

Andover Central School  
Smart Schools Investment Plan (SSIP) Overview

Person to Contact regarding this plan and submission:

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The estimated number of students and staff that will benefit from this SMART Schools Investment plan based on this project to date:

Students: 351            36 Teachers            32 Staff

Andover's total allocation of SMART Schools Bond Funds:            \$449,583

Budget Sub allocations by category submitted with this plan are as follows in the table below:

School Connectivity	\$0
Connectivity Projects for Communities	\$0
Classroom Technology	\$107,518
Pre-Kindergarten Classrooms	\$0
Replace Transport Classrooms	\$0
High Tech Security Features	\$0
Unallocated Funds	\$0

### **Andover Central School Technology Goals:**

- Enhance programs to improve student literacy in the use of new technologies.
- Upgrade technologies in the production of the stem classroom.
- Provide USB Microscopes to the Science Classrooms.
- Implement a robotics program to facilitate cross curriculum projects in the Production Technology Program.
- Computer upgrades and Upgrades of the Server room and switch rooms.
- Provide a process for maintaining and supporting technology within the District. Improve and expand wireless network.
- Improve student achievement through the use of technology.
- Provide continual education opportunities for teachers in the use of technology.
- Provide parents and the community with technology skills and resources to support student success.
- Continue exploration of upgrading hardware and software in technological innovation.
- Offer Distance Learning course to the general public.

### **Plan Timeline:**

The District developed and the School Board approved this final draft of the Smart Schools Investment Plan on: February 12, 2018

The Smart Schools plan was posted on the District Website for at least 30 days.

The District conducted a public hearing on: February 14, 2018

The School Board will approve the final plan after comments and postings have occurred.

The final plan will be submitted to NYSED.

The District will then purchase the items that are approved and submit receipts to the State for reimbursement.

The Smart School Investment Plan that proposes the purchase of technology devices and other hardware must account for nonpublic schools in the District. There are no nonpublic schools within the District.

**I. Stakeholder Engagement:**

Pursuant to the requirements of the Smart School Bond Act the planning process for the Andover Smart School Plan included consultation with parents, teachers, students and community members from the School District.

The Preliminary Smart Schools plan will be posted on the District Website for at least 30 days. The District will include an address for which any written comments on the plan can be sent.

Stake holders were also asked to join in on the planning process as well. This was accomplished utilizing a Technology Committee.

Technology Committee Members are:

**Teachers and Parents:** Aaron Brubaker, Sean Riley, Harold Brown, Molly Mattison, Zach Owen and Technology Coordinator Mike Chaffee.

**School Administrators:** Superintendent of Building and Grounds Michael Hulse, School Psychologist Sheryl Dougherty, CSE Chair Cassandra Lamphier, Curriculum Director Kate Cornell, Principal Jon Morris, Business Administrator Linda Geer, District Superintendent Lawrence Spangenburg.

**School Board Member:** Cindy Baker

**Community Members that were invited to participate:** Andover Public Library Director Linda Adams.

**Students:** Lexi Horton and Dakota Gavin

Below are Meeting Dates and Meeting Minutes Summarizing each meeting.

A. Meeting minutes for November 29, 2017:

Present: Aaron Brubaker, Sean Reilly, Michael Hulse, Jon Morris, Linda Adams, Lawrence Spangenburg, Kate Cornell, Cindy Baker

1. The Technology Coordinator Mike Chaffee gave a presentation on the Smart Schools process, Smart Schools Guide forms and Explanation of the Smart Schools Survey tool.
2. Mike Chaffee presented Lightspeed Audio System for inclusion of the plan.
3. Committee discussed adding math calculators and programs into the plan.
4. A decision was made to send another e-mail to faculty and staff calling for other classroom technology that might be wanted.
5. A future meeting date was planned for review and finalization of the smart School plan.

