Smart Schools Investment Plan - WUFS SMART 2

SSIP Overview

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Group 1

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

Jacqulyn Insogna

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

518-835-2171

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

jinsogna@wufsk8.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.

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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.

board meeting.doc
Scanned from Main Office Copier (15).pdf
Tech BOE November 21 2016 (1).pdf
InstructionalTechnologyPlansurveyWheelerville.docx_2.pdf
TechnologyPlan2010-13.docx (1).pdf

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

http://www.wufsk8.com/?page_id=12407

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.

145

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:

$144,133

11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.

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	Sub-Allocations
School Connectivity	14,989
Connectivity Projects for Communities	0
Classroom Technology	13,972
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	**28,961**

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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.

Within our service contract through NERIC we surpass the need of 100 Mbps per 1000 students since we have contract 40 Mbps and our need is 14.2 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	142	14,200	14.2	40	40	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.

Based on a wireless network and site survey the current access points proved to not be sufficient to handle the increased number of devices. From this survey there was a recommendation of adding four additional access point in the cafeteria, gymnasium, bus garage and in the hallway between the cafeteria and gymnasium towards the library. In the bus garage the Aerohive Access Points will include a local portal and guest access splash page. The end result will be to implement 12 Meraki MR42 Access Point. The MR42 is a high density solution to accommodate the increased usage of wireless devices in the school.

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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?)

Our mission is to create an environment that integrates technology as a natural part of the educational experience and provides all learners with the skills to access knowledge that will build a foundation for their future.
We will accomplish this vision by creating a dynamic technological environment that allows the community of learners equal access to interact and collaborate successfully. We believe that the use of technology as a part of the curriculum should focus on supporting higher-level learning, problem solving, critical thinking skills, and collaboration. The projects involved in this submission, specifically the new Meraki Access Points, will allow students improved and less interrupted access to new the devices in the building. This solution will accommodate the increased usage of wireless devices in the school.

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.

Within our service contract through NERIC we surpass the need of 100 Mbps per 1000 students since we have contract 40 Mbps and our need is 14.2 Mbps. Since there is an increase in devices and based on a wireless network and site survey the current access points proved to not be sufficient to handle the increased number of devices. From this survey there was a recommendation of adding four additional access point in the cafeteria, gymnasium, bus garage and in the hallway between the cafeteria and gymnasium towards the library. In the bus garage the Aerohive Access Points will include a local portal and guest access splash page. The end result will be to implement 12 Meraki MR42 Access Point. The MR42 is a high density solution to accommodate the increased usage of wireless devices in the school.

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
17-03-01-02-0-002-007

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

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.

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	Sub-Allocation
Network/Access Costs	8,238
Outside Plant Costs	1,543
School Internal Connections and Components	2,828
Professional Services	2,380
Testing	0
Other Upfront Costs	0
Other Costs	(No Response)
Totals:	**14,989**

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.

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	Wireless Access Points	12	679	8,103
Professional Services	Licence for Access Points	14	170	2,380
Connections/Components	Antenna	2	214	428
Outside Plant Costs	External Antenna	2	771	1,543
Connections/Components	Install CAT Wiring	1	2,400	2,400
Network/Access Costs	TP-Link, Archer C7 Ac1750 Dual Band Wireless AC GigabitRouter	1	135	135

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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.

NA

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.

NA

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.

NA

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.

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

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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.

Within our service contract through NERIC we surpass the need of 100 Mbps per 1000 students since we have contract 40 Mbps and our need is 14.2 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	142	14,200	14.2	40	40	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.

Based on a wireless network and site survey the current access points proved to not be sufficient to handle the increased number of devices. From this survey there was a recommendation of adding four additional access point in the cafeteria, gymnasium, bus garage and in the hallway between the cafeteria and gymnasium towards the library. In the bus garage the Aerohive Access Points will include a local portal and guest access splash page. The end result will be to implement 12 Meraki MR42 Access Point. The MR42 is a high density solution to accommodate the increased usage of wireless devices in the school.

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4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.
Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

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

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5. Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.

The building electrical infrastructure is more than capable than to support multiple devices. The building HVAC and electrical system meet the SED guidelines for student occupied instructional area. All heating an cooling systems are comprised of filtration system to ensure indoor air quality.

