Smart Schools Investment Plan - Revised - District-Wide Security

SSIP Overview

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Institution ID

800000037399

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

Lorraine Dunkel

1B. **Please enter their phone number for follow up questions.**

631-266-5400 ext 1448

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

ldunkel@elwood.k12.ny.us

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

Supplemental submission

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

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

☑ District Educational Technology Plan Submitted to SED and Approved

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

By checking the boxes below, you are certifying that you have engaged with those required stakeholders.

☑ Parents

☑ Teachers

☑ Students

☑ Community members

5. **Did your district contain nonpublic schools in 2014-15?**

☐ Yes

☐ Yes, but they have all since closed, moved out of district or are declining use of SSBA funds

☑ No

6. **Certify that the following required steps have taken place by checking the boxes below:**

☑ 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

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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.

6B. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

SMART School Bond Report.pdf
Smart School Investment Plan Overview.pdf

6C. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

https://www.elwood.k12.ny.us/departments/technology

7. 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.

1,935

8. 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.

9. 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)

10. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

11. Your district's Smart Schools Bond Act Allocation is:

$1,178,161

12. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	2,335	0	2,335.00	0.00

13. This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must **be resolved before submission.**

Smart Schools Investment Plan - Revised - District-Wide Security

SSIP Overview

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	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	393,468.00	393,468.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	294,039.00	294,039.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	0.00	0.00	0.00
Nonpublic Loan	0.00	0.00	0.00
Totals:	**687,507**	**687,507**	**0**

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1. **In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:**

- sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
- **is a planned use of a portion of Smart Schools Bond Act funds, or**
- **is under development through another funding source.**

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and

2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

Elwood is a current subscriber of the Western Suffolk BOCES' Crown Castle and LightPath internet services. Each of our ISPs provide the district with 1 gig of internet service. Elwood's current bandwidth use is 210Mbps, which exceeds the stated goal, 198.5Mbps.

1B. **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). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,985	198.50	210	450	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 will be upgrading our wireless access points (AP's) across the district to provide our users with Wi-Fi 6 compatible AP's. This year, we have had numerous end of life AP's cause intermittent connectivity issues for our students and staff. Our 1:1 initiative and the utilization of interactive flat panels in all of Elwood's classrooms will be hindered and continue to impact learning if we are unable to sustain a stable connection to our wireless network. Along with upgrading our WAP's, we will also be upgrading our Server/SAN. By investing in a well-designed server/SAN, we will build a robust and reliable network foundation that supports high-speed broadband,

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seamless wireless connectivity, and ultimately, enhanced learning opportunities for all students. We will also be significantly upgrading the district's technology infrastructure. We will address the issue of limited backup power during outages by replacing existing UPS devices with ones capable of providing 1.5 - 2.5 hours of runtime. This will ensure the continuity of classroom instruction, administrative functions, communication systems, and security measures. We will also be enhancing our data protection by implementing a robust, multi-layered backup system with increased local storage, offline backups for enhanced security, and offsite backups for disaster recovery. This will extend our data retention period to 9 years and greatly improve our ability to restore systems. Lastly, we will bolster network security by implementing Network Access Control and enhanced identity management, allowing for greater control over network access, improved BYOD management, and more granular access control for users and guests.

4. Describe the linkage between the district's District Instructional Technology Plan and how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students."

Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)

Wireless Access Points (APs)

The plan emphasizes the importance of infrastructure to support 1:1 initiatives and other digital tools. Upgrading to Wi-Fi 6E APs directly supports the goal of sustaining robust network connectivity for instructional technologies like Chromebooks and SMART Boards. This ensures seamless integration of technology in classrooms, providing equitable and efficient digital access.

Server/SAN and Licensing

The district's plan underscores the need for infrastructure improvements to support increasing demands from instructional technologies. Enhancing the Server/SAN will improve network throughput, aligning with the goal of maintaining a strong network capable of supporting devices and digital resources critical for learning environments.

Network Access Control (NAC)

Adding a NAC aligns with the technology plan's priority on data privacy and security. By implementing secure identity management and network access protocols, the district can safeguard its growing digital ecosystem, enabling safer and more efficient use of instructional technology.

