Page Last Modified: 07/27/2016

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

   Dante Santora

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

   914-576-4648

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

   dsantora@newrochelle.k12.ny.us

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.

Page Last Modified: 07/27/2016

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.**

SMART Bond Plan Meetings Log 12_3_15.docx
SUNY_CUNY Letter.docx
Approved Board Resolution SSIP.pdf
000 Proposed SMART Bond PLAN 11_2_15_.pdf
SMARTBond#fromNYSED.pdf

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

13,138

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:**

$3,527,277

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	1,619,152
Connectivity Projects for Communities	0
Classroom Technology	1,407,380
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	399,979
Totals:	3,426,511.00

Page Last Modified: 07/27/2016

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.

   - For a greater return on investment in terms of education technology and with additional devices, we will expand our network infrastructure at all CSDNR schools to upgrade to 10 Gigabit switches, 10 Gigabit fiber optics and upgraded UPS Network Management with environmental monitoring for these new devices to ensure ubiquitous access to teachng and learning applications. The CSDNR will meet the minmium bandwith requirment of 1,071Mbps by 7/1/17.
   - This is designed to increase Internet speeds between CSDNR schools out to the Internet from 1 Gigabit to 10 Gigabit between buildings to facilitate capacities for teachers and students to access web based tools for teaching and learning.
   - We are also adding 4,233 additional Chromebook 11 laptops and will need the additional Internet speed to support teaching and learning on our network/

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	10,708	1,070,800	1071	500	1071	07/01/2017

Page Last Modified: 07/27/2016

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

    - **Upgrade CSDNR Network Infrastructure** Expand network Infrastructure at all CSDNR schools to upgrade to 10 Gigabit switches, 10 Gigabit fiber optics and upgraded UPS Network Management with environmental monitoring for these new devices. This is designed to increase Internet speeds between CSDNR schools out to the Internet from 1 Gigabit to 10 Gigabit capacities.
    - *Expand CSDNR Wireless Access for Classrooms* Currently CSDNR has a Wireless Aruba Network at all schools and Wireless Aruba Access Points in all School Libraries, in all Secondary School Cafeterias, Elementary Cafeteria, Meeting areas for Students at New Rochelle High School, Classrooms in New Rochelle High School, Classrooms at Albert Leonard Middle Schools, Classrooms at Isaac E. Young Middle School, Outdoor Access points at Elementary School, Meeting rooms in District Office, on all laptop carts in all schools and at all sites for Board of Education Meetings. SSBA funding will be expanding our Aruba wireless components at all schools including Wireless Access Points (WAPS) for classrooms, instructional areas, and Outdoor WAPS to narrow our digital divide for afterschool access and includes:
    - New Rochelle High School
    - Campus Alternative High School
    - Albert Leonard Middle School
    - Isaac E. Young Middle School
    - Henry Barnard PreK-3 Elementary School
    - Columbus Elementary School
    - Daniel Webster Elementary School
    - George M. Davis Elementary School
    - Jefferson Elementary School
    - Trinity Elementary School
    - William B. Ward Elementary School
    - Outdoor WAPS at all schools

    The project for School Connectivity is intended to replace and extend the Wireless network by adding Wireless Access Points WAPs and other appliances to enhance network connectivity district wide. This project was previously approved for streamlined status. (See attachment in Overview Q5a)

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 linkage between the District Instructional Technology Plan and the proposed projects is to embed technology into the delivery of instruction and continue to provide equitable access to technology tools to prepare all learners to be college and career ready.
    This includes:
    - Upgrading network connectivity from 1 Gigabit to 10 Gigagbit switches between all schools to the Internet.
    - Expand Wi-Fi access in classrooms to impact teaching and learning.
    - Expand Wi-Fi access on the roofs of all school buildings to provide wifi after school hours and on weekends to narrow our digital divide.
    - Expand Wi-Fi devices (Chromebooks) in classrooms to impact teaching and learning

Page Last Modified: 07/27/2016

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.

