DEPEW UFSD

Smart Schools Investment Plan

SSIP Overview

Page Last Modified: 06/02/2016

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

Maria Sommerfeldt, District Technology Coordinator

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

716-686-5066

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

msommerfeldt@depewschools.org

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

First 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. 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.

SSIP Depew 15-16 Final.pdf
Smart Schools Investment Plan BOE 1-19-16.pptx

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.

2,007

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:

$1,622,349

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	308,756
Connectivity Projects for Communities	0
Classroom Technology	1,038,948
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	1,347,704.00

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

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

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

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

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

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

Currently, the district utilizes mobile laptop carts that move between classrooms. We have determined our current wireless does not meet the demands of our teachers and students. This is evident due to the numerous errors users receive when accessing the network, even with sufficient wireless access points in their location. The mobile devices are saturating the wireless network, response times are slow and some users are delayed from accessing the network when the demand has reached full capacity. The district contracted with our local BOCES to perform a thorough wireless survey of our school buildings and campus. The survey identified our coverage needs, gaps and proposed future needs in support of computer based testing. A project was developed to encompass the replacement of end of life equipment and management controller. In this project wireless access points supporting 802.11 n/ac standards will replace outdated APs, the new APs will be located in areas identified on the wireless survey.

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	1,826	182,600	182.6	100	547.7	12/31/2016

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

Depew Union Free School District proposes to replace our current wireless network with an Aruba wireless controller, access points and upgrade our core data switches. This will move the district's Wi-Fi from centralized coverage to campus wide demand coverage which will handle the capacity of our one to one computer deployment. The district has worked with our local BOCES to evaluate the current coverage and develop a system to improve our coverage. The update to our Wi-Fi will support the use of mobile devices.

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4. Briefly describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)

A structured plan to improve wireless coverage, implement Google Apps for Education and Schoology (our learning management system) and one to one computing will move the district toward the goal of providing students with access to technology on a regular basis. The district has used budgeted and grant funds to subscribe to academic online resources in support of curriculum goals and objectives, and to provide professional development to our faculty and staff. The move to one to one computing will deliver additional access to students during and after school hours. In addition, our increased digital connectivity and technology will enhance the opportunity for K-12 research projects, enhance the implementation of the Common Core Learning Standards, particularly the standards in literacy/ELA with the use of various learning management systems and collaboration between teachers, students and parents. The opportunity for peer review and other types of collaboration with flipped classrooms will also be a great enhancement for our teaching and learning among staff and students. This 24/7 access to technology will greatly increase student engagement and extend learning opportunities truly beyond our school walls.

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.

The district currently meets this standard with a minimum of 1Gb bandwidth within our schools. The district contracts with Erie 1 BOCES - WNYRIC for 1GB of bandwidth.

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.

Project Number
14-07-07-03-7-999-SB1

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
Shawn Wright, AIA	29492

9. If you are submitting an allocation for School 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.

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	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
School Internal Connections and Components	261,848
Professional Services	1,000
Testing	12,500
Other Upfront Costs	13,408
Other Costs	20,000
Totals:	308,756.00

10. To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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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
Connections/Components	1 port 1000Base LX SFP Gigabit Ethernet Transceiver	12	334	4,008
Connections/Components	Aruba 7210 K-12 Bundle, 256 AP, PEFNG and RFP	1	28,509	28,509
Connections/Components	Aruba 7210 Mobility Controller	1	10,095	10,095
Connections/Components	PSU-350-AC, 350W AC Power Supply	2	495	990
Connections/Components	1 port 10GBASE-SR Pluggable Plus	4	348	1,392
Connections/Components	1 port 1000Base SX SFP Gigabit Ethernet Transceiver	32	134	4,288
Connections/Components	VSP 8000 100-240V 800W AC Power Supply	2	279	558
Connections/Components	VSP 8000 Chassis Universal Slide Rack Mount Kit	2	173	346
Connections/Components	VSP 8400 Chassis w 4 I/O module slots	2	6,123	12,246
Connections/Components	VSP8400 24 port 1/10G SFP+ IO Module	2	5,249	10,498
Connections/Components	VSP8400 24 port 100/1G/10G Coper IO Module	3	5,774	17,322
Connections/Components	Aruba AP-215 Wireless Access Point, 802.11 n/ac	246	591	145,386
Connections/Components	Aruba 270 Outdoor Wireless Access Point	12	1,186	14,232
Connections/Components	Aruba 270 Series Outdoor AP Long Mount Kit	12	89	1,068
Connections/Components	Aurba ClearPass Policy Manager 5K Appliance	1	8,910	8,910
Testing	Wireless Network Testing	1	12,500	12,500
Other Upfront Costs	Design and Configuration	1	13,408	13,408
Other Costs	Installation	1	20,000	20,000
Professional Services	Architectural/Engineering Assessment	1	1,000	1,000
Connections/Components	Cat 5E Patch Cables	1	2,000	2,000

