Smart Schools Investment Plan - 2016-17 Version (Original) - Saranac CSD_Supplemental_#1

SSIP Overview

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

   Lori Newell

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

   (518) 565-5643

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

   lnewell@saranac.org

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

   Supplemental submission

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

   ☑ District Educational Technology Plan Submitted to SED and Approved

4. **Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.**
   By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

   ☑ Parents
   ☑ Teachers
   ☑ Students
   ☑ Community members

   4a. **If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?**

   ☐ Yes
   ☐ No
   ☑ N/A

5. **Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.**

   ☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
   ☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
   ☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have 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.**

Smart Schools Preliminary Investment Second submission July 2017.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.**

www.saranac.org

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.**

1,620

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:**

$1,738,450

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

	Sub-Allocations
School Connectivity	0
Connectivity Projects for Communities	0
Classroom Technology	806,401
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	**806,401**

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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.

   Charter Communications provides broadband Internet service to the Saranac Central School District. As of 7/1/2017, the District connections is 200 Mb/200 Mb which meets and exceeds the minimum speed standard.

   1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

   ☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,425	142,500	142.5	200	(No Response)	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.

   With the approval of our SSBA First Submission Plan, the Saranac Central School District has updated the network/wireless infrastructure. The district has improved network speed, increased wireless access, improved the network reliability, and increased wireless density throughout the district to support the use of student and staff devices. The District will have wireless access points installed in every instructional space as well as exterior wireless access points that will provide coverage on all school properties to students, faculty and staff. The district monitors and manages network traffic to ensure the needs are being meet.

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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.

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.**

   Over the course of the next couple of years, depending upon the timeline of the approval of this submission, the goal of the district is to become a 1:1 district for our students grades 3-12. The device of choice is the Acer TravelMate Spin B118 (or a comparable device after approval by NYSED and the Smart Schools Review Board). The Acer TravelMate Spin is a 11.6-inch touch screen convertible notebook with a Intel Celeron processor designed for student use. It has a 360° hinge that allows for versatile use which includes Laptop, Stand, Tent and Tablet modes. It has a pressure-resistant screen, shock-absorbent rubber bumper and spill-resistant keyboard. The long battery life is up to 13 hours. The TravelMate B1 Spin has a dual-band 2x2 MIMO 802.11ac WiFi, two USB 3.0 ports, one USB 2.0 port, one HDMI port and a built-in SD card reader. For grades K-2, the goal is to increase the devices for daily use that will meet the needs of primary students. Primary classrooms will be equipped with a classroom set of computers. Each classroom throughout the district will be equipped with an Actiontec ScreenBeam WiDi device which will untether the teachers from the front of the room. It will also allow the teacher to monitor student screens in real-time and interact with students' devices including commenting to their device and/or share their screens with the class. Teachers will be equipped with a HP Elitebook x360 1030 G2 i5-7200u, 2.5GHz, Win 10 Pro, 13.3" FHD 1920x1080 LED, 128GB M2 SSD Backlit keyboard 802.11 a/b/g/n/ac 2x2, Bluetooth 4.2 (or a comparable device after approval by NYSED and the Smart Schools Review Board) The laptops and WiDi devices are fully compatible with the existing platforms in the district. There is enough electrical power and outlets in classrooms and/or designated area to support the charging carts and charging stations.

6. **Describe how the proposed technology purchases will:**
   > **enhance differentiated instruction;**
   > **expand student learning inside and outside the classroom;**
   > **benefit students with disabilities and English language learners; and**
   > **contribute to the reduction of other learning gaps that have been identified within the district.**

   The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"

   The District continues to provide resources and technology to support teaching and learning throughout the District for all students including students with disabilities. We currently have iPads for students use throughout the District in the areas of speech, RTI instruction and in classrooms. Many apps are currently in use across disciplines such as Articulation Station, VocabBuilder, Starfall Learn to Read, Quizlet, Kids Discover, Garage Band, Learn Spanish, Anatomy 4D, Gene Screen, Essential Skeleton, Quick Graph, Nearpod, Educreations Interactive Whiteboard and many more. The swipe and tap to access apps and materials on the iPad work very will for students with disabilities providing a hands-on approach for nontraditional learners. Teachers can provide individual students specific apps for targeting learning gaps. We also have convertible touchscreen laptops in carts throughout the District to meet the needs of our students. The teachers utilize iReady to assess students in Math and Reading. iReady is also used to provide differentiated instruction. We currently do not have any English language learners students in the district but if we did, the technology we have would allow them to translate information into their native language and assist them in learning English with apps available on the iPad and laptop. Epson BrightLink Interactive projectors are used throughout the District. Teachers are using the projectors' interactive features and iPads/laptops to provide a variety of approaches when providing instruction to students.