Universal Power Supply (UPS) Refresh

The plan recognizes the reliance on continuous technological access. Upgrading UPS devices enhances resilience during power outages, ensuring that technology-dependent learning and administrative functions remain uninterrupted, which aligns with the emphasis on providing equitable and reliable access to technology.

Enhancing Backup Infrastructure

The proposed local and cloud backup enhancements address the plan's emphasis on data security and recovery. By improving disaster recovery capabilities and extending data retention, this initiative supports the district's commitment to safeguarding instructional and administrative data for continuity and compliance.

These projects collectively align with the instructional technology plan's strategic focus areas, such as maintaining and refreshing infrastructure, ensuring network security, and supporting technology integration to enhance teaching and learning outcomes.

5. If the district wishes to have students and staff access the Internet from wireless devices within the school

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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 network is robust and fully capable of supporting 1,985 students. We are supported by Western Suffolk BOCES and Crown Castle, and our average download speed is over 200 Mbps. Additionally we have internet redundancy through the Lightspeed internet service provider. Our network supports over 2,000 wireless devices now, and we have 207 access points across four buildings. This far exceeds the recommended capacity of 40-50 connections per WAP. We are currently in the middle of a WAP refresh, which started last year and have 40 WAP's that are currently end-of -life. The addition of an upgraded Server/SAN will also assist us with establishing a robust wireless network with sufficient bandwidth. Enhancing the Server/San will improve network throughput, enabling us to maintain a strong network capable of supporting devices and digital resources. Our network is strong now, but the changes we've planned and budgeted for will support not only the work we do via the Smart Schools Bond Act, but also student learning for the next decade.

6. **Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.**
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
58-04-01-02-7-999-004

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

Was your project deemed eligible for streamlined review?

No

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

Name	License Number
Burton Behnrendt & Smith (Mohammed S. Hosein, P.E.)	82028

9. Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be Purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	**0.00**	**0**

10. Public Expenditures – Non-Loanable (Does not count toward nonpublic loan calculation)

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Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	AP4000-WW - Indoor Access Points	125	575.96	71,995.00
Network/Access Costs	AIO-DD05120-RPSMA : Panel, 120 deg sector, 5 dBi/5 dBi, dual band	4	325.60	1,302.40
Network/Access Costs	AP3000X-WW : Indoor Dual Radio WiFi 6E AP 2.4 GHz and 5 GHz or 5GHz and 6GHz Multirate Port External antennas. BLE/Zigbee. Inc Mt (AH-ACC-BKT-AX-TB). Domain World SKU	4	528.00	2,112.00
Network/Access Costs	PowerEdge R660 Tailor Made - replacing 40GYNF3	3	10,162.37	30,487.11
Network/Access Costs	Tailor Made PowerVault ME5024 Promotional Offer - [TM_ME5024_15247]	1	42,009.76	42,009.76
Connections/Components	TS51220RH9612 : TERASTATION 5122 0RH 96TB ENT HD 12BAY	3	7,599.99	22,799.97
Connections/Components	OP-PU-10R2UWR : SPARE RPLMNT P/S FOR TERASTATION 51210RH	3	307.99	923.97
Connections/Components	OP-HD8.0H2U-5Y : Replacement Hard Drive 8TB for TeraStaQon 51210RH	3	561.09	1,683.27
Network/Access Costs	9SX1500 : Eaton 9SX 1500 120V Tower	1	1,385.15	1,385.15
Connections/Components	NETWORK-M3 : Gigabit Network Card M3	1	295.75	295.75
Network/Access Costs	5PX1500RTNG2 : Eaton 5PX 1500 RT2U Netpack G2	7	1,017.90	7,125.30
Network/Access Costs	5PXEBM48RTG2 : 5PX 48V Extended battery module	7	494.00	3,458.00
Network/Access Costs	5PX2000RTNG2 : Eaton 5PX 2000 RT2U Netpack G2	6	1,551.55	9,309.30
Network/Access Costs	5PXEBM72RTG2 : 5PX 72V Extended battery module	8	703.30	5,626.40
Network/Access Costs	EMAT09-10 : Eaton Managed rack PDU, 1U	5	622.05	3,110.25
Network/Access Costs	EMPDT1H1C2 : Environmental Monitor	16	183.30	2,932.80
Network/Access Costs	103007018-5591 : UPS Front Rail Mounting Bracket for 5PX Series	14	73.45	1,028.30

