

Deer Park Union Free School District
NEW YORK STATE SMART SCHOOLS BOND ACT
PRELIMINARY INVESTMENT PLAN

PUBLIC HEARING ON SMART SCHOOLS BOND FUNDING

There will be a Public Hearing on Smart Schools Bond Act Fund on January 12, 2016, 7:30 PM at: District Office
1881 Deer Park Ave, Deer Park, NY

If our Deer Park Community would like to submit written feedback on the Deer Park NYS Smart Schools Bond Act
Preliminary Proposed Plan, please email:

DPDistrictsmartbond@deerparkschools.org

To learn more about the Smart Bond Act FAQs and Guidelines go to:

NYSED SSBA FAQs 07/16/15

<http://www.p12.nysed.gov/mgtserv/documents/FAQsforSmartSchoolsBondAct.pdf>

NYSED SSBA FAQs 10/27/15

<http://www.p12.nysed.gov/mgtserv/documents/SSBAQuestionsASBO102615edited102815AL.pdf>

NYSED SSBA Guidelines

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

NYSED SSBA Website

<http://www.p12.nysed.gov/facplan/SmartSchoolsBondAct.htm>

December 15, 2015

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PLAN OVERVIEW

In January 2014, Governor Andrew M. Cuomo called for New York State to invest \$2 billion in its schools through a Smart Schools Bond Act (SSBA). Voters approved the Smart School Bond Act in November 2014 and as a result the Deer Park School District was allocated to receive \$2,636,151. Aligned with the Deer Park School District Technology Plan, adopted by the District, the Deer Park School District Smart Schools Investment Plan is designed to:

- Upgrade the security network and cameras
- Upgrade network infrastructure
- Upgrade the wireless equipment in place

Working with the Deer Park Districtwide Technology Committee, and aligned with the Technology Plan this investment plan has been drafted to focus this allocation on the Smart Schools Bond Act allowable expenditures that include:

- School Connectivity
- High-Tech Security Features

PRECONDITIONS

As a precondition to utilizing the SSBA allocations, the District has ensured that there is adequate Internet bandwidth to further expand wireless connectivity for classrooms, additional technology devices for classrooms and upgrading the Deer Park School District security network and cameras. There is adequate Internet bandwidth in excess of 500 Mbps to sustain the increase of classroom devices.

Deer Park School District has managed fiber between buildings on the schools district's private network which provides up to 10 Gigabit of interconnectivity. Currently Deer Park has 1 Gigabit between sites for district interconnectivity but with the proposed SSBA allocations for upgrades to the Deer Park School District network infrastructure this will increase to 10 Gigabit between schools. In addition to increasing the speed between buildings Deer Park Schools will be adding an additional ISP to balance the network traffic amongst all the buildings.

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 (NYSED). The Deer Park School District submitted their required Instructional Technology Plan survey to NYSED in August 2015 and was approved in September 2015.

PLAN GOALS

The Deer Park School District Smart Schools Investment Plan goals align with the District's Technology Plan that includes:

- Embedding technology into the delivery of instruction and continuing to provide equitable access to technology tools to prepare all learners to be college and career ready.
- Continuing to provide technical support, infrastructure upgrades, and network maintenance for all users of the network.
- Continuing the District's Universal Design initiative to empower all students, teachers, and administrators with equity of access to technology.
- Continuing to develop and integrate K-12 students' technical competencies and learning strategies that seamlessly integrate International Society for Technology in Education (ISTE) Technology Strategies, National Common Core Standards for K-12 and College and Career Readiness.
- Maximizing college and career readiness skills through multimedia tools and online learning environments.
- Systemically support on-going technology and assistive technology training and development for teachers, staff, administrators and parents to encourage consistency, collaboration, and innovation throughout the District to support teaching and learning.
- Continuing to implement ISTE Administrator and Teacher Technology Standards practices to ensure that curriculum, instructional strategies, and the learning environments integrate appropriate technologies.

Specifically, the District's Smart Schools Bond Act allocation will focus on:

- Expanding Deer Park School District network Infrastructure to upgrade connectivity and speeds (Bandwidth) between Deer Park School District schools out to the Internet.
- Expand current Wi-Fi infrastructure for Wi-Fi access points for all classrooms in grades PK-12.
- Upgrade security network, security cameras, and door entrance systems.

PURCHASE PLAN & ALLOCATIONS

The Deer Park School District supports a technology network of over 7,000 users. Under current allocations of resources for technology equipment, that includes; BOCES Purchase Agreements, District Technology Department yearly budget allocations, eRate funding, and any grant funding available, we are fiscally unable to move as rapidly as we would like to equip all schools with wireless technology. In addition, we would like to increase the speed of the Internet bandwidth between our schools from 1 Gigabyte to 10 Gigabytes and upgrade an aging security network and cameras with SSBA allocations. In alignment with the approved District Technology Plan, the District plans to utilize SSBA allocations as described below in Table 1 for the SSBA allowable expenditure Budget Category areas.

