



**SMART SCHOOLS BOND ACT OF
2014
SMART SCHOOLS INVESTMENT
PLAN
SCHOOL YEAR 2016-17**

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1. PLAN OVERVIEW

In January 2014, Governor Andrew M. Cuomo called for New York State to Invest \$2 billion dollars in its schools through a Smart Schools Bond Act (SSBA). Voters approved the Smart School Bond Act in November 2014, thus the Tuckahoe UFSD was allocated to receive \$222,837 dollars for instructional technology investments aligned with the Tuckahoe UFSD 2015-2018 Technology Plan, adopted by the District, and approved by the NYS Education Department in January 2016.

The Smart Schools Bond Act of 2014 provides funding for the following allowable expenditures:

- SCHOOL CONNECTIVITY
- CLASSROOM LEARNING TECHNOLOGY
- HIGH TECH SECURITY FEATURES

Working in collaboration with our Tuckahoe UFSD Technology Committee, BOCES-LHRIC support staff, and in consultation with School Building and District Administrators, Teachers, Students, Parents, and Community Members, we submit for our community and School Board review this Preliminary Smart Schools Investment Plan.

The Tuckahoe UFSD Smart Schools Investment Plan is designed to invest in the following projects districtwide:

- Provide for upgrades to our Tuckahoe UFSD Network Infrastructure, specifically a new server.
- Upgrade and replace SMARTBoards and/or charging/storage carts to existing classroom technology
- Upgrade the Tuckahoe UFSD Security network and provide for a new improved Voice over IP PA system as well as expand the video security system.

2. PRECONDITIONS

As a requirement to utilize Tuckahoe UFSD SSBA allocation, the District has ensured that there is adequate Internet bandwidth to further expand wireless connectivity for classrooms and school premises, bringing additional technology devices for classrooms and upgrade the Tuckahoe UFSD security network and cameras. Currently, our district has adequate Internet bandwidth more than 100 Mbps per 1,000 students to sustain the increase of more classroom devices.

In addition, 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 which outlines the Vision and Mission of the School District and instructional technology in the classroom in compliance with Section 753 of the Education and per Part 100.12 of the Commissioner's Regulations.

Districts that include Smart Schools Investment Plans 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 (NYSED). To this purpose, the Tuckahoe UFSD already submitted its required Instructional Technology Plan survey to NYSED and was approved accordingly.

3 PLAN GOALS

The Tuckahoe UFSD Smart Schools Investment Plan goals are aligned with the District's 2015-2018 Technology Plan that includes:

District Goals (Instructional Tech)

- 3.1 Allow for the creation of new tasks, previously inconceivable through technology integration.
- 3.2 Replacement of SMART Boards in our classrooms.
- 3.3 Enhance Security Features to ensure Tuckahoe Schools are a safe environment for teaching and learning.

Specifically, the District's Smart Schools Bond Act allocation will have a focus on investment in the following allowable expenditures:

- Upgrade the infrastructure with a new server with redundancies
- Purchase new Interactive Displays/Projectors/Whiteboards to replace aging boards.
- Upgrade the Security Systems currently being used in the MS and HS.

4. PURCHASE PLAN & ALLOCATIONS

Our Purchase Plan is detailed below following on the Smart Schools Bond Guidance provided by NYSED. Each category is in alignment with our approved three year 2015-2018 Technology Plan Survey approved by NYSED and will provide needed resources and infrastructure for classroom instruction with technology and 21st Century Learning.

SSBA CATEGORIES AND ALLOCATION

CATEGORY	SUB-ALLOCATIONS
School Connectivity	\$0
Connectivity Projects for Communities	\$0
Classroom Technology	\$176,684.79
Pre-Kindergarten Classrooms	\$0
Replace Transportable Classrooms	\$0
High-Tech Security Features	\$43,720
Totals:	\$220,404.79

Classroom Technology

CLASSROOM LEARNING TECHNOLOGY	SUB-ALLOCATIONS
Interactive Whiteboards	\$100,065
Computer Servers	\$76,619.79
Desktop Computers	\$0
Laptop Computers	\$0
Tablet Computers	\$0
Other Costs	\$0
Totals	\$176,684.79

To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible item under each-subcategory