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Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	9PX3000RTN : Online UPS 9PX3000RTN EATON 9PX UPS	3	3,696.55	11,089.65
Network/Access Costs	9PXEBM72RT : Extended battery module for 9PX 2-3 kVA 2U UPS	8	857.35	6,858.80
Network/Access Costs	EMA114-10 : EPDU Verti. (L5-20P 16A 1P) 24X5-20R	5	1,032.85	5,164.25
Network/Access Costs	PDUMH20ATNET : Tripp Lite PDU Switched ATS 120V 20A 5-15/20R 16 Outlet L5 -20P Horizontal	1	733.73	733.73
Network/Access Costs	PDUMH30ATNET : Tripp Lite PDU Switched ATS 120V 30A 24 5-15/20R; 1 L5-30R 2 L5-30P 2URM	1	1,145.01	1,145.01
Network/Access Costs	SRW9UDP : Tripp Lite 9U Wall Mount Rack Enclosure Cabinet Low Profile Deep Wallmount	1	348.33	348.33
Network/Access Costs	SRW18USDP : Tripp Lite 18U UPS-Depth Wall-Mount Rack Enclosure Cabinet, Hinged Back	3	860.28	2,580.84
Network/Access Costs	SR42UBSD : Tripp Lite 42U Rack Enclosure 32	1	1,345.50	1,345.50
Network/Access Costs	XIQ-PIL-S-C-EW : ExtremeCloud IQ Pilot SaaS Subscription and EW SaaS Support for one (1) device (1 year)	10	93.00	930.00
Professional Services	PS-ESU-1 : EXTREME SERVICE UNITS SINGLE	11	2,746.82	30,215.02
Professional Services	PS-ESU-1 : EXTREME SERVICE UNITS SINGLE	5	2,240.00	11,200.00
Network/Access Costs	XIQ-NAC-S-1K-EW : ExtremeCloud IQ NAC SaaS Subscription and ExtremeWorks SaaS Support for 1K end-systems (one year) ExtremeCloud IQ Pilot SaaS Subscription and	3	2,170.00	6,510.00
Professional Services	PS-ESU-1 : EXTREME SERVICE UNITS SINGLE	5	1,750.00	8,750.00
Professional Services	PS-ESU-1 : EXTREME SERVICE UNITS SINGLE	10	2,530.00	25,300.00
Connections/Components	10G-AOC-SFP10m : 10G AOC SFP+ 10m	26	199.92	5,197.92
Professional Services	5YNBD10 : BUFFALO 5-Year	3	1,628.99	4,886.97

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Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
		342	**148,090.29**	**393,468**

11. **Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)**

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment				

12. **Total Public Budget - Loanable (Counts toward the nonpublic loan calculation)**

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	(No Response)	0.00	0.00

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	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
School Internal Connections and Components	(No Response)	0.00	0.00
Other	(No Response)	0.00	0.00
Totals:	**0.00**	**0**	**0**

13. Total Public Budget – Non-Loanable (Does not count toward the nonpublic loan calculation)

	Sub-Allocation
Network/Access Costs	219,325.63
Outside Plant Costs	(No Response)
School Internal Connections and Components	30,900.88
Professional Services	143,241.49
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**393,468.00**

14. **School Connectivity Totals**

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	393,468.00
Totals:	**393,468**

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

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).**

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

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 #

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
		0	**0.00**	**0**

7. **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)

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	Sub-Allocation
Totals:	**0.00**

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1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and

2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

Elwood is a current subscriber of the Western Suffolk BOCES' Crown Castle and LightPath internet services. Each of our ISPs provide the district with 1 gig of internet service. Elwood's current bandwidth use is 210Mbps, which exceeds the stated goal, 198.5Mbps. We have conducted the iReady testing (and other CBT) that is district-wide with zero outages and no downtime during those testing periods for the past several years.