Apple MacBook Air 13.3 Apple MacBook Air 13.3" Notebook - Intel Core i5 Dual-core (2 Core) GHz - 8 GB LPDDR3 RAM - 128 GB SSD - Intel HD Graphics 6000 LPDDR3 - Mac OS X 10.11 El Capitan - 1440 x 900 16:10 Display - Bluetooth - IEEE 802.11ac Wireless LAN - The building electrical infrastructure is more than capable than to support multiple devices. The building HVAC and electrical system meet the SED guidelines for student occupied instructional area. All heating and cooling systems are comprised of filtration system to ensure indoor air quality. ASUS ZenFone 2 (16GB is & being used for 30 kit version. 64GB is & being used for 20 and 10 kit version) All Google Expeditions phones in our kits have been approved by Google and meet the following specs and have the following features: GPU comparable with an Adreno 330: This is the most important spec, A gyroscope, magnetometer, accelerometer: This is essential for determining orientation and doing head-tracking in virtual reality viewer, High resolution screen: 1080p is the minimum required, Minimum of 2GB ram, 3 or 4 would be better, 2.4ghz and 5ghz wifi support, 16GB flash memory (32GB and/or support for MicroSD is preferred), Android 5.0 Lollipop or later The building electrical infrastructure is more than capable than to support multiple devices. The building HVAC and electrical system meet the SED guidelines for student occupied instructional area. All heating an cooling systems are comprised of filtration system to ensure indoor air quality.
Pelican Case Store all the devices in one "ready-to-go" durable case. The case is 43" tall with a custom dense foam insert and dual tray system

Insignia A full-size tablet for the teacher to "guide" the students in Expeditions. (Note: The teacher "guide" portion of the Google Expeditions app, does not utilize gyroscope, etc.)

Fire Kids Edition Tablet, 7" Display, Wi-Fi, 8 GB, Green Kid-Proof Case Display 7" touchscreen, 1024 x 600 resolution at 171 ppi, SD video playback, with IPS (in-plane switching) technology and advanced polarizing filter, Size 8.6" x 5.4" x 1.0" (219 x 138 x 25.5 mm), Weight 14.3 ounces (405 grams), Actual size and weight may vary by configuration and manufacturing process, CPU & RAM Quad-Core 1.3 GHz with 1 GB of RAM, Storage: 8 GB (4.5GB available to user) or 16 GB (11.6 GB available to user), up to 7 hours of reading, surfing the web, watching video, and listening to music (based on mixed usage outside of Amazon FreeTime mode). Battery life will vary based on device settings, usage, and other factors such as web browsing and downloading content. Actual results may vary.Wi-Fi Connectivity Single-antenna Wi-Fi. Supports public and private Wi-Fi networks or hotspots that use the 802.11b, 802.11g, or 802.11n standard with support for WEP, WPA, and WPA2 security using password authentication; does not support connecting to ad-hoc (or peer-to-peer) Wi-Fi networks, Additional Features External volume controls, built-in Bluetooth with support for A2DP compatible stereo headphones, speakers, microphone, and LE accessories support, Accessibilility Features VoiceView along with Screen Magnifier enable access to the vast majority of Fire tablet features. VoiceView features IVONA's award-winning natural language text-to-speech voice. Fire OS 5 also includes system-wide Closed Caption settings, adjustable font sizes up to 50% larger, and a variety of book reading text adjustments such as adjustable colors and text spacing. Also includes adjustable font color and built-in Oxford dictionary. System Requirements Fire Kids Edition is ready to use right out of the box—no setup, no software to install, no computer required to download content. Warranty and Service: 2-year worry-free guarantee. Coverage for anything that happens to your Fire Kids Edition including electrical and mechanical breakdowns.
zSpac: e zSpace, Inc.® is a leading technology provider that delivers a new way of learning with its flagship product, zSpace®. zSpace is an interactive hardware and software platform that allows users to visualize, create and experience in ways not possible in a traditional computer environment. zSpace's virtual reality environment gives depth to the digital learning experience by improving the ways things are studied, explored, and designed. zSpace Studio 2015 - over 600 models, providing prepared activities in all sciences and history, zSpace solutions incorporate unique software and a special zSpace display • A zSpace display is a highdefinition immersive monitor with full resolution images rendered for each eye and uses sensors to track the viewing angle of the user • The zSpace stylus manages all interactions in the immersive spaces • Applications include K-12, higher education, medical, design and professional training • Development platform for creating new applications and integrating new input devices Specifications • zSpace display: 24 inch HD LCD (1080p/120Hz) with built-in tracking sensors • Stylus with 3-buttons and integrated infrared LED • Polarized passive eyewear.
Mattel View Master you can slide your smartphone into the viewer, look at the Preview Reel and simply click the lever to launch yourself into 360-degree immersive experiences. The Preview Reel included with the View-Master VR Starter Pack allows you to demo available apps so you can try all Experience Packs.
Flash Forge USA Finder 3d Printer: **Specification:** Packing Size: 500mm x 500mm x 500mm Actual Size: 420mm x 420mm x 420mm Packing Weight: 31.5 pounds Actual Weight: 27 pounds Positioning Precision: 0.0001" on Z axis, 0.0004" on XY plane Resolution: 0.004" Build Volume: 140mm x 140mm x 140mm Filament Compatibility: PLA / PVA

