

White Plains School District

Smart Schools Investment Plan

SMART SCHOOLS INVESTMENT PLAN OVERVIEW

This section is required to be completed prior to submitting any additional sections.

1. 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.

2. Pursuant to the requirements of the Smart Schools Bond Act, the planning process for a district's Smart Schools Investment Plan must include consultation with parents, teachers, students, community members, any nonpublic schools located in the district and other stakeholders.*

By checking the boxes below, you certify 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
- Nonpublic schools within the district, if applicable.

3. 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 public 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 was 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 website.

4. Upload the final plan that was posted on the district's website.

5. Enter the budget sub-allocations by category that you are submitting for approval at this time. If the value entered is \$0, you will not be required to complete that survey section.

Budget Category	Sub-allocation
School Connectivity	\$1,746,127
Classroom Technology	\$0
Connectivity Projects for Communities	\$0
Pre-Kindergarten Classrooms	\$0
Replacement of Classroom Trailers	\$0
High-Tech Security Features	\$0
Unallocated Funds	\$0

SCHOOL CONNECTIVITY (BROADBAND AND WIRELESS)

A district must complete this section if its final plan includes proposed investments in this category or in the Learning Technology category

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

The White Plains School District intends on using Smart Schools Bond Act funds for capital construction costs to install new broadband network and enterprise WiFi networking equipment on a one-time, capital improvement basis in order to expand broadband network access and increase wireless capacity in and around the school buildings for our students. Funding will be used for the purchase of all of the network/access costs, school internal connections/components and professional services required for the capital construction project. Funding for this capital project will ensure all school building meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students.

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

The district plans to use the model of Learner Active Technology Infused Classrooms (LATIC) in order to improve teaching and learning and promote collaboration and digital citizenship aligned with ISTE and Common Core Standards and the district curriculum. LATIC focuses on three primary goals; engagement with content, student responsibility for learning, and high academic rigor. The district will use 1:1 Mobile devices that provides 24/7 access to instructional resources such as online databases and curriculum specific software applications, and cloud based software that promotes collaboration and creativity.

Teachers and students will have greater access to resources that promote personalized learning as well as peer to peer collaboration. This increased access will allow teachers to create differentiated learning pathways that allow all students to achieve success.

In order to complement and enhance the district's investment in 1:1 mobile devices and LATIC professional development (non-SmartSchools funding), all of the schools and classrooms require a reliable, secure, high speed local area network (LAN) backbone upon which an enterprise Wi-Fi network is built upon for both coverage and density. Without the reliable, secure and high speed network and classroom WiFi connectivity, the Instructional Technology Plan for a 1:1 initiative will not be as successful.

3. To ensure that districts maximize the return on their investment in education technology and devices, Smart Schools Bond Act funds used for technology infrastructure investments must increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students.

Please describe how you will use SSBA funds to meet this standard. *Note: If a district believes that it will be impossible to meet this standard within 12 months, it should describe how it meets the criteria for a waiver as described on the Smart Schools website.*

The White Plains School District has allocated capital construction funds from a local voter approved bond issue for four secondary schools (grades 6-12) towards the purchase of all of the network/access costs, school internal connections/components and professional services. A new reliable, high speed and secure Gigabit (1GB) local area network (wiring installation and switching equipment), upon which an enterprise Wi-Fi network with redundant controllers with a capacity of 1300 Mbps on the 5 GHz band plus up to 450 Mbps on 2.4 GHz bands on each classroom WiFi access point has been installed. The completion of the four secondary schools is expected by December 2015.

The District will use the SSBA funds towards the capital construction costs for the five remaining elementary schools towards the purchase of all of the network/access costs, school internal connections/components and professional services. A new reliable, high speed and secure Gigabit (1GB) local area network (wiring installation and switching equipment), upon which the Wi-Fi network (as described above) would be extended to the five elementary school for the installation of WiFi access points in every classroom with the capacity of 1300 Mbps on the 5 GHz band plus up to 450 Mbps on 2.4 GHz bands.

In addition the District has upgraded its Wide Area Network (WAN) between its schools with a current capacity of 10GB (with expansion capacity of up to 40GB).

The District's internet broadband access is currently at 500MB and will be increased to 800MB by July 1, 2016 (using district funds). The total BEDS enrollment for 2014-15 is 7289.

All of the above technology infrastructure investments will increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students.

4. 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 White Plains School District has allocated capital construction funds from a local voter approved bond issue for four secondary schools (grades 6-12) towards the purchase of new reliable, high speed and secure Gigabit (1GB) local area network (wiring installation and switching equipment), upon which an enterprise Wi-Fi network with redundant controllers with a capacity of 1300 Mbps on the 5 GHz band plus up to 450 Mbps on 2.4 GHz bands in each classroom WiFi access point has been installed. The WiFi network installation will provide coverage and capacity through the installation of one access point in every classroom and four to five access points in large group areas (such as Gym and Cafeterias). Each access point will have the capacity to handle 30-50 devices at one time. The average class size for our secondary schools is 28 students.

The completion of the four secondary schools is expected by December 2015.

The District will use the SSBA funds towards the capital construction costs for the five remaining elementary schools (grades K-5) towards building a new reliable, high speed and secure Gigabit (1GB) local area network (wiring installation and switching equipment), upon which the Wi-Fi network (as described above) would be extended to the five elementary school for the installation of WiFi access points in every classroom with the capacity of 1300 Mbps on the 5 GHz band plus up to 450 Mbps on 2.4 GHz bands. The WiFi network installation will provide coverage and capacity through the installation of one access point in every classroom and four to five access points in large group areas (such as Gym and Cafeterias). Each access point will have the capacity to handle 30-50 devices at one time. The average class size for our elementary schools is 25 students.

5a. As indicated in the Guidance on page five, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects. Please indicate the project number(s) given to you by the Office of Facilities Planning.

Insert Project Number here: 66-22-00-01-7-999-002

Was your project deemed eligible for streamlined review? (+ streamlined).

Yes

No

5b. 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. (+streamlined)

By checking this box, you certify that you, or your designee, have reviewed all installations with a licensed architect or engineer of record.

5c. Include the name and license number of the architect. (+ streamlined).

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Connectivity Projects for Schools	
Network/Access Costs	\$ 1,209,760.00
Outside Plant Costs	
School Internal Connections and Components	\$ 465,001.00
Professional Services	\$ 71,366.00
Testing	
Other Upfront Costs	
Other Costs	
Subtotal	\$ 1,746,127.00