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1. Briefly 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. 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)
Totals:	

7. To the extent possible, 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)	(No Response)

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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.

Depew Schools has a minimum of 1 GB network bandwidth coming to the district, between our school buildings and within our school buildings. The district currently contracts with Erie 1 BOCES - WNYRIC for 1GB bandwidth. We are utilizing networking switches that allow for 1GB to the desktop and 1GB between buildings. We utilize desktop computers that allow for 1GB to the desktop. Our Wi-Fi network only accommodates 54Mb to the device. We are looking to replace the aged Wi-Fi network equipment to accommodate current wireless protocols and increase our speed to mobile devices to 100Mb per device. In this Smart Schools Investment Plan we are also requesting funds under School Connectivity to improve our wireless access speeds. With approval of this plan we anticipate installation of the Wi-Fi network to be completed by December 31, 2016.

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	1,826	182,600	182.6	100	547.7	12/31/2016

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.

Depew Schools contracted with Erie 1 BOCES - WNYRIC to perform a wireless survey. Based on this survey the district does have sufficient wi-fi coverage. The district is planning a school connectivity project to increase our coverage to include all classrooms and large instructional spaces.

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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.

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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.

The district is planning for a one to one device implementation for our schools. In our elementary school building, grades K-2 will have iPad devices available in their home base classroom, which can be carried to specials and AIS classes. Grades 3-5 will have Chromebooks available in their home base classroom, which can be carried to specials and AIS classes. Devices will be returned to their home base at the end of the school day.
At our middle and high school buildings, grades 6-12 will have Chromebooks assigned to students which they will carry with them to all academic, specials and AIS classes. Students will be able to take the Chromebook home for use after school hours.
Both the iPad and Chromebook are compatible with our current Microsoft Active Directory network, Google Apps for Education cloud based educational system, Schoology learning management system and wireless network.
The district will be expanding our pre-engineering, Project Lead The Way (PLTW) curriculum into the middle school with their Gateway to Technology program. Our high school PLTW program has been in place for over ten years and has been very successful in preparing students for college level engineering. We believe our middle school students will benefit from the PLTW curriculum and this will better prepare them for the high school PLTW curriculum. This curriculum will increase the number of students that graduate and move on to engineering in college and careers. We will be requesting desktop computers and robotics to start up the Gateway to Technology program, and desktop computers to meet the current hardware specifications for the high school PLTW Engineering curriculum.
Our plan also includes upgrading to LED projectors for use with our interactive whiteboards. This cost is included under Classroom Technology - Other Costs.

The district has implemented numerous online resources utilizing district and grant funds to supplement instruction:

- Google Apps for Education
- Schoology
- APEX Learning
- Castle Learning
- Renaissance Learning (STAR 360, Accelerated Reader 360, STAR Custom)
- IXL Math
- Zearn
- Learning A-Z
- Think Through Math
- Scholastic
- EasyTech (Learning.com)
- BrainPop
- Lexia Reading
- Noodle Tools
- PebbleGo (Capstone)
- TumbleBook
- World Book
- Destiny Quest
- MyOn
- Info Base Learning
- Fitness Gram