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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?"

Increasing the number of devices, improving the bandwidth, providing professional development and updating the district's current technologies will dramatically change the learning of all students students, including students with disabilities. This will enable students to access the curriculum, participate in learning activities alongside their peers, personalize their learning, and achieve their full potential. Helping staff members develop an understanding of assistive technologies and accessibility will help school personnel make informed decisions when they evaluate students needs. Overall, these services will help the district develop an educational environments and programs that will meet and exceed the needs of all students, regardless to the fact if they have disabilities. Specifically, the devices below will be used to reach the following needs.

1. **Apple MacBook Air 13.3 This computer will be used for video editing for the morning announcements along with programming for 3-d printers. Since digital video places demands on processor power, graphics power and storage space this computer allows the specs to enable this to happen. This computer will be part of an innovation lab that will be accessed by all students at all grade levels. Additionally, this device will also benefit students with disabilities and ELL needs by specifically having the compatibilitay to applications that feature benefits to students with services such as speech to text capabilities and text to speech capabilities. These devices will also be manageable by the teacher so that lessons can be differentiated to meet the needs of all learners.**

2. **The ASUS ZenFone 2, Insignia and the Mattel View Master will be a classroom kit that will be used throughout the school in all classrooms to enhance instructions in all curricula. Many students at Wheelerville come from low income families and have not had opportunities to travel outside of the community. The virtual headsets in conjunction with Google Expeditions take a collection of virtual reality panoramas — 360° photo spheres and 3D images — annotated with details, points of interest and questions that make them easy to integrate into curriculum already used in schools. This technology will allow teachers to take students of all ages and abilities on virtual field trips and make lessons more interactive and meaningful. In addition to the device being compatible to applications of Google Expeditions, the device will also benefit students with disabilities and ELL needs by having the compatibility to applications that feature benefit to students with services such as speech to text capabilities and text to speech capabilities. This technology will allow teachers to take students of all ages and abilities on virtual field trips and make lessons more interactive and meaningful.**

3. **Fire Kids Edition: The Kindle Fire will be used in the First Grade Classroom and the Resource Room. Not only will the Kindle be used for an e-reader but it will also be used for apps for education. These tablets will be used for stations and will give students support with reading and and math applications. Additionally, these devices will also benefit students with disabilities and ELL needs by specifically having the compatibility to applications that feature benefits to students with services such as speech to text capabilities and text to speech capabilities. These devices will also be manageable by the teacher so that lessons can be differentiated to meet the needs of all learners.**

4. **zSpace: ZSpace will also be included in the Innovation lab that will be assessable for all students of all ages. zSpace is the ultimate immersive learning experience. This platform and device allows students to interact with objects and manipulate concepts from all areas of curricula with a hands on experience. With the use of zSpace, students can learn highly engaging tasks that can be complex, expensive and dangerous for the classroom. In addition to the device being compatible to applications of zSpace, the device will also benefit students with disabilities and ELL needs since it is a desktop learning station and has the application of text to speech and translation.**

