

## Smart Schools Investment Plan - Revised - Computer &amp; Security Compilation 7/2018

SSIP Overview

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Page Last Modified: 02/21/2020

**Institution ID**

800000037601

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

Vincent Raicovi

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

631-285-8080

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

vraicovi@mccsd.net

**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

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

SSIP Overview

Page Last Modified: 02/21/2020

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 occurred 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.

6a. 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 Investment Plan-BOE Approval-ComputersAndSecurity.pdf
- Smart Schools Investment Plan-Security SED Approval.pdf
- Smart Schools Investment Plan-20180610-ComputersAndSecurity.pdf
- SSIP4BOE-20180620.pdf
- Smart Schools Investment Plan-Switches and Wireless SED Approval.pdf

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

<http://www.mccsd.net/ssip>

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.

11,750

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:

\$8,318,342

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

SSIP Overview

Page Last Modified: 02/21/2020

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,664	127	9,791.00	1.30

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.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	683,812.00	683,812.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	2,300,280.00	2,300,280.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	2,558,303.00	2,558,303.00	0.00
Nonpublic Loan	31,750.00	31,750.00	0.00
<b>Totals:</b>	<b>5,574,145</b>	<b>5,574,145</b>	<b>0</b>

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

School Connectivity

Page Last Modified: 02/20/2020

- 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.

As of September 1, 2017, we have increased our bandwidth from 500 Mbps to 1000 Mbps, satisfying the Smart Schools Bond Act requirement.

- 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	9,986	998.60	1000	1000	Met

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**

## School Connectivity

Page Last Modified: 02/20/2020

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

- For our first submission, we put in for replacing our aging intra-building fiber to better support building/district-wide wireless deployment. This plan was accepted and we are currently constructing a bid for the project work.
- For our first supplemental submission, we submitted to replace all the switches in our MDF closets; to take advantage of the new fiber and higher speeds.
- For our second supplemental submission, we will be adding additional wireless controllers and access points to areas in each building where 1:1 students will be.
- For this supplemental submission, we will be adding additional wireless controllers and access points to areas in each building where 1:1 students will be in our two high schools. In addition, we will be continuing the switch replacement started with our first supplemental submission, this time encompassing our district wide IDF switches.

**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.)**

There is a direct linkage between Middle Country CSD's District Instructional Technology Plan and this proposed project. We have completed our initial district-wide wireless access point rollout. In order to support the increased bandwidth needs of the 1:1 program, bandwidth will be increased on intra-building connections between data closets. Once our new MDF switches (first supplemental submission) are connected with the fiber that we install from our first submission, we will be doing just that. When our wireless is effectively doubled in our elementary and middle school buildings (second supplemental submission), we will be able to better support 1:1 devices for students and teachers. When approved and completed, we will move on to the work contained in this submission - replacing all IDF switches districtwide and increasing wireless access point density in our two high schools. With this complete, we will be able to better support 1:1 devices for students and teachers.

**5. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

**Please describe how you have quantified this demand and how you plan to meet this demand.**

At the conclusion of the 2016-17 school year, the Middle Country Central School District already had full wireless coverage in all 14 instructional buildings. With the increased connectivity speeds between our buildings and the increased speed to be realized in our buildings after this project, Middle Country will be in a good position to support student and staff access to the Internet. The wireless controllers and access points that are part of our second supplemental submission will increase the access point density in areas where the 1:1 program will live in our elementary and middle schools, and this submission will include our two high schools.

**6. Smart Schools plans with any expenditures in the School Connectivity category require a project number from the**

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

School Connectivity

Page Last Modified: 02/20/2020

**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
58-02-11-06-7-999-BA2

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?**

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Joseph L. Mile	28771

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

Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be Purchased	Quantity	Cost Per Item	Total Cost
Network/Access Costs	Aruba - Access Points	400	568.00	227,200.00
Network/Access Costs	OS6450-P48 K12 Education bundle includes one OS6450-P48-US with US power cord, OS6450-XNI-U2 stacking module, OS6450-CBL-60 stacking cable and 1 Year SUPPORT Software	62	2,200.00	136,400.00
Network/Access Costs	ALU-OS6450-48 Gigabit Ethernet chassis in a 1U form factor with 48 10/100/1000 Base T ports	116	1,615.00	187,340.00
Network/Access Costs	HPE Nimble Storage	1	82,072.00	82,072.00

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

School Connectivity

Page Last Modified: 02/20/2020

Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be Purchased	Quantity	Cost Per Item	Total Cost
	HF20/20C Hybrid 84TB Flash Array			
		<b>579</b>	<b>86,455.00</b>	<b>633,012</b>

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

Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Aruba - Mounting Kit	400	29.00	11,600.00
Network/Access Costs	Aruba - Access Point Support and Licensing	400	98.00	39,200.00
		<b>800</b>	<b>127.00</b>	<b>50,800</b>

