

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

SSIP Overview

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## Institution ID

800000049753

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

Joanne Naccarato

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

5164785761

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

jnaccarato@emufsd.us

## 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.

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 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.

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## SSIP Overview

- 5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

SmartSchools\_Plan.pdf

SMART Schools REsolution.pdf

- 5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

[http://www.eastmeadow.k12.ny.us/curriculum\\_and\\_instruction/testing\\_and\\_technology](http://www.eastmeadow.k12.ny.us/curriculum_and_instruction/testing_and_technology)

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.

9,000

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:

\$4,115,059

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	3,227,008
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	881,089
<b>Totals:</b>	<b>4,108,097</b>

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## School Connectivity

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:
- sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
  - is a planned use of a portion of Smart Schools Bond Act funds, or
  - is under development through another funding source.

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

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

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

The SMART Schools funds would allow us to build infrastructure where we can offer wireless capacity in all our buildings throughout the District. We will also have created a more reliable robust LAN District-wide at the completion of this project. We have applied for and have been approved for several years for ERATE when possible. We will use SMART Schools to fund the additional portion of this project. Currently, we use Light Tower as our ISP provider. Light Tower offers high throughput and high performance usage levels with the flexibility to increase bandwidth if needed. We currently exceed the standard of 100 mbps per 1,000 students.

- 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	7,200	720,000	720	1024	1G	currently met

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

The SmartSchools Bond investment will allow us to expand learning opportunities for all students. This funding is directly linked to and supports our District Instructional Technology Plan. The needed hardware for the connectivity project is described below.

1. Upgrade of infrastructure/network to support High Speed Internet Access and security
2. Replacement of local hubs and wiring of all classrooms with direct runs to CORE switching (termination of all drops, materials, labor, CAT 6A jacks, wire mold, faceplates, materials)
3. Upgrade and replace wiring infrastructure district-wide with Cat 6A cabling
4. Wireless - High speed connections for high capacity WAPS and Security throughout each building
5. UPS Battery Backup - NOC (network operations center) upgrade to enterprise level in-line power surge protection as well as battery run time.

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## School Connectivity

4. 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?")

The district continuously provides technology support and professional development to their staff. The use of digital connectivity and technology includes data analysis using our own data and data from our local Nassau BOCES. Further we support the use of technology and implementation of ideas from our students, teachers, and administration. We use collaborative platforms such as Google and Office 365. In addition we utilize iPad carts, laptop carts, PC and MAC labs as well as Chromebooks to allow for greater collaboration among students and staff.

Having a robust wireless environment will allow us to support the use of technology and the mission of the district to engage our students and educators in collaboration, creativity and critical thinking.

We ensure instruction in both digital citizenship and how to use technology for collaboration for learning.

As our technology access and high speed and bandwidth improvement occurs, we plan to include more teachers for innovation and implementation.

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 has a FIBER WAN building connecting all of our buildings with a robust high speed internet. We currently have 700 MBPS high speed Internet access with 10G links between locations. The district has budgeted for an increase of 1 Gig per 1000 students standard in the 19-20 school year or at completion of this portion of the SMART School project. The wireless project noted in our plan is designed to round out the wireless density in our K - 12 buildings. The projects noted in this plan will establish a more robust switch infrastructure district-wide to provide a firm foundation for future growth with mobile technologies.

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.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
28-02-03-03-7-999-008

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?

No

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

Name	License Number
John Grillo	27360

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.

	Sub-Allocation
Network/Access Costs	910,261
Outside Plant Costs	

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## School Connectivity

	Sub-Allocation
	(No Response)
School Internal Connections and Components	2,316,747
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>3,227,008</b>

