



Plainview-Old Bethpage CSD 2016-2017

***Smart Schools Bond Act
and the District's Smart Schools Investment Plan***

September 7, 2016



Overview

The New York Bonds for School Technology Act was approved by the voters in November 2014. The approved referendum authorized the state Comptroller to issue and sell bonds up to the amount of \$2 billion. It has since been re-named the “Smart Schools Bond Act”.

Plainview-Old Bethpage’s allocation is \$1,637,283.

The revenue received from the sale of such bonds are, according to the proposal, used for projects related to the following:



Six Smart School Categories

1) School Connectivity

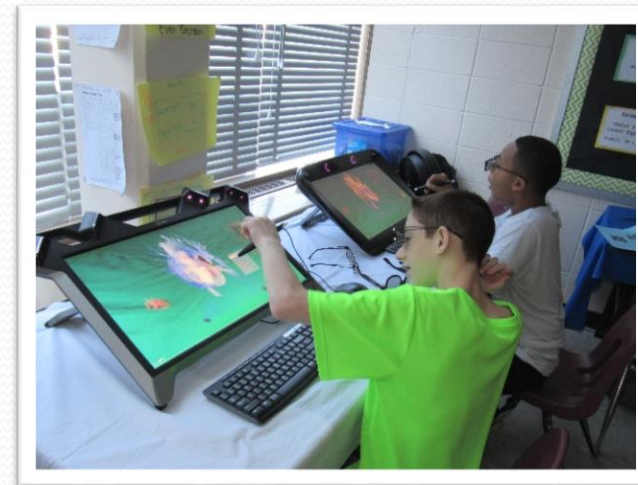
Install high-speed broadband or wireless internet

2) Classroom Technology

Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers;

3) Connectivity Projects for Community

Connectivity for communities



Six Smart School Categories

4) Pre-K Classrooms

Construct, enhance, and modernize educational facilities to accommodate pre-kindergarten programs and to provide instructional space to replace classroom trailers; and/or

5) Replacement of Classroom Trailers

Construct, enhance, and modernize educational facilities to accommodate pre-kindergarten programs and to provide instructional space to replace classroom trailers; and/or

6) High Tech Security Features

Install high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls.

Smart Schools Investment Plan Process :

- District develops preliminary Smart Schools Investment Plan and is presented to the Board of Education.
- Plan is posted to the district website for a minimum of 30 days and notice is provided to the public regarding a hearing.
- Community feedback is provided.
- The district plan is finalized and approved by the Board of Education.
- The final plan is posted on the district website.
- District plan is submitted via the business portal.



Plainview-Old Bethpage SSIP

The Plainview-Old Bethpage Smart School Committee:

- Met on April 5, April 11 and June 9, 2016
- Included stakeholders from all segments of the school community including parents, teachers, students and other community members including leaders of the non-public school in the community.
- Agreed that our plan should focus on School Connectivity in order to install ubiquitous high-speed wireless connectivity in all district schools consistent with the District's Instructional Technology Plan.
- Preliminary Plan was accepted by Board of Education on June 20, 2016 and posted for public comment.

Plainview-Old Bethpage SSIP

The Overarching goal of the District's Technology Plan is to support student achievement by:

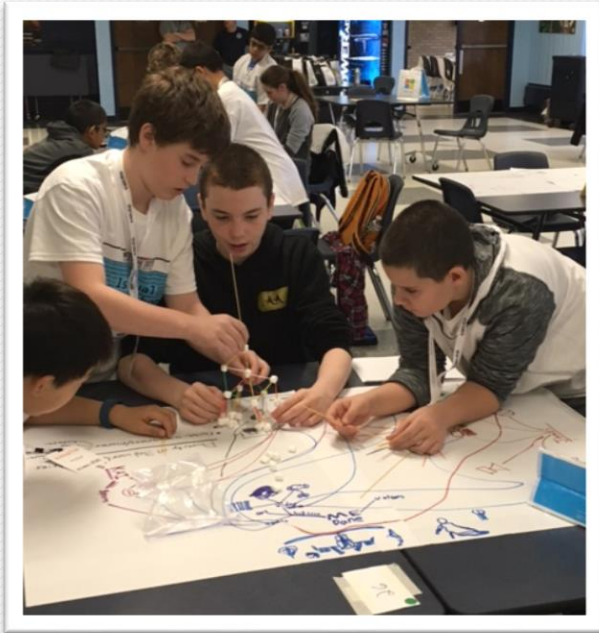
1. Ensuring equity of access to technology resources/tools throughout the district.
2. Ensuring the timely resolution of technical problems, the upgrading/scalability of all WiFi/LAN/WAN/Cloud network infrastructure and expansion of centralized network resources to enhance usability, security, disaster recovery, remote access, and sound maintenance staff protocols.
3. Focus in on the importance of professional development and the infusion of technology into all teaching and learning environments.
4. Engaging/informing all stakeholders through mediums of digital communication.
5. Developing transformational 21st century skills based STEAM-driven teaching and learning environments.
6. Ongoing development of strategic long-range technology planning to support the ever-evolving 21st century needs of students/staff/parents/community members.