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,664	127	9,791.00	1.30

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

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	633,012.00	6,851.73	639,863.73
School Internal Connections and Components	(No Response)	0.00	0.00
Other	(No Response)	0.00	0.00
<b>Totals:</b>	<b>633,012.00</b>	<b>6,852</b>	<b>639,864</b>

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

	Sub-Allocation
Network/Access Costs	50,800.00
Outside Plant Costs	(No Response)
School Internal Connections and Components	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>50,800.00</b>

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

School Connectivity

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Page Last Modified: 02/20/2020

14. **School Connectivity Totals**

	Total Sub-Allocations
Total Loanable Items	639,863.73
Total Non-loanable Items	50,800.00
<b>Totals:</b>	<b>690,664</b>



Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Community Connectivity (Broadband and Wireless)

Page Last Modified: 02/04/2020

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

(No Response)

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).

I certify that we will comply with all the necessary local building codes and regulations.

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

(No Response)

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)

6. 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
		<b>0</b>	<b>0.00</b>	<b>0</b>

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)

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Community Connectivity (Broadband and Wireless)

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Page Last Modified: 02/04/2020

	Sub-Allocation
<b>Totals:</b>	<b>0.00</b>

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**

Classroom Learning Technology

Page Last Modified: 02/04/2020

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.**

As of September 1, 2017, we have increased our bandwidth from 500 Mbps to 1000 Mbps, satisfying the Smart Schools Bond Act requirement.

- 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	9,986	998.60	1000	1000	Met

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**Classroom Learning Technology

---

Page Last Modified: 02/04/2020

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.**

There is a direct linkage between Middle Country CSD's District Instructional Technology Plan and this proposed project. We have completed our initial district-wide wireless access point rollout. In order to support the increased bandwidth needs of the 1:1 program, bandwidth will be increased on intra-building connections between data closets. Once our new MDF switches (first supplemental submission) are connected with the fiber that we install from our first submission, we will be doing just that. When our wireless is effectively doubled in our elementary and middle school buildings (second supplemental submission), we will be able to better support 1:1 devices for students and teachers. When approved and completed, we will move on to the work contained in this submission - replacing all IDF switches districtwide and increasing wireless access point density in our two high schools. With this complete, we will be able to better support 1:1 devices for students and teachers.

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 is requesting to purchase Chromebooks for their 1:1 initiative, replacement laptops for the currently existing laptop carts, and replacement desktop computers for high school classrooms and labs. While we are providing most students a 1:1 computing device with the Chromebook, desktop and laptop computers are still necessary (especially in our secondary buildings) to run Windows based software, which a Chromebook is unable to run. The Chromebooks will be supported wirelessly by the wireless infrastructure provided in this plan and on one of our other plans. This also holds true for the laptops. The desktop computers are all replacements for existing labs, so electrical, HVAC, and infrastructure are all in place.

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**

## Classroom Learning Technology

Page Last Modified: 02/04/2020

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.**

The purchases identified by the Middle Country CSD using Smart Schools Investment Plan funds are directly aligned with Middle Country's approved technology plan. The purchases support the use of technology to improve the potential for success of all the district's students. Middle Country provides an environment for providing multiple levels of support for students challenged by a rigorous curriculum. The district provides specialized support services as part of an overall commitment to equity and success. Special education teachers and staff utilize technology learning experiences for younger student with disabilities as an integral part of experiential learning. The district is working to implement new technology-based interventions to address the needs of a significantly increasing ELL population. Middle Country supports differentiated learning strategies as the core of personalized learning and individualization for students.

The technology purchased through Smart Schools Investment Funds supports student learning both inside and outside of the classroom. Chromebooks will provide students with opportunities to research and supplement classroom learning experiences with additional learning materials. Partnerships with local organizations such as the Cradle of Aviation, Brookhaven National Laboratory, and Stony Brook University support students as they utilize technology to access learning resources outside of their classroom.

Each day over 600 devices per grade level will go home with students to enable the learning process to continue outside the school environment and to further connect home and school environments. The technology devices provide all students with the opportunity to remediate and accelerate outside of the classroom environment. The technology moves forward the development of student non-cognitive skills – skills such as collaboration, teamwork, sharing of ideas and problem solving – both inside and outside of the school day.

The Middle Country CSD is at the forefront of the innovative use of technology with students with disabilities and ELLs. In addition to

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**Classroom Learning Technology

---

Page Last Modified: 02/04/2020

iPad carts in most special education classrooms, the district introduced Chromebook carts to every ELL classroom districtwide this school year. ELL students utilize devices to supplement classroom learning and to be part of technology delivered software programs that develop specific skills areas in literacy and mathematics. Special education teachers are provided professional development, tools, and strategies to best serve the needs of students with disabilities. In addition to strategies and Chromebooks, the additional tools provided via the Chromebooks allow students with learning disabilities to access and interact with the same documents as their peers and teachers. Some of these benefits include the ability to read aloud with color highlighting, access to taking/picture dictionaries, vocabulary list builders, annotations, and special navigational tools.

