and modalities, collaborative team work, small group, discussion, informal and formal conversations all in the purpose of the learning process. Active learning spaces provide students with different venues to learn in terms of acquiring content; processing, constructing, making sense of ideas. For teachers, provides with the experience and potential to develop teaching materials and assessment tools to measure progress in a holistic approach for all students so they can learn effectively, regardless of differences in ability. Furthermore, Active Learning Spaces/Maker Spaces/Instructional Spaces will provide for the application of the learning and the acceleration of the creative process.

The items outlined in Question #15 can be parsed into two categories; furniture to enhance the active learning spaces, and the equipment we plan to use in the Active Learning Spaces. The furniture items (as mentioned above) will allow the Active Learning Spaces to transform into the room configuration needed for a particular project, enhancing the learning and teaching experience.
The equipment will benefit student outcomes as such:
AV Production Equipment: Many of the equipment items listed in Question #15 pertain to the art of Audio / Video Production, inclusive of print media. Students will draw from all academic disciplines from ELA for script writing, art for storyboarding scenes, and math for editing, while engaging in collaborative projects for publication and web delivery.
Robotics: Students will be able explore coding and how it interacts with the physical environment through the use of robotic products from Lego Mindstorm and NAO Robotics. Coding benefits student educational outcomes by:

1. Utilizing creative writing skills
2. Preparing students for 21st Century Careers
3. Building self-confidence (work at their own pace, no defined "right way")
4. Leaning a new language (cognitively like learning a new language)

In summary, the sustained investment in instructional mobile devices made by Putnam Valley CSD and the acquisition via the Smart Schools Bond funding opportunity for Instructional Technology supporting Active Learning Spaces will integrate seamlessly with our instructional framework and goals. The proposed investment will work as an addition to the technology and allied facilities for instruction at our district. Power and HVAC capabilities currently in place exceed the demands of these additions. Referred to the School Connectivity, the proposed connectivity devices are simply capable of higher throughput as newer technology components.

Page Last Modified: 05/02/2017

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?"

As stated in our NYSED approved instructional technology plan, through the one to one laptop program, all students from 7th to 12th grade including those with disabilities have access to technology on a 24/7 basis. Any student that requires assistive technology through their IEP will be provided with a device accordingly. The PVCSD complies with all regulations and provisions for students with disabilities and English language learners. We specifically provide for students with IEPs in outplacement settings, homeschooled, as well as those who take courses at our local BOCES technology center.

Enhancing Differentiated Instruction
The Putnam Valley Central School District Instructional Technology Plan as approved by NYSED outlines opportunities for online collaboration, professional development for teachers and the use of online spaces for teachers and students facilitating learning through the use of rich media content when teaching and learning. The Putnam Valley CSD believes in differentiated instruction and has set a curriculum framework for effective teaching that involves providing all of our students with different venues to learn in terms of acquiring content; processing, constructing, making sense of ideas; teachers develop teaching materials and assessment tools to measure progress in a holistic approach for all students within a classroom so they can learn effectively, regardless of differences in ability.
Our students vary in race, ethnicity, culture, language, gender, motivation, ability/disability, personal interests and more, and teachers must be aware of these varieties as they plan their curriculum and lesson plans. By considering varied learning needs, our teachers can develop personalized instruction so that all children in the classroom can learn effectively integrating the use of desktop computers and laptops to the instructional delivery in the classroom.

Expanding Student Learning inside and Outside the Classroom
Research has proven that a consistent set of strategies to expand learning time via specific programs can effectively improve a wide range of educational outcomes. These programs also provide particular benefit to economically disadvantaged students. While the District has been forward thinking in providing 1:1 computer access to all students, this smart school initiative will further strengthen our efforts to lengthen the school day or year via access anywhere and anytime to digital educational content via laptop computers and instructional mobile devices. This expansion of access will help raise and sustain academic achievement while providing out-of-school-time opportunities to boost learning via homework completion, project-based learning, and community based activities. In addition, our school district makes every effort to provide with technology resources, curriculum and professional development to support these efforts. With the SSBA funding opportunity, the district will also provide access to active learning spaces where students can be engaged to learn in multiple formats: Collaborative teams, small group discussions, informal / formal conversations, and project creation, development, and implementation. Active learning spaces provide venues to address different learning modalities and needs as well as the application of the learning and the acceleration of the creative process.
As mentioned above, the furniture items will allow the Active Learning Spaces to transform into the room configuration needed for a particular project, enhancing the learning and teaching experience.
The equipment will benefit student outcomes as such:
AV Production Equipment: Many of the equipment items listed in Question #15 pertain to the art of Audio / Video Production, inclusive of print media. Students will draw from all academic disciplines from ELA for script writing, art for storyboarding scenes, and math for editing, while engaging in collaborative projects for publication and web delivery.
Robotics: Students will be able explore coding and how it interacts with the physical environment through the use of robotic products from Lego Mindstorm and NAO Robotics. Coding benefits student educational outcomes by:
1. Utilizing creative writing skills

Page Last Modified: 05/02/2017

2. Preparing students for 21st Century Careers
3. Building self-confidence (work at their own pace, no defined “right way”)

Leaning a new language (cognitively like learning a new language)

Instructional Technology Investments and Students with Disabilities and English Learners

In compliance with Federal and State Regulations, our school district provides instructional technology devices and support to students with IEPs as well as accommodations to ensure they participate in the learning process. We are committed to address the needs of students with disabilities and ensure equitable access to all instructional and assessment materials. For example, if a student has technology support need or an assistive technology device listed in their IEP or 504 plan, the district makes accommodations as a priority for instructional and compliance purposes. Equal attention is provided to our growing population of English Learners as part of our efforts to provide tools and access to digital learning to all students of the Putnam Valley Central School District.