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).
- NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.**
- Add rows under each sub-category for additional items, as needed.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Cisco Catalyst 9300 48-port UPOE, K12	62	5,329	330,371
Network/Access Costs	C9300 DNA Essentials, 48-port, 3 Year Term license	62	568	35,206
Network/Access Costs	1100W AC Config 1 Secondary Power Supply	62	963	59,725
Network/Access Costs	50CM Type 1 Stacking Cable	62	51	3,143
Network/Access Costs	Catalyst Stack Power Cable 30 CM	62	48	2,987
Network/Access Costs	Catalyst 9300 8 x 10GE Network Module	47	1,293	60,764
Network/Access Costs	Catalyst 2960-X FlexStack Plus Stacking Module optional	34	606	20,600
Connections/Components	6 Strand OM4 Armored Plenum Fiber Part # 006T88-31190-A3	13,775	2	29,479
Connections/Components	1U Rack Mount Fiber Panel Part # CCh-01U	41	197	8,080
Connections/Components	LC OM4 Pigtail Panel Part # CCH-CP12-E4-P003SH	49	400	19,611
Connections/Components	Fusion Splice Tray Part # M67-048	49	33	1,607
Connections/Components	Fusion Splice Sleeve Part # 2806032-01	22	55	1,208
Connections/Components	Fire Stop Caulk STI Part # SSS100	28	13	360

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## School Connectivity

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	2U Rack Mount Fiber Panel Part CCh-01U	1	234	234
Connections/Components	Wall Mount Cabinet Part # CWR-18-32PD	1	692	692
Connections/Components	Fan Kit Part #CWR-FKIT	1	125	125
Connections/Components	Labor for Wiring	1	103,988	103,988
Connections/Components	3/4 Plywood	1	50	50
Connections/Components	FireStop Caulk STI Part #SSS100	144	13	1,850
Connections/Components	1 1/2 Kindorf (Unistrut) 10 length	7	35	245
Connections/Components	1 Port Faceplate Part # IFP11EI	653	2	1,038
Connections/Components	1'x1' Ceiling Tile	1,950	2	3,237
Connections/Components	12 Drop Rod with Shot	7,166	3	23,290
Connections/Components	1U Horizontal Wire Manager Part #WMPFSE	31	35	1,093
Connections/Components	1U Rack Mount Fiber Panel Part # CCH-01U	1	197	197
Connections/Components	2 Port Faceplate Part #IFP12EI	762	2	1,212
Connections/Components	2 Bank on Bushing	206	1	132
Connections/Components	2 EMT Conduit	200	2	494
Connections/Components	24 Port Modular Patch Panel Part #UDX24E	26	63	1,637
Connections/Components	2400 Series Metallic Raceway Base & Cover Part V2400BC	800	2	1,520
Connections/Components	2400 Series Metallic Raceway Entrance Fitting Part V2401A	80	4	354
Connections/Components	2Decora Plate Part # ISF2EI	1	2	2
Connections/Components	2U Horizontal Wire Manager Part # WMPF1E	116	41	4,790
Connections/Components	3 Port Faceplate Part # IFP13EI	75	2	119
Connections/Components	3/4 Bushing	55	0	8
Connections/Components	3/4 EMT 1 Hole Strap	255	0	33
Connections/Components	3/4 EMT Conduit	1,050	1	788
Connections/Components	3/4 EMT Connector S/S	55	0	26
Connections/Components	3/4 EMT Coupler S/S	105	1	60
Connections/Components	3/4 EMT LB with Cover S/S	22	6	136
Connections/Components	3/4 Mae West	40	0	17