Our teachers have received professional development in the above resources and the integration of technology into our curriculum. Alternative funding has been earmarked for professional development, which will continue to be offered to strengthen teachers' skills with the implementation of technology.
The district expects to experience some energy savings by moving to one to one computing. Currently we have a computer lab in each building that will be phased out as the desktop computers age out. There will be a savings in power and cooling for these spaces. Most classrooms have one to four student computers which will also be phased out. The elementary classrooms will gain a charging cart, but will lose student desktop computers resulting in additional savings. Our current laptop carts will also be phased out as the technology ages out. Over the next few years we should experience energy savings.
To accommodate the increase in the amount of mobile devices and the management of devices and apps, the district has implemented mobile device management. For the Apple iPads we are using LightSpeed Mobile Device Management, and for the Chromebooks we are using Google Device Management. These applications support the management of devices and over the air software updates. With the use of these systems, creating

common groups of devices based on roles, our current technical staff will have the ability to manage more devices.

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?"

Asynchronous learning is now a key part of our educational landscape. Teachers and students use technology resources at home and school to further research, studies and collaboration. Moving to one to one computing will facilitate this to a much greater extent.

The move to one to one computing will increase access to technology for all students. Our plan is to supplement the devices with applications like: Dragon Speak, ZoomText, Fast ForWard and Zearn, to best meet the needs of our students with disabilities. Additional assistive technology will be identified for students based on their individualized education plan. The district currently subscribes to online resources to supplement instruction in ELA, mathematics, literacy, science and research, which are accessible by the mobile devices being requested in our plan.

The proposed technology purchases will greatly enhance differentiated instruction at all grade levels. Many of our software programs use computer adaptive technology to identify appropriate grade levels or learning gaps to personalize instruction for each student. Our technology purchases will permit students to work more efficiently in center-based groups allowing teachers to work in small groups with students on targeted learning tasks. Assignments will be able to be completed at home with teachers and students having the opportunity to access materials 24/7. This extension of learning outside the classroom is a key benefit of one to one computing. We believe students will read and write much more, a proven research-based strategy to increase academic achievement for ALL. One to one computing will also have huge benefits for our English Language Learners and Students with Disabilities. Students will be able to access text and other materials at their level. Pacing will also be adjusted for these learners. The possibilities to close learning gaps become very doable in a one to one technology rich environment. Data systems and dashboards will track individual student learning progress and adjustments can be made throughout the course of learning. In addition to the above modifications, the instructional technology provides many assistive technology options. For example with these students we will provide audio books, read/speak/write apps and touch screens to enlarge fonts, to provide greater access to learning resources.

7. Where appropriate, briefly 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 currently has school to parent communication in place through our student information system, parent portal and district website. Additional parental communication will be available from teacher Google Sites or Schoology. Teachers are generating classroom assignments through Google Classroom and Schoology. Students will be encouraged to utilize the Chromebook at home. Parents will be able to monitor student assignments by logging in to Schoology, Google Classroom and PowerSchool, where they can review student assignments, calendars, progress reports and grades. Many teacher assignments contain links to online resources for additional assistance and expanded learning. Some of our online resources offer direct parental updates and reporting.

Through teacher leader grants the district has facilitated more regional collaboration. Technology tools have been a major focus of our collaboration. The district participates in BOCES' programs that continue to foster these partnerships.

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8. Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.

Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."

The district has a .5 Technology Integrator and a .6 BOCES Technology Integrator who focus on the use of our online resources, technology integration and learning management systems with our teachers, administrators and staff. Specific attention will be placed on students utilizing the iPads and Chromebooks regularly in the classroom. Training will also focus on accessibility at home (for parents) and all the resources available and strategies to implement in the classroom. This training will be held during the school day, after school and throughout the summer.
Training for parents will be offered through fact sheets, online help centers, at parent conferences, instructional videos on our district website and group sessions during district functions.
Our 2015-2016 staff professional development schedule is listed below:

Date	Grade/Content Area	Activity	Time
9/1/15	All Staff	Superintendents Conference Day	See schedule
9/8/15	All Staff	Superintendents Conference Day	See schedule
9/14/15	Open	Google Classroom	8-11 or 11-2
9/21/15	K-12 Support Staff	Google Training	8-11 or 12-3
9/28/15	Open	Schoology	8-11 or 11-2
9/28/15	Grade K-1 Math	Data Review and Assessment Modification	8:30 - 3:00
9/29/15	Grade 2-3 Math	Data Review and Assessment Modification	8:30 - 3:00
10/1/15	Grade 4-5 Math	Data Review and Assessment Modification	8:30 - 3:00
10/2/15	Grade 6-12 ELA	General Studies Secondary ELA	8:00 - 3:00
10/5/15	Depew HS	Data Team Meetings	8:00 - 2:30
10/6/15	Grade 4-5 ELA	Standard Deconstruction	8:30 - 3:00
10/7/15	Grade 2-3 ELA	Standard Deconstruction	8:30 - 3:00
10/8/15	Open	Schoology	8-11 or 11-2
10/8/15	Grade K-1 ELA	Standard Deconstruction	8:30 - 3:00
10/14/15	Grade 5-8 Science	Vertical Curriculum Alignment	8:30 - 2:30
10/21/15	Grade 6-12 ELA/Social Studies	Spiraled Research Skills Argument	8:00 - 2:30
10/27/15	Grade K-8 Math	General Studies: Modeling with Fractions	8:00 - 3:00
10/29/15	Cayuga Elementary	Data Team Meetings	12:00 - 3:00
11/2/15	Open	Google Classroom	8-11 or 12-3
11/5/15	Grade 6-8 Math	Interim Assessment #1 Review	8-11 & 11-2
11/6/15	Depew HS	Data Team Meetings	8:00 - 2:30

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11/19/15	Grade 9-11 Math	Algebra/Geometry/Algebra2	8:00 - 2:30
11/26/15	All Staff	Superintendents Conference Day	See schedule
11/30/15	Depew MS	Data Team Meetings	11:30 - 2:30
12/2/15	Grade K-5 Math	DCA Math	8:00 - 3:00
12/3/15	Grade 6-12 Math	DCA Secondary Math	8:00 - 3:00
12/4/15	Grade K-1 Math	Interim Assessment #1 Review	8:30 - 3:00
12/7/15	Open	Google Classroom	8-11 or 12-3
12/9/15	Grade 4-5 Math	Interim Assessment #1 Review	8:30 - 3:00
12/10/15	Grade 2-3 Math	Interim Assessment #1 Review	8:30 - 3:00
12/16/15	Cayuga Elementary	Data Team Meeting	12:00 - 3:00
1/6/16	Grade 4-5	STAR 360	8-11 or 12-3
1/7/16	Grade K-1 ELA	Social Studies/ELA Alignment	8:30 - 3:00
1/11/16	Open	Google Apps	8-11 or 11-2
1/12/16	Grade 2-3 ELA	Social Studies/ELA Alignment	8:30 - 3:00
1/14/16	Grade 4-5 ELA	Social Studies/ELA Alignment	8:30 - 3:00
1/20/16	Grade K-3	STAR 360	8-11 & 12-3
1/21/16	Open	Google Apps	8-11 or 12-3
1/25/16	Open	Google Classroom	8-11 or 12-3
1/27/16	Grade 6-8 ELA/Math	STAR 360	8:00 - 11:00
1/27/16	Grade 9-12 ELA/Math	STAR 360	11:30 - 2:30
2/2/16	Grade 6-12 Math	General Studies: Secondary Math	8:00 - 3:00
2/3/16	Grade K-1 Math	Interim Assessment #2 Review	8:30 - 3:00
2/4/16	Grade 2-3 Math	Interim Assessment #2 Review	8:30 - 3:00
2/5/16	Grade 4-5 Math	Interim Assessment #2 Review	8:30 - 3:00
2/8/16	Cayuga Elementary	Data Team Meeting	12:00 - 3:00
2/9/16	Grade 9-11 Math	Algebra/Geometry/Algebra 2	8:00 - 2:30
2/22/16	Open	Google Apps	8-11 or 12-3
2/23/16	Grade K-5	DCA Math	8:00 - 3:00
2/25/16	Grade 6-8 Math	Interim Assessment #2 Review	8-11 & 11-2
2/26/16	Grade 6-12 Math	DCA Secondary Math	8:00 - 3:00
3/1/16	Grade K-1 ELA	Social Studies/ELA Alignment	8:30 - 3:00
3/1/16	Grade 2-3 ELA	Social Studies/ELA Alignment	8:30 - 3:00
3/3/16	Grade 6-12 ELA/Social Studies	Spiraled CCLS Shifts	8:00 - 2:30
3/7/16	Grade 4-5 ELA	Social Studies/ELA Alignment	8:30 - 3:00
3/7/16	Depew HS	Data Team Meeting	8:00 - 2:30
3/14/16	Depew MS	Data Team Meeting	11:30 - 2:30