1B. **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). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,985	198.50	210	450	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 network is robust and fully capable of supporting 1,985 students. We are supported by Western Suffolk BOCES and Crown Castle, and our average download speed is over 200 Mbps. Additionally we have internet redundancy through the Lightspeed internet service provider. Our network supports over 2,000 wireless devices now, and we have 207 access points across four buildings. This far exceeds

the recommended capacity of 40-50 connections per WAP. We are currently in the middle of a WAP refresh, which started last year and have 40 WAP's that are currently end-of -life. The addition of an upgraded Server/SAN will also assist us with establishing a robust wireless network with sufficient bandwidth. Enhancing the Server/San will improve network throughput, enabling us to maintain a strong network capable of supporting devices and digital resources. Our network is strong now, but the changes we've planned and budgeted for will support not only the work we do via the Smart Schools Bond Act, but also student learning for the next decade.

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.**

To ensure our students and staff have access to the latest technology, we're initiating a computer replacement project across the district. The current inventory of our desktop computers are end of life and have slowed down drastically with their day to day functions. The replacement computers will be the HP Pro 400 G9 model. These devices consist of an Intel Core i5-12500 processor, a 512GB solid-state drive, and 16GB of RAM. Given that this initiative will not bring in additional computers on our network, our infrastructure is fully equipped to handle it. Each classroom is equipped with a network port and power supply and our network supports downloading speeds above 100Mbps. Our electrical systems are in fine working order, and there are enough outlets in each classroom to support these computers. This project does not require additional power to be run anywhere, as it builds on pre-existing infrastructure. Along with equipping all learning spaces with new desktop PC's, I will be replacing the high school music teachers' computers with new iMacs. The teachers frequently use Apple-specific functions such as AirPlay, along with software like GarageBand, iMovie, and Logic Pro. This facilitates streamlined music production workflows, providing them with a user-friendly interface and ensuring reliability and stability essential for both teaching and creating music.

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?")

In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.

Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should explain how this plan will facilitate remote and hybrid learning, in lieu of responding to the question above.

Equipping teachers with new HP 400 G9 desktops and dedicated iMacs for the music department promises to significantly enhance the educational environment. These powerful HP computers, serving as the primary classroom device for teachers, will seamlessly integrate with Interactive Flat Panels, facilitating dynamic presentations and interactive learning experiences. The increased processing power enables teachers to utilize a wide array of educational software, including demanding programs for multimedia content creation and personalized learning activities. Meanwhile, the music department will benefit from the dedicated iMacs, specifically chosen for their capacity to handle resource-intensive music production software and enhance creative projects.

This technology upgrade empowers teachers with the tools to differentiate instruction, catering to diverse learning styles and fostering student engagement. The improved workflow efficiency allows teachers to focus more on individual student needs and create enriched learning experiences. Moreover, the accessibility features embedded in both Windows and macOS ensure that all students, including those with disabilities and English Language Learners, have equal access to learning resources and opportunities. By investing in these powerful and versatile machines, the district demonstrates a commitment to providing a modern learning environment that supports both teachers and students in reaching their full potential.

The district has embraced the Universal Design for Learning Framework to equip instructional technologies in all the special education and ENL classrooms, providing multiple access points for our ELLs and students with disabilities. Outfitting each classroom with an Interactive Flat Panel and a desktop computer for teachers to execute their lesson plans has provided students with an opportunity to learn content through various modalities, fostering a more engaging and inclusive learning environment. This technology integration supports differentiated instruction by enabling teachers to present information using visual, auditory, and kinesthetic methods, catering to diverse learning styles and preferences. Interactive whiteboards encourage active participation, collaboration, and hands-on learning, making lessons more dynamic and stimulating. The ability to easily incorporate multimedia elements like videos, simulations, and virtual field trips expands the scope of learning beyond traditional textbooks, enriching students' understanding of complex concepts.