   We plan to expand our current CSDNR Wireless Access for Classrooms with this project.
   We currently at 500 MB of internet bandwith.
   Currently CSDNR has a Wireless Aruba Network at all schools and Wireless Aruba Access Points in all School Libraries, in all Secondary School Cafeterias, Elementary Cafeteria-Columbus School, Elementary building-Columbus School that also has outdoor WiFi access points installed on the roof for use afterschool and on weekends for students who do no have Wi-Fi at home Meeting areas for Students at New Rochelle High School, Classrooms in New Rochelle High School, Classrooms at Albert Leonard Middle Schools, Classrooms at Isaac E. Young Middle School, Outdoor Access points at Elementary School, Meeting rooms in District Office, on all laptop carts in all schools and at all sites for Board of Education Meetings. SSBA funding we will be expanding our Aruba wireless components at all schools including Wireless Access Points (WAPS) for classrooms, instructional areas, and Outdoor WAPS to narrow our digital divide for afterschool access and includes:
   - New Rochelle High School
   - Campus Alternative High School
   - Albert Leonard Middle School
   - Isaac E. Young Middle School
   - Henry Barnard PreK-3 Elementary School
   - Columbus Elementary School
   - Daniel Webster Elementary School
   - George M. Davis Elementary School
   - Jefferson Elementary School
   - Trinity Elementary School
   - William B. Ward Elementary School
   - Outdoor WAPS at all schools

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
66-1100-01-7-999-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.**

Page Last Modified: 07/27/2016

Name	License Number
Tom Ritzenthaler	23344

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	289,694
Outside Plant Costs	0
School Internal Connections and Components	1,286,420
Professional Services	35,238
Testing	7,800
Other Upfront Costs	0
Other Costs	0
Totals:	1,619,152.00

10. **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)

Page Last Modified: 05/25/2016

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)
Totals:	

7. **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)

Page Last Modified: 07/27/2016

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 City School District of New Rochelle (CSDNR) is currently at 500 MB of internet badwidth.

   CSDNR participates in Internet Services from the Lower Hudson Regional information Service (LHRIC) BOCES Consortium who has confirmed that the Bandwidth Requirements as Per Broadband Commission Report on April 2015, has been met by providing the following information:

   Student count based on the Current BEDS Data (2014-2015) for 10,867 students

   Bandwidth Internet Speed Standard as Per the Broadband Commission Report for April 2015 (Based on 100MB per 1,000 students) = 1,087

   District Intra-Building Connectivity = 10GB Managed Fiber, Currently configured for 1GB due to old electronics

   District to LHRIC BOCES Connectivity = 2 x 1GB TLS Circuits

   District Current Internet Bandwidth = 400 Megabytes

   District Potential Internet Capacity = 2 Gigabytes

   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	10,708	1,070,800	1071	500	1071	07/01/2017

Page Last Modified: 07/27/2016

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.

   The City School District of New Rochelle (CSDNR) currently meets the minimum Internet speed 100 Mbps per 1,000 students as required by the Smart Schools Bond Act Guidelines.

   We will be expanding our Wi-Fi network through (2) Smart Schools Bond Act funded **School Connectivity** projects explained below that are included in this application to meet the 4,298 Dell 11 Chromebooks being added to our classrooms through this application.

   * Please Note- The additional 1,114 Dell 11 Chromebooks being funded through the Smart Schools Bond Act be loaned out to the (10) Non-Public schools located in New Rochelle. These devices will not be on the City School District of New Rochelle's network, but will be on the (10) Non-Public schools networks and are loaned devices as required by the Smart Schools Bond Act Guidelines.