Plainview-Old Bethpage SSIP

Using our Smart Schools allocation to support school connectivity, Plainview-Old Bethpage will be able to address items 1, 2, 4 and 5 of the goals list. The cost elements of this proposal were originally identified in our Technology Plan. Funding these cost elements through the Smart Schools allocation will relieve district residents of the local tax costs of implementing those aspects of the plan.

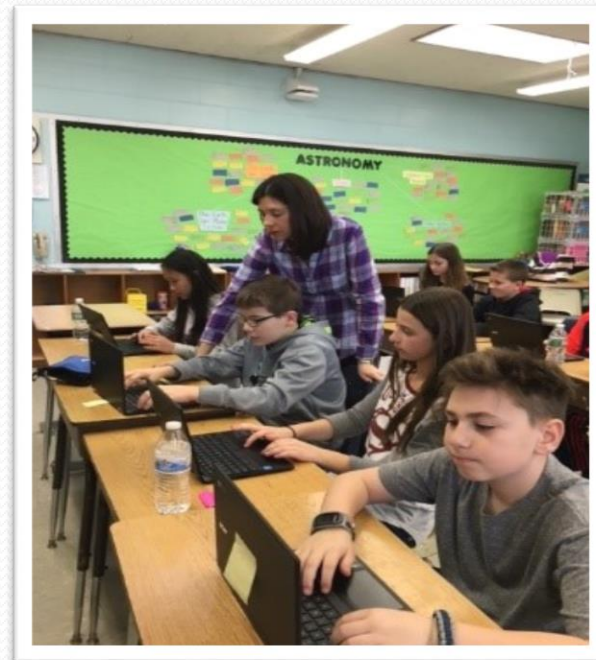
Plainview-Old Bethpage SSIP

Focus: School Connectivity



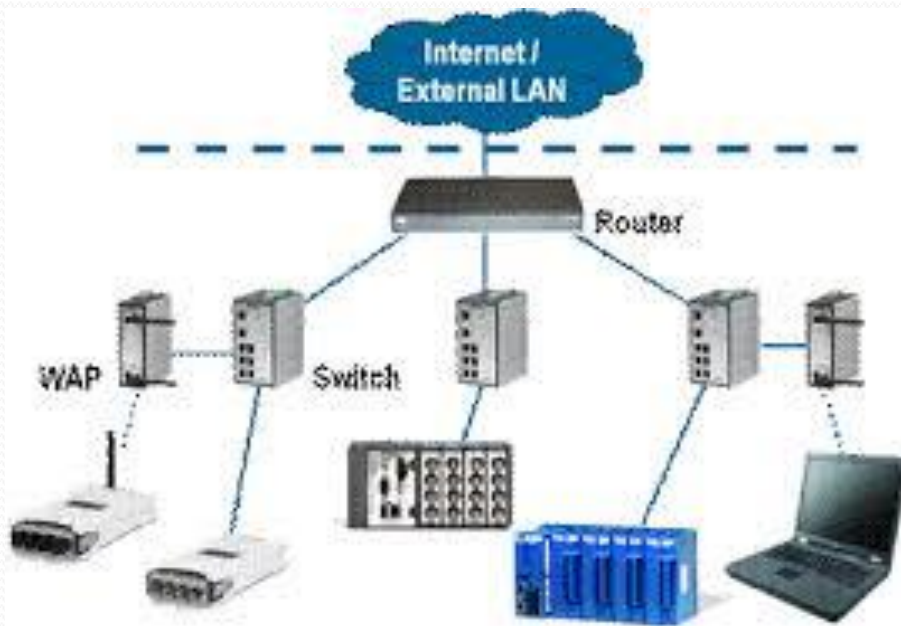
Plainview-Old Bethpage SSIP

Wireless Network



Plainview-Old Bethpage SSIP

Wired Network



POB's SSIP

POBJFK High School

REQUIRED	ACTION	COST	TARGET INSTALL	NYSED APPROVAL
Cabling: Enhanced WiFi Data Cabling to support 1 WAP per location	COMPLETED	COMPLETED	COMPLETED	Not Required
Hardware: Wireless Access Points 802.11ac	COMPLETED	COMPLETED	COMPLETED	Not Required
Hardware: Network Switches Required to support WiFi and network upgrade initiatives	Cost analysis completed	\$ 385,587	2016-2017 School Year	Required for Smart Schools Bond
Cabling: Wiring Closet Restructuring / Reconfiguration	Cost analysis completed	\$ 89,803 <i>(Includes all estimated material and labor costs)</i>	2016-2017 School Year	Required for Smart Schools Bond
Cabling: 50 Micron Fiber OM3	Cost analysis completed (includes IDF2-photo-lab)	\$ 43,225 <i>(Includes all estimated material and labor costs)</i>	2016-2017 School Year	Required for Smart Schools Bond
HIGH SCHOOL SUBTOTAL		\$ 518,615		

POB's SSIP

Middle Schools

REQUIRED	ACTION	COST	TARGET INSTALL	NYSED APPROVAL
Cabling: Enhanced WiFi Data Cabling to support 1 WAP per location	COMPLETED	COMPLETED	COMPLETED	NOT REQUIRED
Hardware: Wireless Access Points 802.11ac	COMPLETED	COMPLETED	COMPLETED	NOT REQUIRED
Hardware: Network Switches for WiFi Phase 1	COMPLETED	COMPLETED	MARCH 2016	NOT REQUIRED