To ensure equitable access to instruction, materials, and assessments, Elwood practices a multi-faceted approach that addresses individual needs and fosters an inclusive learning environment. Appropriate accommodations are offered to all students, as well as targeted language support to assist ELLs in improving their language proficiency, such as devices to use for translating curriculum, as well as receiving translated resources.

All of these methods and services are dependent on reliable technology. Refreshing classroom computers provides teachers with the essential tools to deliver engaging and effective instruction in a modern learning environment. Upgraded hardware ensures optimal performance for a wide range of educational software, including interactive whiteboards, multimedia presentations, and online learning platforms. This investment supports differentiated instruction, enhances teacher efficiency, and ultimately benefits students by providing access to richer, inclusive and more dynamic learning experiences.

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.

Upgrading the district's computer inventory with powerful HP 400 G9 desktops and iMacs will significantly enhance communication and facilitate technology-based partnerships. These machines offer improved reliability and performance for essential communication tools like video conferencing, email, and learning management systems, ensuring seamless interaction with parents and stakeholders. The increased processing power enables the creation and sharing of high-quality multimedia resources, facilitating engaging online learning experiences and virtual collaboration opportunities with other districts. Moreover, the diverse operating systems provide flexibility for utilizing various communication platforms and participating in regional initiatives, expanding educational opportunities for students and fostering a connected learning community.

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."

Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should provide a statement confirming that the district has provided or will provide professional development on these devices to its staff, in lieu of responding to the question above.

To maximize the benefits of the new computers, we will continue to maintain our comprehensive professional development plan building upon its existing framework. Conducting a needs assessment will assist us in identifying specific areas where teachers require support in utilizing the new computers and software. Opportunities to provide professional development to a large number of staff members, without sacrificing instructional time, such as Superintendent's Conference Days, can include hands-on training sessions covering hardware basics, software integration, and troubleshooting techniques for those staff members that have been identified in our needs assessment. We will continue to collaborate with BOCES when possible to provide specialized workshops focusing on advanced features of the hardware and software we purchased. We will utilize the district's Instructional Technology Specialist to facilitate and offer ongoing support through workshops, online tutorials, and in-class coaching tailored to individual needs. Her existing resource website will be updated with materials specific to the new computers. Furthermore, we will continue to provide differentiated support, including one-on-one coaching and peer mentoring, to ensure all teachers successfully integrate the technology into their instruction. Finally, we will stay committed to refining our professional development model through evaluation and feedback mechanisms. This will ensure that our investment translates to enhanced teaching and learning experiences.

9. Districts must contact one of the SUNY/CUNY teacher preparation programs listed on the document on the left side of the page 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.

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

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SUNY New Paltz

9C. Enter the primary Institution phone number.

(845)257-2837

9D. 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.

Jason Huang, Ph.D.

10. 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.

11. 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.

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Desktop Computers	24-inch iMac with Retina 4.5K display: Apple M3 chip with 8 core CPU and 8 core GPU, 256GB SSD -	3	1,249.00	3,747.00
Desktop Computers	BTO HP 400 G9 I5-12500 512/16 W11P computer	408	687.02	280,304.16
Other Costs	HP Care Pack Extended Warranty 3yr	408	24.48	9,987.84
		819	**1,960.50**	**294,039**

13. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	2,335	0	2,335.00	0.00

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

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	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	(No Response)	0.00	0.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	284,051.16	0.00	284,051.16
Laptop Computers	(No Response)	0.00	0.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	9,987.84	0.00	9,987.84
Totals:	**294,039.00**	**0**	**294,039**

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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.**

N/A

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

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)	0.00
		0	**0.00**	**0**

6. **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.

Smart Schools Investment Plan - Revised - District-Wide Security

Pre-Kindergarten Classrooms

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	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	**0.00**

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1. Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.

N/A

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

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)	0.00
		0	**0.00**	**0**

5. **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:	**0.00**

Smart Schools Investment Plan - Revised - District-Wide Security

High-Tech Security Features

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1. Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.

N/A

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. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.
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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

6. If you have made an allocation for High-Tech Security Features, complete this table.
Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	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:	**0.00**