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## School Connectivity

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	4 Port Faceplate Part # IFP14EI	115	2	183
Connections/Components	4 X 4 Poke Thru Brass Part # S1PT4X4BRS	1	383	383
Connections/Components	4 Bang on Bushing	212	2	363
Connections/Components	4 Bushing	50	2	70
Connections/Components	4 EMT Conduit	440	7	3,199
Connections/Components	4 EMT Connector S/S	50	15	758
Connections/Components	4 EMT Coupler S/S	23	11	244
Connections/Components	4 EMT J Hook	7,166	6	42,924
Connections/Components	4 Kindorf Strap	46	4	195
Connections/Components	4 LB with Cover S/S	28	2	49
Connections/Components	48 Port Modular Patch Panel Part # UDX48E	86	72	6,181
Connections/Components	4U Rack Mount Fiber Panel Part # CCH-04U	1	299	299
Connections/Components	4X4 Poke Thru Box Part # S1PTAL	1	324	324
Connections/Components	6 Port Faceplate Part # IFP16EI	49	2	78
Connections/Components	6 Strand OM4 Armored Plenum Fiber Part # 006T88-31190-A3	200	2	428
Connections/Components	700 Series Metallic External 90 Part V718	90	2	149
Connections/Components	700 Series Metallic Flat 90 Part V711	90	1	126
Connections/Components	700 Series Metallic Internal 90 Part V717	90	2	171
Connections/Components	700 Series Metallic Off Set Connector Part V5786	410	8	3,190
Connections/Components	700 Series Metallic Raceway Part # V700	3,700	1	3,811
Connections/Components	700 Series Metallic Strap Part V704	1,350	0	513
Connections/Components	Bag of Tywraps (100 pack)	65	5	325
Connections/Components	Blank Insert Part #SFBEI10	60	0	8
Connections/Components	Bucket of Drag	9	30	270
Connections/Components	Cat6A Green Plenum Cable Part # 874014104/10	74	663	49,062
Connections/Components	Cat 6A Jack Insert Part CJX88TGGR	40	12	478
Connections/Components	Cat 6A Jack Insert Part HJ6AGN	342	11	3,701

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## School Connectivity

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	Cat 6A Jack Insert Part HJ6AP	42	11	455
Connections/Components	Cat 6A Violet Plenum Cable Part #874010104/10	6	663	3,978
Connections/Components	Duplex Recptical 20 amp Part #ERu20EI-X	12	8	94
Connections/Components	Fan Kit Part #CWR-FKIT	1	125	125
Connections/Components	Fusion Splice Sleeve Part #2806032	12	1	13
Connections/Components	Fusion Splice Tray Part #M67-048	2	33	66
Connections/Components	Roll of Electric Tape	90	1	90
Connections/Components	LC OM4 Pigtail Adaptor Plate Part # CCH-Cp12-E4-P03SH	2	400	800
Connections/Components	Screw & Anchor Kit	563	10	5,630
Connections/Components	Single Gang Surface Mount Box Part # V5744	410	14	5,588
Connections/Components	T70 Device Mounting Bracket Part # T70DB-X	10	3	30
Connections/Components	T70 Electrical Faceplate Part # T70PGSIW	10	4	42
Connections/Components	T70 Raceway Base Prt # T70BIW10	50	3	169
Connections/Components	T70 Raceway Cover Part # T70CIW10	130	2	242
Connections/Components	T70 Raceway Divider Part # T70DW10	50	1	55
Connections/Components	T70 Raceway End Fitting Part # T70ECIW	1	4	4
Connections/Components	T70 Raceway Entrance Fitting Part # T70EEIW	1	20	20
Connections/Components	T70 Raceway Inside Corner Fitting Part # T70ICIW	2	11	22
Connections/Components	T70 Raceway Outside Corner Fitting Part # T70OCIW	2	11	22
Connections/Components	T70 Snap On Faceplate Part 3 T70FH4IW	10	4	43
Connections/Components	T70 Twin Raceway End Cap Part # T702ECIW	6	6	36
Connections/Components	T70 Twin Raceway Inside Corner Fitting Part # T702ICIW	4	13	53
Connections/Components	T70 Twin Raceway Right Angled Fitting Part # T702RAIW	6	21	125
Connections/Components	T70 Twin Raceway Tee Fitting Part #	1	26	26



