

Smart Schools Investment Plan



Alden Central
School District
Alden, New York

Original Plan
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Updated Spring 2019

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Smart Schools Bond Act (SSBA) Description

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 New York State 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 improvements in educational technology, infrastructure and security. The Alden Central School District has been allocated \$1,246,433 for this purpose. This will be paid to the District by New York State as reimbursement for expenses incurred under the plan.

I. PLAN OVERVIEW

The Alden Central School District Technology Vision Statement is as follows:

Our vision includes the seamless progression and integration of technology for the enhancement of educating K-12 students and access of such by community members via web, presentations and Community Education classes.

All members of our learning community will have the resources and skills to effectively use technology to:

- aid assessment processes
- facilitate learning
- enhance achievement
- expedite communication
- retrieve and manage information efficiently
- encourage critical thinking and creative problem solving
- foster collaboration and life-long learning



Our vision will enable members of our school and community to reach their highest potential through the integration of technology into all learning opportunities.

The vision for Alden classrooms include:

- an enterprise wide wireless solution
- technology rich environments with projection equipment, student portable workstations and access to electronic resources
- utilization of portable workstation and iPad carts with a desire to move towards a 1:1 computing environment
- using technology activities and instruction that have real life connections
- meaningful integration utilizing technology to differentiate instruction
- providing students a way to publish their work over the internet giving them a wider audience and increasing engagement in their own learning

The Smart Schools Investment Plan supports the vision of Technology and our Instructional Technology Plan. After examining the District's Technology needs and reviewing our Smart Schools Bond Allocation, it was determined that the best use of those funds were the following:

- Purchase classroom technology of student portable workstations - 1 to the World project in which students are assigned a device that they can use in school and at home. Fifth grade students they would be assigned a Lenovo 11e YogaPad and Ninth grade students would receive a Microsoft Surface Pro

This Preliminary Smart Schools Investment Plan information was reviewed by the District Student Achievement Team (DSAT) on Wednesday, October 25, 2017. The DSAT is made up of School Board Members, Administrators, Teachers, Students, Staff, Parents, Community Members and Higher Education Faculty.

II. TECHNOLOGY INFRASTRUCTURE PRECONDITIONS

In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.



The Alden Central School District technology infrastructure features a state-of-the-art high speed wireless network with 183 access points that support the 802.11ac standard. Buildings are connected by a 1GB Wide Area Network that supports a 1 GB connection to the Internet. All of the equipment purchased in this investment plan will have access to adequate power and excellent wi-fi coverage on all three of our campuses.

III. GOAL

- Utilize Smart Schools Funding over five years to purchase of student portable workstations - 1 to the World project in which students are assigned a device that they can use in school and at home.



IV. PURCHASE PLAN & ALLOCATION OF FUNDS

Main Categories - ALDEN CSD ALLOCATION - **\$1,246,433**

CATEGORY	ALLOCATION
School Connectivity	
Connectivity Projects for Communities	
Classroom Technology	\$ 1.246.433
Pre-Kindergarten Classrooms	
Replace Transportable Classrooms	
High Tech Security Features	

CLASSROOM TECHNOLOGY (\$1,246,433)

Smart Schools Technology Purchases over the next five (5) years:

- K-2 - iPad class sets (2 per grade level) placed in existing District Carts
- Grades 5-8 - Lenovo 11e Windows 10 computer 1:1 program - students take devices home
- Grades 9-12 - Microsoft Surface Pro computer 1:1 program - students take devices home
- Faculty & Administration - Microsoft Surface Pro computer
- Teacher Aides - Dell laptop
- This area includes the participation of non-public schools in our District (St. John the Baptist School). The allocation for that school based on enrollment is \$32,250 for Google Chromebooks



FIVE YEAR - PURCHASING PLAN

	Year1: 2019-20	Year 2: 2020-21	Year 3: 2021-22	Year 4: 2022-23	Year 5: 2023-24
Lenovo 11e YogaPad (grade 5)	132 units - \$670 \$88,400	131 units - \$670 \$87,770	131 units - \$670 \$87,770	131 units - \$670 \$87,770	131 units - \$670 \$87,770
Microsoft Surface (grade 9)	None	125 units - \$1,028 \$128,500	125 units - \$1,028 \$128,500	125 units - \$1,028 \$128,500	125 units - \$1,028 \$128,500
iPads (K-2)	100 units - \$439 \$43,900	50 units - \$439 \$21,950	None	None	50 units - \$439 \$21,950
Microsoft Surface (Faculty/Staff)	32 units - \$1,028 \$32,896	43 units - \$1,028 \$44,204	25 units - \$1,028 \$25,700	33 units - \$1,028 \$33,924	25 units - \$1,028 \$25,700
Dell Laptop (Teacher Aide)	10 units - \$1,000 \$10,000	None	None	None	None
Google Chromebook (St. Johns)	65 units - \$496 \$32,250	None	None	None	None
TOTALS	\$207,486	\$282,424	\$241,970	\$250,194	\$263,920

GRAND TOTAL: \$1,245,994

V. SUSTAINABILITY

To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.

The Alden Central School District Technology Plan allocates funds for technology purchases via:

- Local District funds
- Textbook hardware allocations
- 3 year - Instructional Installment Purchase Agreements (IPA) with Erie I BOCES

Future Technology budgets will support the replacement and maintenance detailed in this Smart Schools Investment Plan, as well as maintenance and support for all of the Districts hardware and technology infrastructure.

VI. ORIGINAL INVESTMENT PLAN TIMELINE

DATE	DESCRIPTION
October 25, 2017	DSAT MEETING: to review Preliminary Smart Schools Investment Plan
December 7, 2017	Preliminary Plan BOE presentation & approval
December 8, 2017	Preliminary Plan posted to website for comments (30 days)
January 18, 2018	Public hearing and information Session
January 18, 2018	BOE approval of final plan
January 19, 2018	Post final plan to website and submit application via NYSED Portal
TBD	Application is approved by NYSED SmartSchools Review Board

VI. FEEDBACK

This document will be posted to the Alden Central School District at aldenschools.org
Please direct any questions or comments to:

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