   Smart School Bond Act School Connectivity Projects

   - **Upgrade CSDNR Network Infrastructure** Expand network Infrastructure at all CSDNR schools to upgrade to 10Gigabitt switches, 10Gigabitt fiber optics and upgraded UPS Network Management with environmental monitoring for these new devices. This is designed to increase Internet speeds between CSDNR schools out to the Internet from 1Gigabitt to 10Gigabitt capacities.

   - *Expand CSDNR Wireless Access for Classrooms* Currently CSDNR has a Wireless Aruba Network at all schools and Wireless Access Points in all School Libraries, in all Secondary School Cafeterias, Elementary Cafeteria, Columbus School, Elementary building Columbus School with outdoor WiFi access points that are used after school and on weekends for students who do not have Wi-Fi at home. Meeting areas for Students at New Rochelle High School, Classrooms in New Rochelle High School, Classrooms at Albert Leonard Middle Schools, Classrooms at Isaac E. Young Middle School, Outdoor Access points at Elementary School, Meeting rooms in District Office, on all laptop carts in all schools and at all sites for Board of Education Meetings. With SSBA funding we will be expanding our Aruba wireless components at all schools including Wireless Access Points (WAPS) for classrooms, instructional areas, and Outdoor WAPS to narrow our Digital Divide forafterschooll access and includes:

   - New Rochelle High School
   - Campus Alternative High School
   - Albert Leonard Middle School
   - Isaac E. Young Middle School
   - Henry BarnardPreKK-3 Elementary School
   - Columbus Elementary School
   - Daniel Webster Elementary School
   - George M. Davis Elementary School
   - Jefferson Elementary School
   - Trinity Elementary School
   - William B. Ward Elementary School
   - Outdoor WAPS at all schools

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.

Status Date: 07/27/2016 01:28 PM

Page Last Modified: 07/27/2016

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 plans to purchase 5,412 Dell Chromebook 11 laptops (4,298 for the District and 1,114 for the Non-Public School Loaning Program. Each Dell Chromebook features an 11" screen, Intel Processor, 4 GB of Memory, Intel Duel-Band wireless capabilities and features a 10 hour battery. They will be purchased with the Chrome OS Management so that they can be added to the District's existing CSDNR Google for Education (GAFE) Management CLOUD. These units are allocated in groups of 30 to classrooms and will be charged and secured in Dell Mobile Computer carts in classrooms that will be purchased through Ddistrict budgeted funds.

   The model selected, Dell Chromebook 11, were chosen to expand upon the current (3,940) Dell Chromebook 11 we currently have distributed and in use throughout 10 schools in classrooms. This technology has a proof-of-concept for portability, excellent durability, sustainability and successful integration into the Grade 2-12 curriculum. This equipment is also supported for break, fix, repair through our BOCES Support contract. We plan to purchase the laptopcarts needed on a district budgeted project.

   The Chromebook 11 laptop devices work extremly well with our Aruba Wireless network, Internet filtering (Lightspeed) and our Google for Education (GAFE) CLOUD for students and teachers. We are in year (5) of integration Google for Education CLOUD and in year (2) of integration of Google Classroom for grades 2-12.

Page Last Modified: 07/27/2016

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

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

The proposed technology purchases will:

>Enhance Differenciated Instruction

- Explore and implement new hardware options that support the Universal Design model and differentiaded learing strategies that are integrated in K-12 classrooms in our District.
- Continue to provide online content and curriculum portals and APPS for Students with Disabilities, English Language Learners, Homebound students and ALL students in blended learning environments.
- Integrate technology into the classroom and expand on our abilitty to provide a one-to-one learning environement for ALL students

>Expand student learning inside and outside the classroom

- Continue to provide online content and curriculum portals for students and homebound students in blended learning environments.
- Integrate technology into the classroom and provide 24/7 access to educational learning portals.
- Continue to provide increased opportunities for student-centered learning in Pre K-12 utilizing technology, including mobile computing.
- Create global classrooms that promote cross-cultural and multi-discipline learning experiences.
- Continue to develop local and global communication networks to share information and ideas among students, faculty, staff, parents and the community.
- Integrate web-based tools into the curriculum and continue to build on our current email and videoconference solutions in place.
- Continue to provide online content and curriculum portals for students and homebound students in blended learning environments.
- Integrate technology into the classroom and provide 24/7 access to educational learning portals.

