

# LEVITTOWN PUBLIC SCHOOLS



150 Abbey Lane  
Levittown, NY 11756

## **NYS SMART SCHOOLS BOND ACT SMART SCHOOLS INVESTMENT PLAN 2015-2018**

The Smart Schools Bond Act of 2014 was passed in the 2014-15 Enacted NYS Budget and approved by the voters in a statewide referendum held during the 2014 General Election. The Smart Schools Bond Act authorized the issuance of \$2 billion of general obligation bonds to finance improved educational technology and infrastructure to improve learning and opportunity for students throughout NY State. Levittown Public Schools was allocated **\$4,969,070**.

The following investment plan was developed to align with the District’s goals and technological needs in the coming years. Areas of focus for the District fall under the Smart Schools Bond Act categories of Classroom Learning Technologies and School Connectivity.

In accordance with the Smart Schools Bond Act non-public schools loan requirement, any classroom learning technologies purchased with the funds must be lent, upon request, to non-public schools within the District’s boundaries. Such requests must be received by August 31<sup>st</sup>; non-public schools will be notified in writing of the deadline.

Please direct any feedback on the plan to [survey@levittownschoools.com](mailto:survey@levittownschoools.com)

More information about the Smart Schools Bond Act can be found on the NYSED website: <http://www.p12.nysed.gov/facplan/SmartSchoolsBondAct.htm>

**PLAN SUMMARY**

<b>Description</b>	<b>Cost</b>
Tablets & Cases for 1:1 2016-2017	\$250,250
Tablets & Cases for 1:1 2017-2018	\$250,250
Tablets & Cases for 1:1 2018-2019	\$250,250
Laptop Carts for Computer Based Testing (CBT)	\$344,832
Laptops (non-public school)	\$2,408
Firewall	\$60,569
Network 10Gb upgrade & Cart based Wifi AP’s	\$226,363
<b>Total</b>	<b>\$1,384,922</b>
<b>Total District Allocation</b>	<b>\$4,969,070</b>
<b>Total Remaining Funds</b>	<b>\$3,584,148</b>

## PLAN DETAILS

### CATEGORY: CLASSROOM LEARNING TECHNOLOGY

**Tablet Computers**  
**School Year: Annual**

Description	Qty	Cost	Total
Asus T100TA-C2-EDU	650*	\$360**	\$234,000
Protective Case	650*	\$25**	\$16,250
<b>Total (PER YEAR)</b>			<b>\$250,250</b>
<b>TOTAL 3 YEARS</b>			<b>\$750,750</b>
<b>*Based on student enrollment (includes non-public)</b>			
<b>**Based on currently available model, subject to change based on availability</b>			

Levittown Public Schools understands the expanding role of technology as a vehicle to improve student learning in school and at home. Today's technology provides greater opportunities for students to learn using digital resources. Furthermore technology can foster creativity and allow for more effective communication and collaboration. To take advantage of these opportunities the District is committed to continuing its One-to-One initiative wherein ninth grade students are assigned a digital tablet for use in school and at home.

The District went through a selection process before choosing the ASUS T100. The characteristics that played an important role in the decision of the ASUS T100 included: flexibility, cost, familiarity of operating system, device management and battery life. This tablet was also selected for use by one of the non-public schools within the District.

Additionally, the District selected a device that would prepare students for college and career readiness. The Windows platform provides the flexibility to support all digital resources in use in our District and features the Office 365 productivity suite. This flexibility allows students to work on class projects outside of school regardless of what digital devices are available at home. One of the non-public schools in the District also selected this device for classroom usage.



**Laptop Computer Carts**  
**School Year: 2017-2018**

<b>Description</b>	<b>Qty</b>	<b>Cost</b>	<b>Total</b>
Dell Latitude 5450	392*	\$821**	\$321,832
Cart	14	\$1,500	\$21,000
Headphones/Microphones (accommodations)	100	\$20	\$2,000
<b>TOTAL</b>			<b>\$344,832</b>
<b>*Based on enrollment and testing window</b>			
<b>**Based on currently available model, subject to change based on availability</b>			

NYSED is transitioning to computer based testing (CBT, formerly known as PARCC) for State Assessments in grades 3-8. By the year 2020 it is anticipated that all assessments will be computer based. In preparation for this transition Levittown Public Schools will be upgrading the network infrastructure to be able handle the additional bandwidth during testing times. In addition to these upgrades more computer resources will be needed to accommodate all students taking the assessments within the assigned testing window. While no details of the testing window or number of testing sessions required exist at this time, estimates were made based on the former PARCC guidelines and other online assessments such as NWEA.