Reduction/Elimination of Learning Gaps

The Putnam Valley Central School District understands the need to reduce and or eliminate any learning gaps for our students. We believe that a presence of an achievement gap creates also an opportunity by allowing us to address in advance, learning needs and academic progress for each student from a holistic approach that provides them with the technology tools and access to digital learning materials. Our student promotion policies grade by grade support this goal. Our School Report Card reflects these continuing efforts and the evidence of the work of our educators and students in building capacity to meet the NYSED learning standards and achieving academic excellence.

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.

Our district plans to utillize the suite of hosted Google resources to augment the clasroom environment by enhancing communications with the students, parents, and other stakeholders. The standardized platform will allow all stakeholders to easily find relevant information about their students' education.

By upgrading our network infrastructure, access to Google (and other hosted educational resources) will be faster and more reliable. Regional partnerships and distance learning opportunities, by extension, would naturally be enhanced given the increased bandwidth potential an infrastructure upgrade inherently brings. All these enhancements to our network translate into increased opportunities for communications between parents, teachers, and the school community at large.

Page Last Modified: 05/02/2017

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."

Our district plans to contract with our local Boces for two full days per week of professional development with regard to rolling out the suite of Google hosted products to staff, teachers, and administrators. Since in a hosted model, the network is the system, all users will benefit from an infrastructure upgrade.
Our intent is to have an aggressive professional development schedule as outlined in our NYSED approved instructional technology plan.
Topics Audience Delivery Method
Google Classroom High School LHRIC-Model Schools
Blended Learning Middle and High School LHRIC-Model Schools
Achieve3000 District Wide LHRIC-Model Schools
Instant Feedback Response Systems District Wide LHRIC-Model Schools
Flipping Your Classroom Institute District Wide LHRIC-Model Schools
Beyond YouTube in the Classroom District Wide LHRIC-Model Schools
Ipad Essentials Elementary School In House Trainers
SmartBoard Integration District Wide In House Trainers
Coding Basics District Wide In House Trainers
MakerSpace District Wide LHRIC
Advanced Integration of LMS Middle and High School In House Trainers

9. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.

☑ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

9a. Please enter the name of the SUNY or CUNY Institution that you contacted.

SUNY New Paltz

9b. Enter the primary Institution phone number.

845-257-7869

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.

MICHAEL ROSENBERG

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

Page Last Modified: 05/02/2017

11. Nonpublic Classroom Technology Loan Calculator

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

See:

http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

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

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

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	164,106
Totals:	**164,106**

Page Last Modified: 05/02/2017

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Lego Mindstorm EV3	30	350	10,500
Other Costs	NAO V5 Educator Pack (Robotics)	6	9,000	54,000
Other Costs	Canon XF-300	6	3,500	21,000
Other Costs	SanDisk 16 GB CF Card	6	30	180
Other Costs	ARRI SkyPanel LED SoftLight	5	4,050	20,250
Other Costs	DJI Ronin 3-Axis Gimbal Stabilizer	5	2,500	12,500
Other Costs	Manfrotto Tripod	5	360	1,800
Other Costs	Manfrotto Alu Master Stand	3	115	345
Other Costs	Matthews C Stand	2	221	442
Other Costs	Tascam DR-40 Recorder	5	230	1,150
Other Costs	Audio-Technica Hypercardiod Microphone	5	600	3,000
Other Costs	Vizio LED TV	6	430	2,580
Other Costs	Epson Projector	6	1,380	8,280
Other Costs	Canon Wide Format Printer	1	3,699	3,699
Other Costs	Motiv two seat sofa	3	950	2,850
Other Costs	Motiv Table	2	240	480
Other Costs	Activity Table	10	330	3,300
Other Costs	Motiv Armless Chair	5	665	3,325
Other Costs	Table with Laminate	15	530	7,950
Other Costs	Cafe Table	5	530	2,650
Other Costs	Swivel Stool	15	95	1,425
Other Costs	Chair - Contemporary	40	60	2,400

Page Last Modified: 05/17/2016

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)
Totals:	**0**

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

Pre-Kindergarten Classrooms

Page Last Modified: 05/17/2016

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)

Page Last Modified: 05/17/2016

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)
Totals:	**0**

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.
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)

Page Last Modified: 07/28/2016

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)
Totals:	**0**

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.
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)

High-Tech Security Features

Page Last Modified: 07/28/2016