Hardware: Network Switches for Phase 2 Replacement of Remaining Switches	Cost analysis completed	IN PROGRESS	2016-2017 School Year	NOT REQUIRED
Cabling: Wiring Closet Restructuring / Reconfiguration	Cost analysis completed	\$ 103,642 <i>(Includes all estimated material and labor costs)</i>	2016-2017 School Year	Required for Smart Schools Bond
Cabling: 50 Micron Fiber OM3	COMPLETED	COMPLETED	COMPLETED	NOT REQUIRED
MIDDLE SCHOOL SUBTOTAL		\$ 103,642		

POB's SSIP Elementary Schools

REQUIRED	ACTION	COST	TARGET INSTALL	NYSED APPROVAL
Cabling: Enhanced WiFi Data Cabling to support 1 WAP per location	Drawings submitted to BBS – Walkthroughs completed for data	\$ 131,688 <i>(Includes all estimated material and labor costs)</i>	2016-2017 School Year	Required for Smart Schools Bond
Hardware: Wireless Access Points 802.11ac and Network Switches required to upgrade building WiFi access in all locations	Cost analysis completed	\$ 675,968	2016-2017 School Year	Required for Smart Schools Bond
Cabling: Wiring Closet Restructuring / Reconfiguration	Cost analysis completed	\$ 126,660 <i>(Includes all estimated material and labor costs)</i>	2016-2017 School Year	Required for Smart Schools Bond
Cabling: 50 Micron Fiber OM3	Cost analysis completed	\$ 45,638 <i>(Includes estimated material and labor costs)</i>	2016-17 School Year	Required for Smart Schools Bond
ELEMENTARY SUBTOTAL		\$ 979,954		
DISTRICT-WIDE ENGINEERING LABOR COSTS		\$35,072		
<u>TOTAL ELEMENTARY, HIGH SCHOOL, MIDDLE SCHOOL ESTIMATED COSTS -</u>		<u>\$ 1,637,283</u>		

POB's SSIP

Expense Allocation

Total Project Cost = \$1,637,283

Funding Sources:

Smart Schools Allocation \$1,637,283

Remaining/Unrequested Funds: \$0



Smart Schools Investment Plan Process :

Next Steps

- The district plan is finalized and approved by the Board.
- The final plan is posted on the district website.
- District plan is submitted via the business portal.



POB's SSIP

Questions

Questions



POB Schools: A Smart Investment

Thank You