Laptop computers were selected for the following reasons; in order to best meet the technical device requirements (keyboard, screen size, device management/lockdown), classroom space (cart vs. full desktop computing lab), mobile flexibility (move to any classroom), robustness vs. tablet and seamless integration into existing computer environment/infrastructure. Throughout the remainder of the year during times of non-testing the laptops can also be used to support the curriculum adding additional value to their acquisition. In order to ensure the laptops will be in peak working condition and exceed future technical requirements they will be purchased just prior to when they are needed.



**Laptop Computers**  
**School Year: 2016-2017**

<b>Description</b>	<b>Qty</b>	<b>Cost</b>	<b>Total</b>
Dell Inspiron 15 5000 Series	4	\$602	\$2,408
		<b>TOTAL</b>	<b>\$2,408</b>

This laptop computer model was selected by one of the non-public schools within our District. It comes equipped with Windows 10 Professional, adequate memory and storage, wifi, a large screen and full size keyboard. They are the same model currently utilized by the school for classroom instruction.

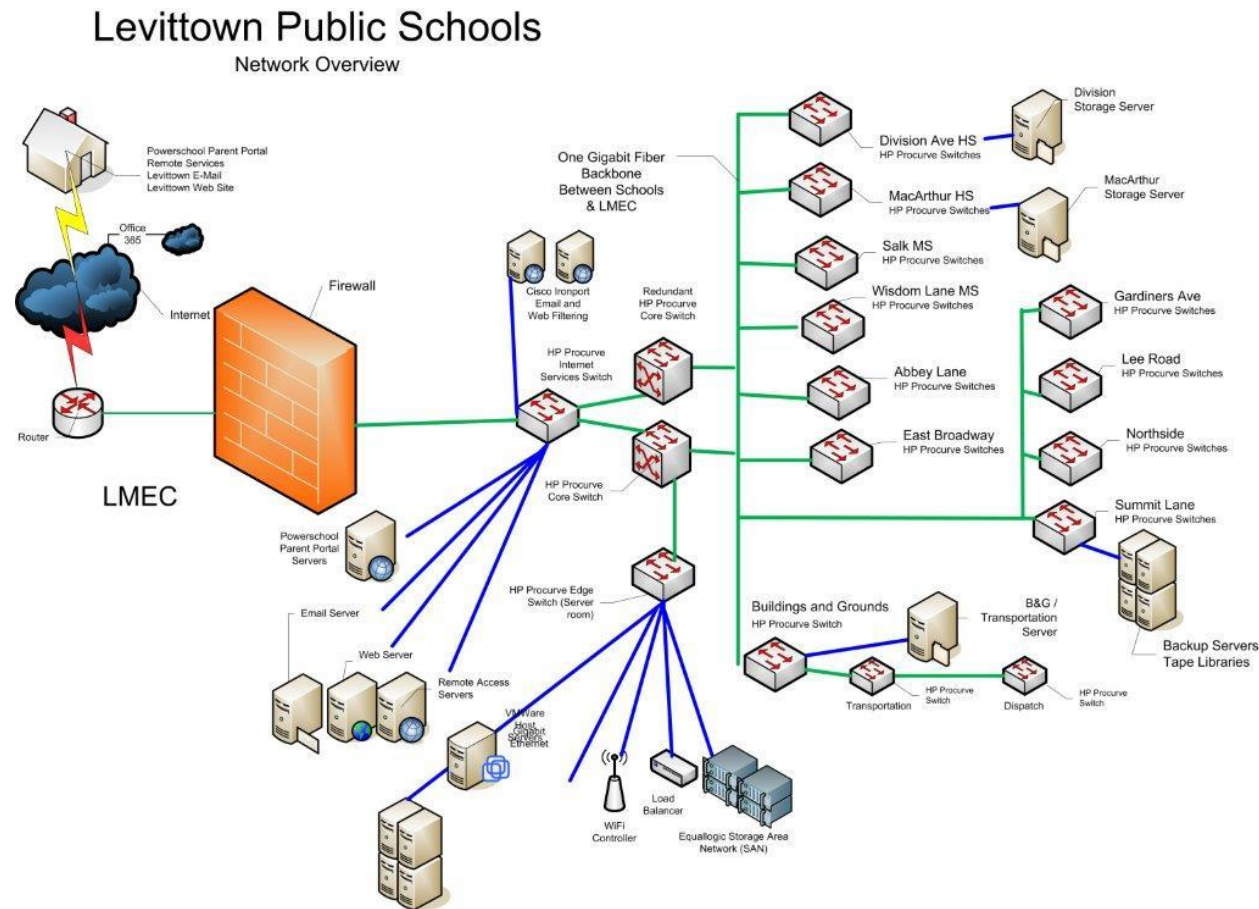


**CATEGORY: SCHOOL CONNECTVITY**

**Network Firewall  
School Year: 2016-2017**

Description	Qty	Cost	Total
Firewall Replacement	1	\$60,569*	\$60,569
<b>TOTAL</b>			<b>\$60,569</b>
<b>*Based on currently available model, subject to change based on availability</b>			

The firewall is a key piece of the network infrastructure that protects the data and resources on the internal network from unauthorized access, intrusions, and viruses/worms. It acts as a barrier between a trusted network and an un-trusted network. Levittown Public Schools currently has a firewall that has been deemed End of Life (EOL) by the manufacturer. When a product is EOL-ed it is no longer supported by the manufacturer for technical issues, security updates/patches, and parts. Because of its critical role in network operations and security it will need to be replaced with a newer supported model.