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## School Connectivity

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	T702TIW			
Connections/Components	T70 Twin Racewy Base Part # T72BIW10	40	7	262
Connections/Components	T70 Work Station Outlet Part # T70WC2IW	10	15	146
Connections/Components	Wall Mount Cabinet Part # CWR-12-32PD	1	659	659
Connections/Components	Wall Mount Protective WAP Enclosure Part # 1016-C	24	192	4,609
Connections/Components	Labor to install WAP drops	1	1,108,659	1,108,659
Connections/Components	AP-220-MNT-W3 LOW PROF SECURE AP MNT KIT	718	43	30,695
Connections/Components	AP-314 DUAL 2X2 4X4 802.11AC AP	375	567	212,682
Connections/Components	AP-335 DUAL 4X4:4 11AC 2.5GBE AP	84	966	81,157
Connections/Components	AP-ANT-1W 2.4 5G 4 6DBI OMNI	2,632	17	45,007
Connections/Components	CNTRLR PER AP CAPACITY LICS ELTU	742	43	31,721
Connections/Components	CNTRLR PER AP PEF LICS ELTU	742	43	31,721
Connections/Components	CNTRLR PER AP RFPROTECT LICS ELTU	742	43	31,721
Connections/Components	Oberon: Polycarbonate NEMA4 Box for Wireless Gear 16" x 14 "x 8" Solid Hinged Door	26	174	4,516
Connections/Components	Aruba 1Y FC 24x7 AP RFProtect SVC	742	7	5,090
Connections/Components	Aruba 1Y FC 24x7 AP RFProtect SVC	742	7	5,090
Connections/Components	Aruba 1Y FC 24x7 AP RFProtect SVC	742	7	5,090
Connections/Components	HVAC	25	15,000	375,000
Network/Access Costs	10GBASE-SR SFP Module	112	504	56,501
Network/Access Costs	Tripp Lite 10Gb Duplex Multimode 50/125 OM3 LSZH Fiber Patch Cable (LC/LC) 3M	112	511	57,280
Network/Access Costs	Labor	1	283,684	283,684

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## Community Connectivity (Broadband and Wireless)

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. 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)
<b>Totals:</b>	<b>0</b>

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## Classroom Learning Technology

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.

(No Response)

- 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	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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

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

(No Response)

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.

(No Response)

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Classroom Learning Technology

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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?"

(No Response)

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.

(No Response)

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."

(No Response)

9. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.

☐ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

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

(No Response)

- 9b. Enter the primary Institution phone number.

(No Response)

- 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.

(No Response)

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
-

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## Classroom Learning Technology

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

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

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

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

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

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

14. If you are submitting an allocation for Classroom Learning Technology complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

15. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

**NOTE:** Wireless Access Points that will be loaned/purchased for nonpublic schools should **ONLY** be included in this category, not under School Connectivity, where public school districts would list them.

**Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000**Classroom Learning Technology

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**Add rows under each sub-category for additional items, as needed.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## Pre-Kindergarten Classrooms

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.

Please indicate on a separate row each project number given to you 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)
<b>Totals:</b>	<b>0</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
Add rows under each sub-category for additional items, as needed.

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

Pre-Kindergarten Classrooms

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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
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)



## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## Replace Transportable Classrooms

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.

Please indicate on a separate row each project number given to you 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)
<b>Totals:</b>	<b>0</b>

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## High-Tech Security Features

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 District intends to utilize a portion of the SMART Schools funds to upgrade and expand our current security system. The proposed District wide security would provide keyless entry at major entrances for students, teachers and staff; a door notification and video surveillance on every doorway that leads to the outside.

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.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
28-02-03-03-7-999-008

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
John Grillo	27360

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	317,388
Entry Control System	563,701
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>881,089</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	2 Megapixel Interior Low Lux D/N Mini	183.00	499	91,317