TABLE 1: SSBA Allowable Expenditure Summary of \$2,636,151 by Budget Category

SSBA Budget Category	Allocations
School Connectivity	
Upgrade Network Infrastructure	
Expand Wireless Access	
Additional ISP	1,899,648.65
High-Tech Security Features	
Visitor management System	
Door ajar system	
Bullet Resistant glass for JFK and HS cafeteria	
One button emergency notification and paging system	736,502.35
TOTALS	2,636,151.00

- **Upgrade Network/Access Costs** Expand network Infrastructure at all Deer Park School District 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 schools out to the Internet from 1 Gigabit to 10 Gigabit capacities. An additional ISP will allow load balancing on the network which will assist in student and faculty use of the network.

- **Expand Deer Park School District School Internal Connections and Components**
 With SSBA allocations, refer to Table 2, we will be expanding our wireless components at all schools including Wireless Access Points (WAPS) for classrooms, instructional, and common areas.

TABLE 2: SSBA Sub-Allocation Category: School Connectivity

	Sub-Allocation
Network/Access Costs	1,162,248.65
Outside Plant Costs	0
School Internal Connections and Components	0
Professional Services	197,700.00
Testing	0
Other Upfront Costs	0
Other Costs	539,700.00
TOTALS	1,899,648.65

Our District currently has a security network and cameras that needs to be upgraded.

We intend to use Smart Schools Bond Act allocation in the High-Tech Security Features category as indicated in Table 3 to:

- Upgrade of the server infrastructure along with the access equipment at doors. Existing electronic door hardware would be reused.
- Create a door ajar system in each building.
- Upgrade (useable storage) servers with 250 Mbps of throughput, (3) - 10TB (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.
- Upgrade the security network with bullet resistant glass in the high school and JFK buildings around the cafeteria.
- Unified system for PA, phones, desktops and cellular devices for emergency notification and announcements.

TABLE 3: SSBA Allocation Category: High-Tech Security Features

	Sub-Allocation
Glass Strengthening Film Project (Streamlined Review)	30,057.00
Main Entrance Electronics Security System (Streamlined Review)	115,126.49
Main Entrance Entry Control System (Streamlined Review)	31,918.44
One button emergency notification and paging system (Streamline Reviewed)	559,400.42
Other Costs	
TOTALS	736,502.35

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. Deer Park School District 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 effectively promote student achievement, teaching and learning.

THE TECHNOLOGY PROFESSIONAL DEVELOPMENT GOALS BELOW ARE FROM THE DEER PARK SCHOOL DISTRICT TECHNOLOGY PLAN:

As required by the New York State Education Department, the Deer Park School District has a professional development plan in place to improve the quality of teaching and learning by ensuring that teachers participate in substantial professional and technological development. We want to ensure that teachers remain current with their profession and meet the learning needs of their students. In addition, the same professional development in technology is offered to support staff and teacher assistants. The use and integration of technology by teachers and administrators is included in the professional development plan.

Ongoing sustained professional development for district staff members in technology, includes an “instructional technology strand” to ensure that staff can use and integrate technologies to improve instruction, student achievement and student services.

The district’s professional and technological requirements and/or activities include:

- On-site conference days (including classes and workshops)
- Off-site conference days (including classes and workshops)
- Mentoring opportunities
- In-service classes (facilitated by the district’s teachers)
- Ongoing on-site support
- Participation in the Model Classroom or Teacher Leader Program

The catalog of activities offered by our local regional information centers (BOCES) are tracked in My Learning Plan and are available in the links below:

- Nassau BOCES: <https://www.mylearningplan.com/webreg/catalog.asp?d=10056&h=1>
- Western Suffolk BOCES: <https://www.mylearningplan.com/webreg/catalog.asp?d=13208&h=1>
- Eastern Suffolk BOCES: <https://www.mylearningplan.com/webreg/catalog.asp?d=10057&h=1>
- Central Westchester Teacher Institute: <https://www.mylearningplan.com/webreg/catalog.asp?d=13687&h=1>

The district’s Personnel Office tracks all the required hours (175 hours over a 5 year period) that new teachers with a professional certificate must complete in order to keep their certification active. The district’s Business Office uses Microsoft Excel to track all of the required hours (75 hours over a 3 year period) that teacher assistants with a Level 3 Certification must complete in order to keep their certification active.

The Deer Park School District has adopted, adapted and aligned with the International Society for Technology in Education's (ISTE) and National Educational Technology Standards (NETS) for students, teachers and administrators. The performance indicators for the NETS are the benchmarks for assessment of staff knowledge and skill.

The District is committed to working the upgraded and new devices purchased through the Smart Schools Bond Act into the equipment replacement cycle already in place. Each year, over the next 4 years, an allotment of funding will be budgeted for the normal repair costs of a percentage of the total devices. After (4) years the devices will be replaced and/or reallocated in order to ensure the equipment stays current and new technology is supported.

PROVISIONS AND DISTRIBUTION TIMELINE

Once the Deer Park School District Smart Schools Bond Act Investment Plan is approved by the state, equipment will be purchased in accord with the District’s purchasing policies and budget cycles within the next five years. Once equipment arrives the Technology Department Staff will prioritize will 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. Projects are prioritized in the below order:

- Upgrade the Deer Park School District network infrastructure
- Upgrade the Deer Park School District security network and cameras
- Upgrade the Deer Park School District wireless equipment in place

The district will include this 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.

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