**LAN/WAN 10 Gb Network Infrastructure Upgrade & Cart based Wifi AP's**  
**School Year: 2016-2017**

Description	Qty	Cost	Total
HP ProCurve 2-Port SFP+/ 2-Port CX4 10GbE yl Module (LAN)	18	\$1,300	\$23,400
HP 20-port Gig-T PoE+ / 2-port 10GbE SFP+ v2 zl Module (16 LAN/ 2WAN)	18	\$2,795	\$50,310
HP X132 10G SFP+ LC LRM Transceiver (LAN)	81	\$589	\$47,709
HP 8-port 10-GbE SFP+ v2 zl Module (WAN)	7	\$3,120	\$21,840
HP 5400R 1100W PoE+ zl2 Power Supply (WAN)	4	\$799	\$3,196
HP 5406R 44GT PoE+ / 4SFP+ v3 zl2 Swch (WAN)	2	\$4,920	\$9,840
HP X132 10G SFP+ LC LR Transceiver (WAN)	16	\$1,814	\$29,024
HP Startup ProCurve Chassis 53/5400 8212 (18 LAN 18 / 8 WAN)	26	\$1,279	\$33,254
Wireless Access Points- Aruba (Classroom Carts, where applicable)	10	\$779	\$7,790
<b>TOTAL</b>			<b>\$226,363</b>

The network switching infrastructure throughout the District is a current model (purchased 2012) and can be upgraded to meet the anticipated needs of the District over the next several years. The additional bandwidth required for the One-to-One initiative, increased subscription to online softwares (Journeys, Math IXL, Big Ideas Math, eSpark, etc.), rich multimedia content (high-def videos) and the future Computer Based Testing (CBT) will require a high speed “back-end” infrastructure. Currently network switches connect over fiber-optic cables between buildings at a speed of 1 gigabit per second (gbps). Additionally network switches within a building (wiring closet to wiring closet) connect at a speed of 1 gbps. Upgrading to 10 gbps will allow 10 times more bandwidth through the fiber connections thus increasing the speed at which resources can be accessed and content can be delivered. Wifi Access Points for the laptop carts listed in the Classroom Learning Technology category are also included, allowing the carts to be as flexible and mobile as possible.