The Middle Country CSD is continuously monitoring learning gaps and looking to implement research-based strategies. In addition to assessing and addressing the academic needs of economically disadvantaged students, the district is also looking closely at the effective use of technology to address curriculum and age specific gaps. Technology can be an important tool related to assessment of these gaps, implementation of learning strategies and the monitoring of strategies and progress.

For all learners in the Middle Country CSD, the initial 1:1 Chromebook rollout will be driven by our Capstone initiative. The district Capstone initiative will have grades 5, 7, and 12 require an extended research experience around a self-selected topic. Students experience an exercise in critical thinking and creativity, choosing choose their own inquiry paths aligned with their interests. Teachers reinforce students' strengths in the research process and facilitate development of chosen product, culminating in a demonstration of 21st century skills.

**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.**

In the transition from a traditional classroom to a flipped classroom with 1:1 Chromebooks, communication with parents and classroom stakeholders will greatly benefit. As we have already began professional development of staff members in Google's G Suite and Classroom offerings, teachers are learning new, enhanced ways to communicate not only with their students, but with parents. Some of these communication methods also translate to facilitating technology-based regional partnerships, including distance learning. Teachers have already begun utilizing Google Hangouts to have district wide, grade level meetings - something that was time consuming and difficult to accomplish only 6 months ago. In addition, we have been able leverage the same technology for professional development sessions with the New Jersey Center for Teaching and Learning regarding our middle school math program.

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**

## Classroom Learning Technology

Page Last Modified: 02/04/2020

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.**

Since the spring of 2017, the Middle Country Central School District has begun to and is continuing to provide professional development to staff members on a mixture of Google G Suite training, Google Classroom, and curriculum integration strategies. Because of the cost savings in purchasing Chromebooks versus traditional laptop computers or even desktop computers, we started our Chromebook program during the 2016-2017 school year focused on middle school Living Environment. Since that time, we have deployed carts to support every ENL classroom district wide, as well as carts to support mathematics AIS in the middle schools and kindergarten centers utilizing ST Math. With each new deployment, teachers are provided relevant professional development - Google G Suite training, Google Classroom, and curriculum integration strategies. In support of the Chromebooks outlined in this plan, we provided an initial full-day professional development to every affected teacher in district, and will follow it up with a second full-day of professional development after they've had the devices for a few months. Professional development is extended and reinforced utilizing department meetings and professional periods.

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.**

SUNY Oneonta

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

607-436-2613

- 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.**

Paul Bischoff

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Classroom Learning Technology

Page Last Modified: 02/04/2020

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
Laptop Computers	HP Chromebook 11 G6 EE, HP Care, Google Chrome Management License, GoGuardian License	3,015	372.00	1,121,580.00
Desktop Computers	CAD/Media HP EliteDesk w/ 5-year warranty	80	800.00	64,000.00
Laptop Computers	HP Probook 440 G5 w/ 3-year warranty	325	500.00	162,500.00
Desktop Computers	HP EliteDesk G3 w/ 5-year warranty	800	450.00	360,000.00
Laptop Computers	HP Chromebook 11 G5	2,100	282.00	592,200.00
		<b>6,320</b>	<b>2,404.00</b>	<b>2,300,280</b>

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,664	127	9,791.00	1.30

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	(No Response)	0.00	0.00



Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Classroom Learning Technology

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Page Last Modified: 02/04/2020

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	424,000.00	4,589.38	428,589.38
Laptop Computers	1,876,280.00	20,308.89	1,896,588.89
Tablet Computers	(No Response)	0.00	0.00
Other Costs	0.00	0.00	0.00
<b>Totals:</b>	<b>2,300,280.00</b>	<b>24,898</b>	<b>2,325,178</b>

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Pre-Kindergarten Classrooms

Page Last Modified: 02/04/2020

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.

(No Response)

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.