5. **Flash Forge USA Finder 3d Printer: The 3d printer will be an additional device that will be assessable to all students in the building. Having Flashforge 3D printers in every classroom would allow students to have access to a leading desktop 3D printers. 3d printers can allow students to turn their ideas into reality.**

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

Parent-teacher communication is a vital factor that contributes to the success of students. With the increase of technology platforms like emails, texts, websites, electronic portfolios, online surveys and video chat applications help make communication more timely, efficient, productive and satisfying. Technology also allows teachers to create calendars that can be accessed at any time, so parents can schedule meetings, view homework assignments or even volunteer at school. Teachers can also create online grade-books and classrooms to allow parents and students to actively participate in class when they are not even in the classroom. With the addition of technology positive performance and praise can occur on a steady basis and intervention can be at a faster rate.

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."

PreK - 8 Teachers will be addressing the following topics through professional development that will be on going from the summer of 2016 until June of 2017; Chrome book Training,Technology Basics, Introduction to Z-Space, Device setup and apps, Google Classroom, Google Apps of Education, Hyper linking to make a writing page, Plan Book, Google Sheets, Check up for device gaps, Survey and Tech problems, Technology Integration as Needed, Blended Classroom. With the addition of various technology trainings that are listed above, this year we upgraded our services with NERIC. As an upgrade, one of the services that is included is the Cooperative Technology Service. This service includes consultation, planning, implementation, oversight, and on going support for standardized technology. All staff members will also be offered professional development training through the local HFM BOCES Network team. As part of the District Professional Development Plan there will be an on site teacher that undergoes professional development training to provide certified training to all staff members under New York State Regulations.
Evaluation of the implementation of Technology Plan will be conducted with simple observations of technology use, instruction and integration by the Technology Integration Specialist and by building administrators. The Technology Integration Specialist will collect data and present it to the Technology Committee. Comments from teachers, students, staff, parents and area business and community members may be referred to the Technology Committee at any time. The Technology Committee will receive reports from the Technology Integration Specialist regarding the integration of technology into curriculum. Teachers would complete a needs assessment survey at the beginning middle and end of each year. This will assist the technology committee's decisions and revisions on the technology plan and professional development. Technology plans are an ongoing process and modifications and additions to the plan will be necessary to continue supporting our goals and respond to new developments and opportunities. Technology meetings will continue to occur on a regular basis. At those times, concerns, developments and opportunities will be discussed and analyzed.

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

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

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

SUNY ALBANY

9b. Enter the primary Institution phone number.

518-442-4828

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.

Heidi Audino

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

Are there nonpublic schools within your school district?

- ☐ Yes
- ☑ No

11. Nonpublic Classroom Technology Loan Calculator

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

See:

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

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

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

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

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

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

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

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

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	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	5,985
Laptop Computers	999
Tablet Computers	4,815
Other Costs	2,173
Totals:	**13,972**

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	R FlashForge USA Finder 3D Printer - Single PLA Extruder Filament Printing	1	554	554
Laptop Computers	Apple MacBook Air 13.3	1	999	999
Other Costs	This 1.5 lb spool of silver Elite Dreamer 1.75mm PLA Filament fromis designed for use with the Flashforge Dreamer and other 3D printers that accept 1.75mm filament.	10	32	320
Tablet Computers	Fire Kids Edition Tablet, 7	23	99	2,277
Tablet Computers	ASUS ZenFone 2 (16GB is & being used for 30 kit version. 64GB is & being used for 20 and 10 kit version)	10	243	2,439
Other Costs	Mattel View-Master® Virtual Reality Viewers	10	29	299
Desktop Computers	zSpace 300 AIO,zSpace 300 All-In-One System	2	2,993	5,985
Tablet Computers	Insignia Flex 10.1 32 GB	1	99	99
Other Costs	Pelican case Store all the devices in one	1	1,000	1,000

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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.

NA

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.

NA

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.

NA

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

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

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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.

NA

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.

NA

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)

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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.

NA

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
Tetra Tech	(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

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