

Chittenango Central School District
Smart Schools Investment Plan (SSIP)

What is the Smart Schools Bond Act?

The Smart Schools Bond Act (SSBA) was passed by the New York State Legislature in the 2014-15 enacted budget and was approved by the voters via a statewide referendum during the 2014 General Election held on November 4, 2014. The results of this positive vote allowed the authorization to issue \$2 billion of general obligation bonds to finance school district improvements in the areas of education technology, infrastructure and security. For a complete description of the Smart Schools Bond Act, the implementation guide can be located at: http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

District Allocation

The Chittenango Central School District was awarded an allocation in the amount of \$1,653,971.00. The funds must be spent using school district dollars then seek reimbursement from New York State after the funds have been spent. Under the current guidance, there has been no time limit placed on purchases to be reimbursed as well as no requirement to spend all of the funds at one time.

District Overview of the SSIP

The district's approach to the utilization of the allocation will include the following areas:

- School connectivity

Over the course of the last several years, the district has made numerous enhancements to our overall infrastructure which includes new wiring, network switches, wireless access points and virtualizing numerous servers. We currently have about 75% wireless coverage blending newer access points with second generation access points that will need to be replaced. It is our goal that by March 2017 we will increase our bandwidth via OCM BOCES to 200/200 Mbp, which will be in compliance with the Federal Communications Commission (FCC) minimum standard speed of 100 Mbps per 1,000 students. The cost associated with the increase in our bandwidth to meet this requirement will be supported in our general fund operating budget via OCM BOCES.

To support the increased size and use of bandwidth and mobile devices, the district will need to upgrade/replace all network switches to accommodate a complete poe backbone.

The plan calls for upgrading older access points and to achieve 100% wireless coverage for all instructional areas by March 2017.

- Instructional Technology to Enhance Learning and Teaching
 - The district has begun the process of deploying 1:1 mobile devices for grades K, 4, 6 and 7 as well as creating mobile devices “pods” in grades 1, 2, 3 and 8. As part of our enhanced learning process, our ultimate goal will be to provide 1:1 mobile devices for grades 2-12 and a 2:1 mobile device allocation for grades K-1. The goal of the district is to provide the student with diversity and versatility in learning by leveraging technology. To accomplish this, the process will be to provide iPad devices in grades K-8 with the implementation of chrome book carts for diversity and versatility and then provide chrome books in a 1:1 environment for grades 9-12 while having iPad carts available in the high school learning environment.
 - We currently have 296 iPads that are greater than 4 years of age, 300 desktop computers in excess of 5 years of age and approximately 74 laptops in excess of 4 years of age. Our plan calls for the replacement of all devices in excess of 5 years of age over a three (3) year period.
 - The backbone or storage devices for our data and student accounts will need to be upgraded with a RAID 5E SAN (Storage Area Network) configuration.

- High Tech Security

The Chittenango Central School District has made major strides in upgrading all levels of security features in our last two capital projects. As part of that process, the district had the foresight to build an infrastructure to support additional cameras within the district’s instructional buildings. The safety of our students and staff are a top priority of the Board of Education and we plan to install additional security cameras throughout the district to have complete coverage of both internal and external areas of our campuses.

Preliminary Smart School Investment Plan Expenditures

Wireless Access Points.....	\$ 165,514
POE Network Switches.....	291,644
Laptop Replacements.....	50,000
Desktop Replacements.....	225,000
iPads/Chrome books.....	185,000
Servers/Storage Devices.....	55,706
Security Cameras.....	25,000
 Initial Phase Expenditures	 \$ 998,864
Future Phases for Replacement Cycles	\$ 655,107

District Timeline

- March 2, 2016 – Review of plan with district administrative team.
- March 5, 2016 – Preliminary Smart Schools Investment Plan posted on district website for public comment.
- March 15, 2016 – Preliminary Smart Schools Investment Plan approved by the Board of Education.
- April 12, 2016 – Public hearing at the Board of Education meeting to present/discuss the Preliminary Smart Schools Investment Plan. Final SSIP approved by the Board of Education.
- April 15, 2016 – Smart School Investment Plan submitted to the State Education Department for approval.

Smart Schools Investment Plan – Amendment 1

The educational landscape has changed drastically over the course of the last 20 months with the onset on COVID-19. Our original amendment submission called for the purchase of approximately 150 HP chrome books and 48 interactive whiteboards. With the need to reach

AMENDMENTS – 2021

Since march of 2020, the educational landscape has changed drastically. The district's plan called for continuing with HP chrome books for high school students and outfitting a number of classrooms with interactive white boards. With the onset of COVID-19 and initially switching to remote learning, the district had to change gears and implement iPads bases on a 1:1 distribution model for all students, this allowed the ability to monitor and implement filtering in a remote learning environment, as well as eliminating the need for interactive boards. Instructional staff provided feedback that the best and most efficient use of funds would be iPads, additional MacBook airs and apple tv's.

The resulting amendment called for reallocating spending \$285,274.50 on interactive whiteboards and chrome books and purchasing additional iPads with keyboards (\$99,700), charge and store stations for iPads (\$62,944), apple tv's and projectors (\$30,652), and Macbook airs (\$91,962). This reallocation allows the district to meet the needs of our students in a challenging learning environment.

Written comments regarding this plan should be submitted to:

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