

Preliminary Smart Schools Investment Plan Phase I 2015-16

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>

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Source: NYSED Smart Schools Bond Act Guidance:

http://www.p12.nysed.gov/mgtserv/documents/SmartSchoolsBondActGuidance_AL12.23.15.pdf

I. 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 Carmel Central School District was allocated to receive \$2,434,123. In alignment with the goals in the Carmel Central School District 2015-2018 Instructional Technology Plan, approved by NYSED. Our Preliminary Smart Schools Investment Plan will use the SSBA funding allocation in phases with the initial focus on providing Instructional devices and classroom learning technology

In collaboration with the Carmel CSD Leadership and in consultation with groups of District Administrators, Teachers, Students, Parents, Community Members, Nonpublic School Representatives located within the Carmel Central School District geographic boundaries, our technology committee worked in alignment with goals established in the Carmel CSD 2015-2018 Instructional Technology Plan and within the three year windows established our SSBA Investment Plan will describe the investment of the funding from the Smart Schools Bond Act via the following allowable expenditures in Classroom Learning Technology.

II. TECHNOLOGY INFRASTRUCTURE PRECONDITIONS

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 Carmel Central School District submitted their required Instructional Technology Plan Survey to NYSED in October 2015 and was approved on December 2015.

As established by the Smart Schools Bond Act Guidance a precondition to utilizing the SSBA funds requires that the District must ensure adequate Internet bandwidth to further expand wireless connectivity for classrooms and additional technology devices for classrooms. The minimum adequate Internet bandwidth is 100Mbps per 1,000 students to support the inclusion of additional learning technology devices for the classroom. Carmel CSD has a managed fiber system between buildings in our school district's private network which provides capabilities of up to 10 Gigabit of interconnectivity. However, our connectivity within school buildings is running at 10/100/1000 Mbps. Our district using local budget funding is currently completing upgrades to our individual school building infrastructure from 10/100/1000Mbps to 10 Gbps interconnectivity between wiring closets.

III. SMART SCHOOLS INVESTMENT PLAN GOALS

Our vision and goals for instructional technology align with our district mission statement. We aim to provide opportunities for our students to learn and succeed in a secure and safe student-centered environment to prepare them for success in a rapidly changing world. Technology is an important tool in meeting this goal when the technology is integrated with district-wide curriculum objectives and the New York State and Common Core Learning Standards.

Today's technology provides the opportunity for active learning in classrooms where students collaborate on tasks together, call upon expert advice from people outside of the classroom, and communicate their own knowledge to outsiders as well, through avenues such as websites, blogs, video streaming, social media and more.

The following goals will help us attain our vision for the technology rich student-centered learning environment:

- Increase the number of devices available to students to lower the ratio of device to student
- Provide a variety of software tools and web based applications that are aligned with district and state learning outcomes and standards
- Provide focused and continuous professional development for teachers to develop technological proficiency
- Provide professional development and curriculum planning time for teacher to design/redesign instructional plans
- Integrate digital citizenship and digital literacy into all technology professional development

IV. PURCHASE PLAN & ALLOCATION OF FUNDS

SSBA CATEGORIES AND ALLOCATION

CATEGORY	SUB-ALLOCATIONS
School Connectivity	\$0.00
Connectivity Projects for Communities	\$0.00
Classroom Technology	\$921,387.70
Pre-Kindergarten Classrooms	\$0.00
Replace Transportable Classrooms	\$0.00
High-Tech Security Features	\$384,799.87
Totals:	\$1,306,187.57

Classroom Learning Technology Allocation

CLASSROOM LEARNING TECHNOLOGY	SUB-ALLOCATIONS
Interactive Whiteboards	\$21,351.20
Computer Servers	\$43,725.45
Desktop Computers	\$371,220.00
Laptop Computers	\$385,800.00
Tablet Computers	\$0
Other Costs	\$84,525.62
Totals	\$921,387.70