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4/4/16	Open	Schoology	8-11 or 11-2
4/21/16	Grade 6-8 Math	Interim Assessment #3 Review	8-11 & 11-2
4/21/16	Open	Google Classroom	8-11 or 12-3
4/25/16	Depew MS	Data Team Meeting	11:30 - 2:30
5/11/16	Grade K-12 Math	DCA Secondary Math	8:00 - 3:00
5/16/16	Cayuga Elementary	Data Team Meeting	12:00 - 3:00
5/23/16	Depew HS	Data Team Meeting	8:00 - 11:00
6/6/16	Depew MS	Data Team Meeting	11:30 - 2:30

You can see that we have already planned for our one to one deployment, cloud-based systems and learning management with the following 2016 summer curriculum professional development schedule.

Course	No. of Sessions	No. of Hours per Session	Date(s)
Student Engagement Strategies (Kagan)	2	3	Session 1 (late July) Session 2 (early August
PREREQUISITE course for any technology classes: Schoology 101 (for elementary) setting up your digital classroom	1	2	To be determined
Schoology 101 (for secondary) setting up your digital classroom	1	2	To be determined
Integrating Google Drive with Schoology and Building Resources	1	2	To be determined
Schoology: Set up classes, courses, create lessons, announcements and parent communication	1	2	To be determined
Schoology: Creating assignments, activities and discussion boards	1	2	To be determined
Schoology: Creating tests, media albums and embedding video/web links	1	2	To be determined
Schoology: Grading and rubrics	1	2	To be determined
Words Their Way (K-5)	1	3	To be determined
Reader's Workshop (K-5)	2	5	To be determined
MyOn Reading software (ELA/SE teachers)	1	3	To be determined
Zearn Online Math (K-5 Math/SE and 6-8 SC Math)	1	4	To be determined
Algebra 2 (HS) curriculum and CFA development	1	4	To be determined
Algebra (HS) curriculum and CFA development	1	4	To be determined

Geometry (HS) curriculum and CFA development	1	4	To be determined
Grades K-2 Literacy and Social Studies	2	3	To be determined
Grades 3-5 Literacy and Social Studies	2	3	To be determined
Grades K-8 Social Studies Framework/Inquiries	1	3	To be determined

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.

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 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.

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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	77,025
Laptop Computers	464,650
Tablet Computers	175,600
Other Costs	321,673
Totals:	1,038,948.00

15. To the extent possible, 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
Other Costs	iPad Keyboard Case	439	100	43,900
Laptop Computers	Chromebook	1575	294	463,050
Tablet Computers	iPad Air	439	400	175,600
Desktop Computers	Desktop	79	975	77,025
Laptop Computers	Laptop	2	800	1,600
Other Costs	LED Projector	113	800	90,400
Other Costs	Chromebook Protective Case	1405	30	42,150
Other Costs	Charging Locker	2	3,813	7,626
Other Costs	Robotics	20	1,075	21,500
Other Costs	LaserJet Printer	1	2,832	2,832
Other Costs	Chromebook & iPad Cart	36	2,965	70,740
Other Costs	Google Chrome OS Management Console License	1,575	27	42,525

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1. Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.

(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 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.

Project Number
(No Response)

5. 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	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	

6. To the extent possible, 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)	(No Response)

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

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Project Number
(No Response)

3. For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.

If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

(No Response)

4. If you have made an allocation for Replace Transportable Classrooms, complete this table.
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	

5. To the extent possible, 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)	(No Response)

Smart Schools Investment Plan

High-Tech Security Features

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

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Project Number
(No Response)

3. Was your project deemed eligible for streamlined Review?

☐ Yes
☐ No

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

Name	License Number
(No Response)	(No Response)

5. If you have made an allocation for High-Tech Security Features, 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
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	

6. To the extent possible, 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)	(No Response)