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## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	Dome Camera (CMP1228)			
Electronic Security System	Camera Configuration / Setup / Programming (CCCONFIG)	183.00	49	8,967
Electronic Security System	Extended Camera Wiring (CCEXT)	183.00	150	27,450
Electronic Security System	Indoor camera Mounting & Focusing (LAB-CC-FCMF12)	183.00	225	41,175
Electronic Security System	Indoor Camera Wiring (LAB-CC-FCW12)	183.00	294	53,802
Electronic Security System	Labor for High Security Camera	183.00	155	28,365
Electronic Security System	1 TB Hard Drive (WD1TB)	128.00	144	18,432
Electronic Security System	Digital Interface 16 Port Board (GV-800-16)	16.00	999	15,984
Electronic Security System	Digital Interface Real Time Upgrade (CCDRTU)	16.00	449	7,184
Electronic Security System	Digital Viewing Software (CCDVS)	16.00	99	1,584
Electronic Security System	DVR 32 Channel Support Upgrade (CC32UP)	8.00	499	3,992
Electronic Security System	DVR Server (GEO-TOWER-C)	8.00	999	7,992
Electronic Security System	DVR Server Configuration (CCSC)	8.00	129	1,032
Electronic Security System	EMAP Setup & Configuration (CCEMAP)	8.00	249	1,992
Electronic Security System	Network Connection & Configuration (CCNC)	8.00	249	1,992
Electronic Security System	Pan Tilt Zoom Camera Controller Card (CCPTZCC)	8.00	299	2,392
Electronic Security System	Rackmount Case (GV-RMCASE)	8.00	170	1,360
Electronic Security System	Remote Access Configuration (CCRAC)	8.00	99	792
Electronic Security System	Remote Viewing Software (CCRVVS)	16.00	99	1,584
Entry Control System	12v 7Amp 1-Ir Battery (BATT12V12)	16.00	42	672
Entry Control System	16v AC Access Panel Power Supply (ACCPSP)	16.00	29	464
Entry Control System	4 Door Keyscan Access Control Panel (KEYPANEL4)	3.00	2,399	7,197
Entry Control System	8 Door Keyscan Access Control Panel (KEYPANEL8)	5.00	4,199	20,995
Entry Control System	Control System Installation (ACCCSI)	8.00	175	1,400
Entry Control System	Door Control Power Supply (4	13.00	195	2,535

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	Channel) (ACCPWR)			
Entry Control System	Door Opener Device Wiring (ACCD SW)	44.00	175	7,700
Entry Control System	Door Strike	44.00	496	21,824
Entry Control System	Door Strike Installation (ACCD SI)	44.00	350	15,400
Entry Control System	Keyscan Access Control System Software (ACCKSOFT)	8.00	749	5,992
Entry Control System	Netcom Board (KEYNETCOM)	8.00	479	3,832
Entry Control System	Network Connection & Configuration (CCNC)	8.00	249	1,992
Entry Control System	Pipe/Conduit/Wiremold Per Door (TJ90 PLATE)	44.00	129	5,676
Entry Control System	Proximity Card Reader (ACCKREADER)	44.00	304	13,374
Entry Control System	Proximity Card Reader Installation - Indoor Lvl 1 (LAB-ACC-PCRI11)	44.00	175	7,700
Entry Control System	Proximity Reader Extended Wiring w/ AMP (ACCEPW)	44.00	175	7,700
Entry Control System	Proximity Reader Wiring (Up to 150 Feet) (ACCCPW)	44.00	235	10,340
Entry Control System	Hourly Labor	104.00	155	16,120
Entry Control System	Software Programming/Installation (ACCPROG)	8.00	375	3,000
Entry Control System	16 Channel I/O Controller (CC1016)	32.00	299	9,568
Entry Control System	8 Port Relay Output Module (4286)	60.00	199	11,940
Entry Control System	Alarm Controls - POPIT (LUC)	438.00	40	17,520
Entry Control System	Alarm Device Installation Lvl 1 (LAB-IA-IADII1)	438.00	95	41,610
Entry Control System	Alarm Device Wiring Lvl 2 (LAB-IA-IADW12)	438.00	320	140,160
Entry Control System	BOSCH 246 Point Intrusion Alarm (8ZNALRM)	8.00	749	5,992
Entry Control System	Burglar Alarm Software Programming - Lvl 4 (Software Programming, System Takeover, manual remapping of system) (LAB-IA-BRGSOFT4)	8.00	840	6,720
Entry Control System	Controller Installation (ACCCSI)	32.00	175	5,600
Entry Control System	Door Contact (960)	438.00	47	20,582

## Smart Schools Investment Plan - 2016-17 Version (Original) - 280203030000

## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Entry Control System	Door Contact Configuration/Setup/Programming (ACCPROG)	438.00	175	76,650
Entry Control System	EMAP Setup & Configuration (CCEMAP)	8.00	249	1,992
Entry Control System	Extended Wire Run (AVWIRE)	438.00	150	65,700
Entry Control System	Keypad (212R)	8.00	349	2,792
Entry Control System	Popex Zone Expander (1AZONEEXP)	8.00	99	792
Entry Control System	Site Specific Hourly Labor	14.00	155	2,170