	Sub-Allocation
Construct Pre-K Classrooms	

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Pre-Kindergarten Classrooms

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Page Last Modified: 02/04/2020

	Sub-Allocation
	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0.00</b>

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Replace Transportable Classrooms

Page Last Modified: 02/04/2020

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

(No Response)

- 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)

- 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)

- 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
		<b>0</b>	<b>0.00</b>	<b>0</b>

- 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)
<b>Totals:</b>	<b>0.00</b>

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

High-Tech Security Features

Page Last Modified: 02/21/2020

**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.**

The Districts security and technology network has exceeded its life cycle. Legacy hardware and software are deteriorating, antiquated, low functioning compared to contemporary systems, and are no longer cost-effective to maintain. The purchase of a multi-faceted security network and peripherals will substantially update the districts safety program consistent with current standards and in connection with guidance and partnership from the Suffolk County Police Department, NY State Emergency Management Office, NYSED guidance, and the school insurance standard of care, including the contemporary capability to integrate security systems with local emergency management and law enforcement support. To accomplish this we will be installing a new VoIP Communications and Alert System, Security Screening Software with an ID Card/Badge System, a new Digital Security Camera Network & Cameras, and a new Student Validation and Access System

Installation of access control security vestibules at existing student dropoff at (3) locations in the K/Pre-K school buildings (Unity Drive, Bicycle Path, Eugene Auer Facilities).

**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
58-02-11-06-7-999-010

**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
Joseph L. Mile	28771

**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
Capital-Intensive Security Project	Security/Phones/Vestibules: Ceiling/floor/wall materials	1	16,500.00	16,500.00
Capital-Intensive Security	Security/Phones/Vestibules:	1	77,055.00	77,055.00

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

High-Tech Security Features

Page Last Modified: 02/21/2020

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Project	Door/window materials			
Capital-Intensive Security Project	Security/Phones/Vestibules: Ceiling/floor/wall removal & installation	1	31,500.00	31,500.00
Capital-Intensive Security Project	Security/Phones/Vestibules: Door/window removal & installation	1	13,500.00	13,500.00
Capital-Intensive Security Project	Security/Phones/Vestibules: Electrical materials, components	1	15,500.00	15,500.00
Capital-Intensive Security Project	Security/Phones/Vestibules: Electric installation	1	47,500.00	47,500.00
Electronic Security System	Surveillance cameras	510	1,225.00	624,750.00
Electronic Security System	32Ch DVR/NVRs storage equip.	32	8,175.00	261,600.00
Electronic Security System	VoIP telephones	1,328	556.00	738,368.00
Entry Control System	Card readers & cards	92	1,139.00	104,788.00
Entry Control System	Visitor sign-in & badging systems	14	9,281.00	129,934.00
Electronic Security System	Video intercoms	14	5,948.00	83,272.00
Other Costs	Architect fees	1	149,070.00	149,070.00
Other Costs	Contingencies	1	184,909.00	184,909.00
Other Costs	Clerk of the work fees	1	54,207.00	54,207.00
Other Costs	Insurance Fees	1	25,850.00	25,850.00
		<b>2,000</b>	<b>641,915.00</b>	<b>2,558,303</b>

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)	201,555.00
Electronic Security System	1,707,990.00
Entry Control System	234,722.00
Approved Door Hardening Project	0.00
Other Costs	414,036.00
<b>Totals:</b>	<b>2,558,303.00</b>

**Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018**

High-Tech Security Features

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Page Last Modified: 02/21/2020

Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Non-Public Schools

Page Last Modified: 11/26/2019

1. Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.

**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 state that they will reach out to the nonpublic schools upon submission of the application, in lieu of responding to the question above.**

The Middle Country Central School District reached out to Our Savior New American School to have a conversation regarding the hardware that will be available to them. Based on the per pupil calculation for our nonpublic schools, equipment loans valuing up to the listed amounts will be made based on this Smart Schools Investment Plan submission. Our Savior New American School must submit requests to the Office of the Director of Technology, Business, and Information Systems no later than November 1st each school year. The nonpublic school is confirming the final dollar amount available and submitting final requests to the district. The non-public loan calculation, based on 2014-15 enrollment of 174, totals \$43,500 (\$250 per pupil). However, this leads to a \$342.52 per pupil amount based on the current enrollment of 127, which is over the \$250 cap. The final loan amount is  $250 \times 127 = \$31,750$ .

2. 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.

- 2a. Please enter the date each year nonpublic schools must request loanable items from the school district. This date cannot be earlier than June 1 of the previous school year.

November 1

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,664	127	9,791.00	1.30

4. Nonpublic Loan Calculator

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	639,863.73	2,325,178.27		250.00	0.00	250.00	250.00	31,750.00
Final Adjusted Loan - (if additional loan funds)	639,863.73	2,325,178.27	(No Response)	250.00	0.00	250.00	250.00	31,750.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously		



Smart Schools Investment Plan - Revised - Computer & Security Compilation 7/2018

Non-Public Schools

Page Last Modified: 11/26/2019

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Approved Plans	0.00	0.00
This Plan	250.00	31,750.00
Total	250.00	31,750.00

**6. Distribution of Nonpublic Loan Amount by School**

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
OUR SAVIOR NEW AMERICAN SCHOOL	127	No

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

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
Unbudgeted Nonpublic Loan Amount	Undetermined Expenditures	1	31,750.00	31,750.00
		<b>1</b>	<b>31,750.00</b>	<b>31,750</b>