>Benefit Students with Disabilities and English Language Learners

- Continue to develop multiple means of communicating such as audio video, filming, live broadcasting, and graphic arts tools.
- Improve ALL students' ability to analyze, critically evaluate, and produce communication in a variety of artistic forms and creative formats.
- Continue to develop and provide online courses and online hybrid learning courses for middle and high school students, and K-12 teachers.
- Further, develop and integrate benchmarks of technological skills for ALL K-12 students.
- The standards will serve as a framework to spiral from grade to grade and will be embedded into the daily instruction via digital media strategies and web based learning tools.
- Keyboarding and PARCC Readiness technology skills will be explored and expanded within the curriculum. ALL Students will be exposed to a variety of online testing environments.
- Continue to develop global connections within the school day via internet-based video conferences and webinars to expand virtual connections.

>Contribute to the reduction of other learning gaps that have been identified within the district.

- The increase of 4,298 Chromebooks will provide more access to technology in our classrooms to give students more opportunities for literacy learning, more opportunities to write, read and communicate digitally to better aquire college and career readiness needed. We are targeting our gaps in the transition grades- Grade 2 to 3, Grades 5 to 6 and Grades 8 to 9.

Page Last Modified: 07/27/2016

7. **Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

The addition proposed technology purchases will greatly enhance on-going communication with students, teachers and parents and other stakeholders as we will be able to provide wireless filtered access after school hours for students to be able utilize our online learning and communications tools-school websites, district website, learning management systems and email tools. By installing the outdoor wireless access points on all our school buildings, students whose families cannot afford Internet access at home will now be able to receive a District Wi-Fi filtered access within a half mile to a mile radius of the school they live the closest to. This will greatly narrow our digital divide for our students in our District. The additional 4,298 Chromebooks will allow us to greatly expand a one-to-one technology classroom environment that we have.

Page Last Modified: 07/27/2016

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."

As technology becomes more widely available and continues to change, there is a compelling need to provide on-going professional development to support educational reform goals, New York State standards and Common Core Standards, to model collaborative inquiry-based learning and to guide staff toward incorporating the global infrastructure in instruction and productivity.

The Smart Schools Bond Act does not provide allocations for Professional Development. The City School District of New Rochelle will continue providing resources and funding based on its approved budgets to support and promote activities for technology professional development for staff, teachers and administrators. Furthermore, we will explore and engage in any other grant opportunity to supply for additional opportunities for technology professional development and ensure our staff, teachers and administrators can efficiently use the technology and effective promote student achievement, teaching and learning.

The technology professional development goals below are from the 2015-2018 CSDNR District Technology Plan:
- Continue to use the (10) Instructional Technology Facilitators as the foundational source of on-going and on-demand technology staff development experiences for administrators, teachers, and staff in our schools.
- Continue to support other staff developers from in-district staff and/ or others who are knowledgeable about local curriculum and learning goals to integrate technology into the classroom.
- Continue to provide technology staff development by examining District and curricular needs, working individually with colleagues, planning, presenting workshops during the school day, at faculty meetings, through online professional development portals, tutorials and media.
- Continue to expand the variety of technology staff development offerings. This includes: online courses, streaming video and online tutorials that allow teachers and staff to have access to training that can take place "anytime, anywhere".
- Continue to investigate how technology can provide staff development experiences.
- Offer differentiated training opportunities to address the increasing specialized applications of technology. Staff development should include technology and workshops targeted to staff members who possess different levels of technology proficiency.
- Seek to hire new staff members who have competency in technology.
- Continue to train Parents/Guardians of District students to utilize and access our Home Access Portal. This portal provides information about student attendance, report cards, progress reports, transcripts, GPA, emergency contact information, and teacher communication resources.
- Provide on-going technology staff development for Administrators, Supervisors and Support Staff in data, productivity and communications.