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	Smart Board M-600 Series 77"	20	\$1,067.56	\$21,351.20
Computer Servers	Dell PowerEdge R730	5	\$8,745.09	\$43,725.45
Computer Servers	Dell PowerEdge R730	1	\$14,765.43	\$14,765.43
Desktop Computers	Dell OptiPlex 7020	538	\$690.00	\$371,220.00
Laptop Computers	Dell Latitude E750	150	\$992.00	\$148,800.00
Laptop Computers	ThinkPad	395	\$600.00	\$237,000.00
Tablet Computers				\$0.00
Other Costs	Bedford Charging Carts 30unit	12	\$1,931.00	\$23,172.00
Other Costs	Epson Projectors	20	\$995.00	\$19,900.00
Other Costs	Dell Projectors 1510X	30	\$576.00	\$17,280.00
Other Costs	UPS Tripp lite 3000VA	2	\$999.00	\$1,998.00
Other Costs	Dell Precision Workstation T3620	4	\$1,407.39	\$5,629.56
Other Costs	Epilog Zing Laser Engraver	1	\$9,019.06	\$9,019.06
Other Costs	BOFA AD Fume extractor	1	\$3,382.00	\$3,382.00
Other Costs	Roland 36" Vinyl Cutter	1	\$4,145.00	\$4,145.00
TOTAL				\$921,387.70

High Tech Security Features

HIGH TECH SECURITY FEATURES	SUB-ALLOCATIONS
Capital-Intensive Security Project (Standard Review)	\$0
Main Entrance Electronic Security System (Streamlined Review)	\$384,799.87
Main Entrance Entry Control System (Streamlined Review)	\$0
Approved Door Hardening Project (Streamlined Review)	\$0
Other Costs	\$0
Totals	\$384,799.87

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)	CAMERAS (in alignment with Provisions by NYS SAFE ACT)	153	\$2,515.03	\$384,799.87
Main Entrance Entry Control System (Streamlined Review)				\$0
Approved Door Hardening Project (Streamlined Review)				\$0
Other Costs				\$0
Totals				\$384,799.87

V. PROFESSIONAL DEVELOPMENT

The implementation of any new hardware must coincide with a comprehensive professional development plan that meets the needs of all district employees: administrators, teachers, and support staff. The goal shared by each of these groups is identical: the effective utilization of the tools that empower individuals to be most productive and efficient in performing their work. Each group has quite different needs in terms of what tools they need to employ and master, and how they use the tools to advance and

transform our system. The CCSD administered the Clarity Survey for each of the past two years to assist in determining the professional development needs for our professional staff (administrators, teachers, teaching assistants). In addition to the needs identified through the survey the CCSD is a member of Model Schools through the LHRIC and this year has identified a cohort of 9 Carmel High School Teachers to participate in the LHRIC's Model

Schools Cohort Plus program. We are offering Microsoft Office 365 training to all of our teaching, administrative and clerical staff throughout the year on Superintendent Conference days.

The PD planning committee in concert with the technology committee will monitor and survey staff on continued and emerging needs for professional development as well as working with the district on emerging technology being explored for possible implementation within the district.

VI. SUSTAINABILITY

The Carmel Central School District will continue its efforts to maintain and exceed the expectations of the school community regarding our investment in instructional technology. The Districts will rely in additional funding sources such as grants, cooperative purchase plans (IPA), BOCES Aid and others to support and sustain the technology infrastructure for instruction.

We will conduct ongoing evaluation and monitoring of the technology, life expectancy of devices and networks as well as support a periodic replacement programs for devices every 4-5 years in a staggered format as needed.

VII. INVESTMENT PLAN TIMELINE

Once the Smart Schools Review Board provides with final approval of our Preliminary Plan the district will engage in the purchases as outlined in it Smart Schools Investment Plan following on district procurement practices. After delivery of the equipment the expectation is to inventory all devices and ensure proper tagging and delivery to final location by school district technology staff. We will conduct internal audits to ensure equipment is in working condition and set up appropriately.

Non-Public schools have been informed of a timeline for request via the SSBA Loaning Program of devices allocated to them using the guidance from NYSED. The application process will run from June 1-30, 2016 for the first phase of the plan, it will include an application, assignment, and delivery process. It is our expectation to continue the following school year following the same schedule.