   The District is committed to enhancing differentiated instruction and expanding student learning both inside and outside the classroom. The district has invested in a Learning Management System, Schoology - enterprise version, to provide the backbone for implementing online learning, flipped lessons, blended learning, differentiated lessons as well as an avenue for collaboration. With access to laptops in the classroom, teachers are able to provide individualized instruction and assignments through Schoology. Teachers can assign materials to the whole class, selected individuals or groups of students. Teachers can provide additional materials both for enrichment, reinforcement and strategic interventions. Using the technology available, teachers are able to identify and provide necessary instruction to help to reduce any learning gaps students may have. Access to Schoology is 24/7 which allows for learning both inside and outside the classroom. Since parents also have an account that is tied to their child, materials, resources and information can be shared with parents to enhance school to family communication.

   The District also provides limited number of Kajeet, a WiFi hotspot, to students that do not have broadband Internet access at home. The hotspots can be signed out for 2 week time periods to complete class projects and/or assignments.

   With the approval of this SSBA submission, the District intends to purchase 990 laptops for grades 3-12 and 350 devices for students grades K-2. The purchase of the devices will increase student access to technology and online resources while providing 21st Century learning opportunities. By putting the devices into the hands of students the District can continue to provide equitable access to technology tools and prepare our students to be college and career ready. The District continues to develop and integrate learning strategies based on National Common Core Standards, NYS Learning Standards, College and Career Readiness and ISTE Technology Strategies.

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 continues to promote communication with parents through the use of our SIS parent portal (Schooltool), Schoology (Learning Management System), email, building Facebook pages and the District's website. In addition, the District has a guest WiFi network that both parents and visitors have access to while visiting the building and grounds.

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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 IT department, building tech leaders and turn-key trainers provide training sessions throughout the year during Superintendent's conference days, faculty meetings, workshops and as requested by individuals and/or buildings. As new technology is rolled out, training is given during PD days and/or faculty meetings. In any classroom where new technology is installed, the IT department/tech leaders will train teachers on the use of the new devices/technology.

   Ongoing Professional Development is important as the District moves forward with new technology initiatives. As well as the initial PD, follow-up training, share-out time, and time to work with the new technology and/or technology skill(s) is part of the PD that the District is offering. For example, when the District introduced our LMS, Schoology, the District brought in a Schoology trainer to conduct a train-the-trainer PD for 25 teachers and administrators. This group has planned and implemented PD sessions throughout the course of last year which included one full day training and several half-day trainings that focused on implementing technology and best practices using Schoology. The District has provided some innovative PD over the last couple years. The PD has included "Technology and Becoming Lifelong Learners with Travis Allen", "Innovators Mindset with George Couros", and this year "From Mindset to Action - An Innovator's Journey with Dr. Robert Dillon". Book studies have also been part of Professional Development.

   In addition to in-house training, the District participates in Model Schools. Other opportunities include conferences, workshops and classes offered at the North Country Teacher Resource Center and SUNY Plattsburgh. The District recognizes and is dedicated to the need of continued support for the integration of new initiatives.

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 Plattsburgh

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

   518-564-2125

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

   Michael Morgan

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

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school enrollment in the base year at the time of enactment.

See:

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

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

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

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	0
Computer Servers	0
Desktop Computers	0
Laptop Computers	552,420
Tablet Computers	0
Other Costs	253,981
Totals:	**806,401**

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.

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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
Laptop Computers	Acer TravelMate Spin B1 B118-RN-C6FD 11.6	990	288	285,120
Laptop Computers	HP Elitebook x360 G2 i-5-7200u 2.5GHz 13.3	180	925	166,500
Other Costs	Kensington USB 3.0 Universal Dock Station	116	121	14,036
Other Costs	Actiontec ScreenBeam Enterprise 960 - network media streaming adapter	116	290	33,640
Other Costs	PowerGistics Tower 12Plus	36	1,115	40,140
Other Costs	AVerCharge S42I+ cart	25	1,933	48,325
Laptop Computers	Acer TravelMate Spin B1 B118-RN-C6FD 11.6	350	288	100,800
Other Costs	PowerGistics Tower 12Plus	42	1,115	46,830
Other Costs	Brenthaven Aero Sleeve 11	990	59	58,410
Other Costs	Brenthaven Collins Messenger Bag	180	70	12,600