Per our NYSED approved instructional technology plan:
- Provide a technology-enhanced learning environment for students to develop competencies and skills in technology literacy.
- Enable students to evaluate, interpret, analyze, and utilize information purposefully in support of the Common Core stanPreds.
- Continue to provide increased opportunities for student-centered learning.
- Continue Pre K-12 utilizing technology, including mobile computing.
- Create global classrooms that promote cross-cultural and multi-discipline learning experiences.
- Continue to develop local and global communication networks to share information and ideas among students, faculty, staff, parents and the
- community.
- Continue to provide online content and curriculum portals for students and homebound students in blended learning environments.
- Continue working with Google Apps for Education and Google Classroom in grades 3-12.
- Continue to implement new hardware and software options that support the Universal Design model.
- Continue to develop multiple means of communicating such as audio video, filming, live broadcasting, and graphic arts tools.
- Continue to develop and provide online courses and online hybrid learning courses for middle and high school students, and K-12 teachers

We are planning for the following Professional Development Sessions for teachers:

SCHOOL YEAR	TOPIC	AUDIENCE	METHOD OF DELIVERY
2016-17	Google Apps for Education Fundamentals	Teachers	Workshop/onlne resources

2016-17	Using Google Tools in the Classroom	Teachers	Workshop/Online Resources
2016-17	Using Google Tools in the Classroom -intermediate	Teachers	Workshop/Online Resources
2016-17	Integrating Google Apps with your Curriculum	Teachers	Workshop/Online Resources
2017-18	Similar topics will be offered	Teachers	Workshop/Online Resources

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

Page Last Modified: 07/27/2016

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

The City School District of New Rochelle BOE and Community has approved the purchase of new Dell Chromebooks as the instructional technology devices to provide access to online teaching and learning in the classroom. We have met with all Non Public Schools and provided for multiple opportunities to select the technology to be loaned as part of their shared allocation as recorded in the Smart Bond Plan Meeting Log 12_3_15.docx attached to this application. The Non Public Schools have agreed to these devices. However, we have made provisions for the schools as directed in the guidance if they decide to make changes in their preferences for devices under category Classroom Learning Technology such as any other eligible device listed such as: Interactive White Boards, Projectors, desktop Computers, etc.
According to Smart Schools Bond Act Guidelines located at:
http://www.p12.nysed.gov/mgtserv/documents/SmartSchoolsBondActGuidance_AL5-16-16.pdf

The City School District of New Rochelle is making every effort to provide for all children in New Rochelle School District boundaries, based on the provisions by the SSBA guidance documents and regulations. Therefore, we have following the proportional calculation of the allocation per pupil following on the formula published by NYSED. We have
divided our purchase of classroom technology devices proportionally to the last BEDs reported enrollment for each of the (09) Non-Public Schools located in the City of New Rochelle geographical boundaries as per NYSED Nonpublic District of Enrollment Report available at:
http://www.p12.nysed.gov/mgtserv/smart_schools/NP_DistOfAttend-2014-15_R.xlsx

Breakdown of allocation for the Non-Public Schools:

Total Public School k-12 Enrollment 2014-15 = 10,708
Total Nonpublic k-12 Enrollment 2014-15 = 2,786
GRAND TOTAL ENROLLMENT = 13,494

Classroom Learning Technology Amount = $1,407,380.00
Divided by Grand Total Enrollment = / 13,494
Per pupil Classroom Learning Technology Allocation = $104
Total NP Classroom Learning Technology Loan Allocation $289,744.00

