Smart Schools Investment Plan
Moving Towards a 1:1 Initiative
March 2018

Background: The Smart Schools Bond Act was passed in the 2014-15 Enacted Budget and approved by the voters in a statewide referendum held during the 2014 General Election on Tuesday, November 4, 2014. The Smart Schools Bond Act (SSBA) 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 the State. The SSBA requires that a Review Board review and approve districts' Smart Schools Investment Plans before any funds may be made available for the program. Additional information regarding the Smart Schools Bond Act can be found at: http://www.p12.nysed.gov/mgtserv/smart_schools/

All District plans approved by the school board and submitted to the New York State Education Department must meet the required elements including demonstrating students' needs, minimal speed requirements for internet connectivity, professional development, technical support, and sustainability. As part of the process, districts were required to submit a District Instructional Technology Plan survey in compliance with the Education Law and Commissioner's Regulation. The Instructional Technology Plan survey outlines the current and future plans of the district as it relates to infrastructure, devices, staffing, and professional development to improve teaching and learning. AUFSD's Instructional Technology plan was approved by New York State Education Department in August 2016 with a new plan being developed for submittal in the summer of 2018 that will provide an overview for three years, but will be updated each year as we progress.

Requirements: Below is a list of technologies and projects that Smart Schools Bond Act monies can be utilized for in districts:

- ➤ Acquiring learning technology equipment or facilities including interactive whiteboards; computer servers, desktop, laptop and tablet computers;
- ➤ Installing high-speed broadband or wireless Internet connectivity for schools and communities;
- ➤ Constructing, enhancing and modernizing educational facilities to accommodate prekindergarten programs;
- ➤ Providing instructional space to replace transportable classroom units;
- ➤ Installing high-tech security features in school buildings and on school campuses, including installation of high-tech security features such as video surveillance, emergency notification systems and physical access controls.

Funding: AUFSD's portion of this funding is $2,220,695

School District Information
The Amityville Union Free School District (AUFSD) encompasses grades Pre-K - 12 across five buildings.

> ***BEDS Day Enrollment***
> District Total: 3,063 students

> ***Budget Cycle***
> The Amityville Union Free School District budget cycle is from July 1st through June 30th of each year.

> ***Current Chromebook Inventory (in carts, assigned to individual students, teachers, administrators)***
> 723

Prerequisite: As a precondition to utilizing the SSBA allocations, each District must ensure that there is adequate Internet bandwidth (equal to or exceeding 100 Mbps per 1,000 students) to sustain computer-based initiatives.

AUFSD currently has redundant Internet access from two separate providers through Western Suffolk BOCES with a total of 500 Mbps (a 300 pipe from LightPath and a 200 pipe from Lighttower) which exceeds the recommendation for our approximately 3,000 student population.

Recommendation: Utilize a portion of the funds to begin the roll-out of one-to-one access in our schools and provide devices to teachers, classrooms and students.

Plan: This document provides the district's recommendation for use of a portion of these funds, as well as an implementation plan.

The District wants to use the Smart Schools Bond funds to purchase mobile devices to support learning and enhance students' access to digital content and teachers' access to planning and resources to support student engagement.

Rationale: Currently, access to student mobile devices is limited in our elementary buildings which restricts students from having daily access to class engagement and assignments in an online learning environment. Allocating funds for the purchase of Chromebooks and carts will improve overall access to student devices in each elementary building. In addition, Chromebook devices will be purchased for elementary teachers so that they can develop plans and prepare lessons in line with the technology available to the students and our technology mission.

At our Middle School and High School, teachers are sharing Chromebook carts by academic department. In 2018-2019 we will increase the number of Chromebook carts by department to begin our transition to a one-to-one program in the 2019-2020 school year. This will include the purchase of carts and Chromebooks.

Project Elements:

The District plans to purchase the below Chromebooks models (or the equivalent at the time of the approval of the project).
Grades K through 3: touch screen Chromebook (Acer Chromebook Spin)
Grades 4-12: Acer C731 Chromebooks
Grades K-12: AVerCharge C30i+ carts (26-30 Chromebooks per cart)

These units will have 4 GB of RAM 516 GB solid state hard drives and have 11" screens. They will be purchased with the Chrome OS Management license so that they can be added to the District's existing Google Apps for Education (GAFE) domain.

For all devices, secure carts will be purchased for charging and safe keeping in the classrooms. An AVerCharge C30i+ cart (or the equivalent at the time of the approval of the project) will be purchased.

Schedule: Actual dates are to be determined as this project requires pre-approval by the New York State Education Department prior to the start of work, but as soon as we receive approval, we will begin the purchase process.

During the 2018-2019 school year, our first planned milestone is to get 100% wireless coverage across the district. Our goal is to have this ready for the opening of school in September 2018.

The District wants to ensure all teachers and students have wireless access when and where they need it. The District closely monitors and manages network traffic and is continually adding mobile devices to the instructional program. In order to meet usage demands with the appropriate level of wireless access, we have designed a plan that meets these needs with the locations and placements of wireless access points. We are expecting to ensure there is one access point per classroom across the district and multiple access points in larger instructional areas (auditorium, gym).

Moving towards a one-to-one initiative across the district in the future, we want to be sure that the connectivity to the Internet is seamless with no interruption of service and no spotty coverage in all of our buildings. As a Google Apps for Education (GSuite) district, our administrators, teachers and students rely heavily on Google for classroom instruction utilizing communication and collaboration in real-time.

Sustainability: The District is committed to the integration of mobile devices in the classroom, particularly in the area of Chromebook use at all levels. Money has been allocated in the technology budget for the past three years for the purchase of Chromebooks, carts and professional development. The District made a commitment this year to continue allocating money in the budget to continue to support this initiative over the next several years. The District is also committed to integrating the mobile devices purchased into the regular equipment upkeep/replacement cycle. During the summer of 2018, the District will fund the implementation of the upgrade and expansion of the wireless network for fully saturated access across the district.

Cost: The expected total cost of the project is approximately $829,185, with the monies allocated from the following: Smart Schools monies $829,185 ,and the general fund for technology ~$10,000 to help with the rollout of the devices across the district.

Budget Breakdown

ELEMENTARY LEVEL	COST
884 - Touch screen Chromebook (Acer Chromebook Spin) @ $362 (26 per cart) NE: Library NW: Library NW: 32 classrooms	$320,008
910 - Acer C731 Chromebooks @ $260.00 (26 per cart) PAMES: Library PAMES: 34 classrooms	$236,600
69 - AVerCharge C30i+ - cart @ $1,071.00 each	$73,899
SECONDARY LEVEL	
540 - Acer C731 Chromebooks @ $260.00	$140,400.00
18 - AVerCharge C30i+ - cart @ $1,071.00 each MS: 2 carts for each academic subject 1 cart for library HS: 2 carts for each academic subject 1 cart for library	$19,278.00

TEACHER DEVICES	
150 - Acer C731 Chromebooks @ $260.00	$39,000.00
TOTAL:	**$829,185**

The Amityville Union Free School District Board of Education has approved the Preliminary Plan at the March 14, 2018 Board of Education meeting.

Please submit any questions or comments with regard to the plan no later than April 13, 2018 to:
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