Smart Schools Investment Plan - 2016-17 Version (Original) - Peru CSD_Supplemental1

SSIP Overview

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Institution ID

800000053872

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

Jared T. Duquette

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

518-643-6033

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

jduquette@perucsd.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

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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.

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.**

PeruSSIP2.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.**

https://www.perucsd.org/cms/lib/NY01913885/Centricity/Domain/357/PeruSSIP2.pdf

6. **Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

2,500

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:**

$2,129,269

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	

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	Sub-Allocations
	0
Classroom Technology	249,928
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	**249,928**

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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.

   The district currently purchases Internet connectivity at 200 Mb/sec from the Northeastern Regional Information Center. This capacity can be increased up to 1 Gb/sec if requested.

   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	1,950	195,000	195	200	200	(No Response)

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.

   This has already been addressed in a previous SSIP. The district will be installing over 200 access points that support 802.11ac in all classrooms with multiple access points being installed in cafeterias, gymnasiums, auditoriums. In addition the district will be installing new cabling to support the additional access points.

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.**

Our district is purchasing Acer Chromebooks with protective work-in cases and classroom charging stations for Grades 5, 6, 9, and 10. In addition, the district is purchasing a small group sets of iPads with protective cases and charging stations for 2nd grade classrooms and replacing 1 full computer lab within the district. Osmo kits will be purchased as an instructional tool to support the classroom integration of iPads.

With the purchase of these devices the district will continue to work within the google platform with the ultimate goal of establishing a clear platform for the entire district K-12. The district will be migrating the current email system to Gmail during the summer of 2018. These devices were selected based on the level of compatibility with the current and future wireless infrastructure. Furthermore, the devices will allow teachers and students access to a variety of instructional technology tools 24/7 365 days a year. Our wireless infrastructure has already been address in our previous SSIP.

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 purchasing of these devices will allow teachers to extend the borders of their classroom. We want to allow students the ability to access classroom/course content no matter where they are in the world. Students will have more opportunity to create, collaborate, and communicate about classwork outside of the traditional school day. When students have this opportunity, they are naturally more engaged with the course content. The classroom teacher will also have more access to students work, so they can provide timely feedback as students are working on assignments. The chromebook and ipad purchases will naturally support our districts goal of providing assistive technology for students will disabilities and ELL students. Our district has purchased access to "Google Read & Write", which works seamlessly with Chromebooks. The features of Read and Write will allow students to customize online content to meet specific needs. For example, the "Screen Masking " feature creates a "strip" on the screen that helps students focus on one area at a time. Some other wonderful tools for students with disabilities and ELL students are the use of "text to speech", "speech to text", "dictionary/thesaurus, highlighters, word predication, and picture dictionary. These features allow every student/teacher to customize their online experience to meet their needs. Furthermore, the use of the google apps for education in conjunction with chromebooks will allow for teachers to easily differentiate instruction and provide students with individualized assignments.

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 purchase of devices will enhance the district's ability to communication with parents. Parents will have increased access to student work and access to the district's parent portal. With increased access, parents no longer need to wait for assignments to be transported from school to home through their children. Students will be able to share assignments directly with their parents. Once parents have a strong understanding of the Google Apps for Education, they will know how to access student work at any point in the school day and receive real-time updates about their child's progress.

Along with increased collaboration with parents, students will have a greater ability to communicate in a secure environment with students from other districts. Google Apps for Education promotes collaboration within a secured environment, so students can collaborate within a document or hold a virtual meeting. The chromebooks we are purchasing have built in cameras, so students can utilize a video chat format to create a face to face meeting despite being miles apart. One of our district goals is to provide students with the skills necessary to be successful in a global world; this device purchase will provide students with a tool that will allow these skills to develop and grow.

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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."

Online Learning Opportunity for teachers and administrators

The online learning pathway was created for those teachers that have busy schedules and want to complete their training on their own time. Teachers will be able to access their training during the school day and/or at home. Kyte Learning will be our digital learning platform. Teachers that select this option will be assigned PD Training Videos that align with the training goals of the district. The video lessons that will be assigned are:

- **Introduction to Google Chrome (25 min)**
- **Google Chrome Extensions (12 min)**
- **Google Drive Tutorial (39 min)**
- **Google Docs Tutorial (88 min)**
- **Google Slides Tutorial (118 min)**
- **Google Forms Tutorial (26 min)**
- **Using Google Forms for Assessment and Feedback (25 min)**
- **Google Sheets Tutorial (141 min)**
- **Google Classroom Library Tutorial (84 min)**
- **Inquiry Based Learning (41 min)**
- **PBL in Google Classroom (42 min)**
- **Google Keep Tutorial (22 min)**

On-Site Training Sessions:

The on-site training pathway was created for those teachers that prefer to learn in small groups with face to face colleague conversation. The on-site training will include 10-1hr training sessions. Each training group will be composed of approximately 15 teachers that will be grouped based on grade level chunks (ie. k-2, 3-6, 7-8, 9-12). These training sessions will be held at two different times within the district. The topics for training will include the integration of Google Apps for Education: Chrome Extensions, Google Drive, Docs, Slides, Sheets, Forms, and Classroom. Teachers will also be provided the opportunity to train in non-google tools like kahoot, quizlet, seesaw, padlet, symbaloo...etc

A technology integration specialist will also be available to assist with the creation and implementation of technology rich units of study.

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.**

518-564-2000

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. Denise Simard

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

10a. **Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district's nonpublic per-student loan amount calculated below, within the framework of the guidance. Please enter the date by which nonpublic schools must request classroom technology items. Also, specify in your response the devices that the nonpublic schools have requested, as well as in the in the Budget and the Expenditure Table at the end of the page.**

    The non-public school was contacted about there needs in regards to the technology they request under this SSIP. The non-public school was given a date of 6/1 to submit loan requests to respond with there needs they responded and requested the following. The non public schools declined to use the remainder of the $930.
     -54 Laptops
     -54 Carrying Case

    Nonpublic must request use of the devices by 6/1 annually.

    Lake Shore Christian School declined to participate.

10b. **A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.**

    ☑ By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

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	249,928	1,904	136	2,040	120	16,320

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

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	31,500
Laptop Computers	155,286
Tablet Computers	12,358
Other Costs	50,784
Totals:	**249,928**

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
Laptop Computers	Chromebooks	630	223	140,490
Other Costs	Chromebook Management Licence	630	25	15,750
Other Costs	Whiteglove Service/Chromebook	630	7	4,410
Other Costs	Chromebook Carrying Case	630	21	13,230
Tablet Computers	iPad 32gb 10 pack	4	2,940	11,760
Tablet Computers	iPad 32gb	2	299	598
Other Costs	iPad Case 10pack	4	350	1,400
Other Costs	iPad Case	2	70	140
Desktop Computers	Desktop Computer	30	1,050	31,500
Other Costs	Desktop Monitor	30	112	3,360
Laptop Computers	Laptop Computer-Non Public Req	54	274	14,796

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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
Other Costs	Laptop Sleeve-Non Public Req	54	11	594
Other Costs	iPad Charging Station	7	100	700
Other Costs	Laptop Charging Station	14	500	7,000
Other Costs	Osmo Classroom Kit	7	540	3,780
Other Costs	Osmo bases for iPad	14	30	420