Non Public School	K-12	Total CLT loan Allocation
HOLY NAME OF JESUS SCHOOL	145	$15,080.00
IONA PREP SCHOOL	945	$98,280.00
SALESIAN HIGH SCHOOL	513	$53,352.00
URSULINE SCHOOL	753	$78,312.00
WESTCHESTER TORAH ACADEMY	56	$5,824.00
WESTCHESTER AREA SCHOOL	111	$11,544.00
MOUNT TOM DAY SCHOOL	15	$1,560.00
THORNTON DONOVAN SCHOOL	150	$15,600.00
HUDSON COUNTRY MONTESSORI SCH	98	$10,192.00
NP TOTAL CLT LOAN ALLOCATION	**2,786**	**$289,744.00**

The Classroom Learning Technology equipment will be loaned to Non-Public Schools via application during the month of September in the school year when our SSIP is approved by the SSBA Review Board. Each June NRCSD technology staff will be commission to review, verify and inventory the CLT and equipment provided via SSBA funding to the Non-Public Schools in a loan program as per the guidance from NYSED.

Page Last Modified: 07/27/2016

This will allow the District to run updates on the Chrome operating system, access/record any accidental damage that occurred and coverage as well as service the Chromebooks as needed before the next school year begins. The $1,407,596 SSBA allocation may have to be purchased over (2) budget cycles based on school district funds available for the approved expenditures and to facilitate the 90-Day Reimbursement process after approved by the SSBA Review Board.

We will recommend to the Non-Public Schools to provide with accidental damage insurance coverage for the loaned equipment in case of loss, theft, damage or missing power cords. In addition, we will recommend to the Non-Public Schools to fulfill the SSBA requirement of 100 mbps for every 1,000 students of Internet connectivity. We will also recommend to the Non-Public Schools to have contracted an Internet filtering Service with their ISP to ensure all students who use the loaned equipment will be protected and in compliance with Federal Children's Internet Protection Act (CIPA) regulations.

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

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

11. **Nonpublic Classroom Technology Loan Calculator**
The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of $250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.
See:
http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	1,407,380	10,708	2,786	13,494	104	289,744

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.

Page Last Modified: 07/27/2016

	Sub-Allocation
Interactive Whiteboards	0
Computer Servers	0
Desktop Computers	0
Laptop Computers	1,407,380
Tablet Computers	0
Other Costs	(No Response)
Totals:	1,407,380.00

15. **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 - 1082015

Pre-Kindergarten Classrooms

Page Last Modified: 06/01/2016

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. **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)

Page Last Modified: 05/17/2016

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. **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)

Page Last Modified: 06/03/2016

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.**

   in alignment with our NYSED approved instructional plan we are upgrading our security to provide for a safe environment teaching and learning. Our District currently has a (7) year old security network and cameras that needs to be upgraded.

   We intent to use Smart Schools Bond Act funds to:

   • Replace seven security network servers and 49 analog camera to high resolution digital cameras.

   • Upgrade of the server infrastructure along with the access equipment at 50 doors. Existing electronic door hardware would be reused.

   • Upgrade the (50) existing access controlled doors to the Avigilon access control system reusing the existing lock devices, wiring and network connections.

   • Upgrade the access control appliance server to support 128 doors

   • Upgrade (useable storage) servers with 250 Mbps of throughput, (3) - 10 Terrabyte (useable storage) servers with 250 Mbps of throughput. The servers would be installed in existing rack space and connected to existing UPS in each of the seven locations. Configuration services are included to setup recording for all 228

   • Upgrade the security network for full viewing and control of the cameras locally if the local building is disconnected from the Wide Area Network.

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
66-11-00-01-7-999-SB1

3. **Was your project deemed eligible for streamlined Review?**

   ☑ Yes
   ☐ No

   3a. **Districts with streamlined projects must 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.**

   ☑ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Tom Ritzenthaler	23344

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)	0
Electronic Security System	227,046
Entry Control System	172,933
Approved Door Hardening Project	0
Other Costs	0
Totals:	399,979.00

Page Last Modified: 06/03/2016

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

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