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	65" 6065-V2 Series SMART Board interactive Flat Panel	15	\$6,671	\$100,065
Computer Servers	Dell Poweredge VRTX, 30.0 TB	1	\$32,891.33	\$32,891.33
Computer Servers	Install Dell VRTX/SAN VMWare and 4 servers	1	\$14,800	\$14,800
Computer Servers	Configure both wireless and closet switches to new active directory environment	1	\$3,885	\$3,885
Computer Servers	Build and implement new scripts	1	\$9,065	\$9,065
Desktop Computers				\$0
Laptop Computers				\$0
Tablet Computers				\$0
Other Costs	Dell Smart UPS X 3000VA RT 100-127v, LCD with Network Card	1	\$15,299.99	\$15,299.99
Other Costs	External Battery	1	\$678.47	\$678.47
Totals				\$176,684.79

High Tech Security Features

HIGH TECH SECURITY FEATURES	SUB-ALLOCATIONS
Capital-Intensive Security Project (Standard Review)	\$0
Main Entrance Electronic Security System (Streamlined Review)	\$0
Main Entrance Entry Control System (Streamlined Review)	\$0
Approved Door Hardening Project (Streamlined Review)	\$0
Other Costs	\$43,720
Totals	\$43,720

To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible item under each-subcategory

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Capital-Intensive Security Project (Standard Review)				\$0
Main Entrance Electronic Security System (Streamlined Review)				\$0
Main Entrance Entry Control System (Streamlined Review)				\$0
Approved Door Hardening Project (Streamlined Review)				\$0
Other Costs	HIK Vision Security Cameras	14	\$377	\$5,278
Other Costs	Shore Tel SG50 Appliance	1	\$1,415	\$1,415
Other Costs	Shore Tel Rack Mount Tray for SG50 Appliance	1	\$100	\$100
Other Costs	Patch Panel Break-Out Kits for SG50	1	\$190	\$190

Other Costs	Shore Phone IP 420 2-Button Display Speakerphone	54	\$135	\$7,290
Other Costs	Cat-5E Patch Cables	55	\$2	\$110
Other Costs	Shipping	1	\$275	\$275
	Labor and Programming for Shore Tel Installation	1	\$12,576	\$12,576
Other Costs	Labor for server migrations and software upgrades	1	\$2,996	\$2,996
Other Costs	Recorder and POE	1	\$1,640	\$1,640
Other Costs	Labor for HIK Vision Cameras and Recorder	1	\$7,100	\$7,100
Other Costs	Panic buttons	5	\$175	\$875
Other Costs	Bosch 8 point expander	1	\$375	\$375
Other Costs	Programming of Panic Buttons	1	\$3,500	\$3,500
Totals				\$43,720

5. PROFESSIONAL DEVELOPMENT

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 and district educational goals, New York State standards and Common Core Standards implementation, as well as to model collaborative inquiry-based learning and to guide staff toward incorporating the global infrastructure of technology in instruction and productivity.

The Smart Schools Bond Act does not provide allocations for Professional Development. However, The Tuckahoe UFSD will continue providing resources and funding based on its approved budgets to support and promote activities for technology and professional development for staff, teachers and administrators.

The technology professional development goals are listed below (SAMPLE) from the NYSED approved 2015-2018 Tuckahoe UFSD District Technology Plan:

- 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. Including online courses, streaming video and online tutorials that allow teachers and staff to have access to training that can take place "anytime, anywhere".
- Provide on-going technology staff development for Administrators, Supervisors and Support Staff in data, productivity and communications.

6. SUSTAINABILITY

The Tuckahoe UFSD supports a technology network of over 1200 users. We currently use multiple financial instruments to sustain our investment in Instructional Technology such as:

- BOCES Purchase Agreements (IPA),
- District Technology Department yearly budget allocations,
- E-Rate funding,
- Any grant funding available.

The District is committed to provide a replacement program to address the upgrade and needs for new devices purchased with the Smart Schools Bond Act funding. Our replacement plan considers a staggered schedule for replacement based on our inventory and age of equipment in a cycle of every 5 years as a maximum. Every (5) years the devices will be replaced and/or reallocated to ensure the equipment stays current and new technology is supported.

7. PROVISIONS AND DISTRIBUTION TIMELINE

Once equipment arrives the Technology Department Staff will prioritize inventory and provision of the equipment in accordance with our multi-year plan. Based on proposed quantities, equipment should be in place and operational within 60-90 days after it arrives.

The district will include the new equipment in its existing inventory database and monitor it to ensure equipment is securely maintained in its designated locations. The District's asset insurance database will be updated to reflect the additional equipment as well and provide for coverage.

Approved by the Board of Education

A handwritten signature in black ink, consisting of a large, stylized 'P' followed by a vertical line and a flourish.

President of the Board of Education

3/16/17

Date