Smart Schools Investment Plan - Revised - Gloversville End Computing Devices

Classroom Learning Technology
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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.

Goal is currently met.

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). 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	2,700	270.00	1000	(No Response)	Already 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.

To ensure the student and staff access to the Internet from wireless devices within the school building and the district has a robust Wi-Fi netwok in place with sufficient bandwidth to meet users demands the following steps have been taken:

1. In 2019-2020 the district completed an initial ungraded of its wireless infrastructure to ensure that wireless devices could be used during the school day.

2. For the 2020-2021 school year the district is conducting a District-wide Internet Bandwidth Survey to identify areas with gaps/lower bandwidth for additional improvement.

3. One building has been identified to complete on-line field testing to test our connectivity bandwidth.

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

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

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

The District plans includes the intention to purchase of additional instructional technology learning tools to promote and support differentiated learning instruction for our students, including:

* Promethean Boards
* mounting equipment and stands
* boom microphones/other microphones, headsets, speakers
* cameras, wing monitors
* robotics and 3-d printers
* Chromebooks and desktop computers
* cables and connectors
* charging stations
* mobile laptop carts
* Other

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.

   Enhance Differentiated Instruction
   The proposed technology aligns and supports our goal of providing each classroom and student with the updated technology tools to engage students in-school, hybrid, or remote learning needs.
   The new technology and platforms will provide and promote differentiated instruction for our students, by:
   * Providing multiple avenues for learning and expressing understanding
   * Provide updated technology tools for students to collaborate or work individually
   * Individual and/or specialized instruction can be delivered for students with disabilities and English
       Language Learners
   * Formative assessments and/or pools can be incorporated throughout lessons allowing instructional
       interventions to occur during instruction.

   Expanded Student Learning Inside and Outside the Classroom
   The proposed technology continues the district's plan to offer UPK -12 one-to-one Chromebook access for in-school, hybrid or remote learning. The new technology and platforms will provide:
   * synchronous learning opportunities
   * asynchronous small group collaboration or independent learning opportunities
   * the ability to record instructional videos for future review of live stream access for students
       outside the classroom.

   Contributions to the reduction of learning gaps for students with disability and English Language Learners
   * Adaptive and/or assistive software and technology purchased to provide additional opportunities for students to participate within general educational settings.
   * Improved technology will allow improved auditory, visual and at times tactile instruction to meet the diverse needs of our students.

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

   The District plan is to layer in distance learning equipment into multiple classrooms allowing:

   * opportunities for additional distance learning opportunites for our students

   * professional development opportunites within the district and with regional partners

   * with one platform allowing parent access to view student's homework submissions and communicate with teachers.

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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."

The district has developed an improved professional development plan with the deployment of the following members to provide professional development for the administrators, teachers, and staff so they can fully utilize the technology required to enhance instruction successfully.

Professional Development Team:
* Director of Information Technology
* District Computer Support Specialist
* NERIC Technology Support Providers
* NERIC Instructional Support Providers
* Cap Region, HFM BOCES Instructional Support Providers
* Model School Instructional Opportunities
* Collaboration with the Director of Elementary C & I, EdLaw 2-d Coordinator
* Building-levvel Instructional Support providers (NEW this year)
* Building Leader Literacy Coach PD providers
* In-house turn-key trainers
* Science Master teacher and PD provider

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.

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

University of Albany

9b. Enter the primary Institution phone number.

518-442-5092

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.

Dr. Jason Lane

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.

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Classroom Learning Technology

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	Promethean ActivPanel Titanium 75	108	3,900.00	421,200.00
Interactive Whiteboards	Promethean AP-ASW-90 - stand	97	700.00	67,900.00
Interactive Whiteboards	Tripp Lite Mobile TV Floor Stand Cart Height-Adjustable LCD 60-100	11	522.00	5,742.00
Other Costs	Promethean ActivCare Plus On-Site Support - extended service agreement - 5 years - on-site	108	250.00	27,000.00
Laptop Computers	Chromebook 3100	600	269.00	161,400.00
Laptop Computers	Chromebook 11 3100 2-in-1	200	369.00	73,800.00
Other Costs	3 Years Dell Limited Hardware Warranty	800	64.00	51,200.00
Other Costs	3 Year Dell Accidental Damage Service	800	50.00	40,000.00
		2,724	6,124.00	848,242

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	2,728	0	2,728.00	0.00

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

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	494,842.00	0.00	494,842.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	(No Response)	0.00	0.00
Laptop Computers	235,200.00	0.00	235,200.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	118,200.00	0.00	118,200.00
Totals:	848,242.00	0	848,242