B. Meeting on January 16<sup>th</sup>, 2018

Present: Kate Cornell, Aaron Brubaker, Sean Riley, Jon Morris, Cindy Baker, Lawrence Spangeburg, Cassie Lamphier, Mike Chaffee

1. A presentation of the Andover Central School Technology Plan, The Process of the Technology Survey to be submitted to the State and the Smart Schools Plan was made by Mike Chaffee to the committee.
2. A discussion of the State Technology Survey based off of the Districts Technology plan was discussed.
3. The Andover Smart Schools Plan, based off of the District's Technology Plan was discussed and approved.
4. The Committee agreed to submit the Smart Schools Plan to the School Board for Review and Approval.
5. A Date for a public hearing on the Smart Schools plan was set for the week of February 12<sup>th</sup>.

***II. Identification and Demonstrations of District Needs:***

Description of the Devices the District Intends to Purchase and their compatibility with the District's Existing Infrastructure:

Table of Devices and projected device number and cost

Description of how the proposed technology purchases will:

- a. Enhance differentiated instruction: Please see Attachment B
- b. Expand Student Learning inside and outside the classroom:  
Please see Attachment B
- c. Benefit Students with Disabilities:  
Please see Attachment B
- d. Contribute to the reduction of learning gaps that have been identified by the District: Please see Attachment B

### ***III. Adequate Technology Infrastructure:***

1. The District meets or exceeds the Federal Minimum Standard of 100Mbps per 1,000 students. The District also has a robust Wi-Fi network in place that has a sufficient bandwidth in place to meet or exceed user demand.
2. The IT staff currently monitors the bandwidth usage by viewing reports in our Light Speed Rocket reporting engine. The District generally averages half of its bandwidth allotment.
3. The District has 2 Equallogic Dell PS 4100 Virtual Servers, 3 switch rooms and at least two hardwired data drops in every office and classroom. The District also has approximately 200 desktop computers spread out among the Classrooms and Computer Labs. These computers are under 5 years old and on a Windows 10 operating platform.
4. All NY State Public Schools are required to complete and submit an Instructional Technology Plan Survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.2 of the Commissioner's Regulations. Districts that include educational technology purchases 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. The District has successfully filed an Instructional Technology plan with the New York State Education Department.

### ***IV. Professional Development:***

The District has a Formal Professional Development Plan. This plan will be used to provide teachers with training for all new technology purchased with Smart School monies.

Staff development programs are designed to accommodate the rapidly changing nature of the technological world and the wide diversity in the learning needs of the adults who serve the district. Staff Development resources are provided to Teachers in the form of printed manuals or User Guides. Teachers will also have access to educational resources and courses on the Internet.

Teacher staff development training in technology will be facilitated by the district or through the Instructional Support Service provided through the Cattaraugus-Allegany and Erie One BOCES. Teachers will be provided with

individual opportunities to improve instruction in their content using unique and challenging technology applications. Teachers will sometimes work regionally during this phase in order to provide shared experiences from multiple perspectives required of transforming information and skills into applicable competencies which translates into meaning and purpose in their discipline. The District will continue to research Title 1 and 2 funds as well as other Federal and State Grants and BOCES Professional Development Courses in an effort to increase access to technology for our staff and students.

## **2. Technical Support and Sustainability:**

To ensure the sustainability of technology purchases made with SMART schools funds, the District has considered a plan to physically maintain and fund the cost associated with the purchased equipment. All cost will be included in the District's technology budget. **Funding sources for the Budget include E-rate Monies, NYS Title Grants, State and Federal Grants and Aid and regular income generated from School Taxes.**

This plan includes:

1. Accounting for reoccurring cost associated with the equipment:  
Vendor fees, materials and other cost will be accounted for in the District's annual technology budget.
2. Device Maintenance and replacement:  
The Technology Department will inspect equipment and account for it in the Schools Technology Equipment inventory. This inventory will allow for recommendations for replacements. Replacement cost will be included in the technology budget.
3. Internet and Wireless Fees:  
Internet service and wireless Internet support service will be provided to the District by Erie One Boces.

4. Technical Support:

The District employs a Microcomputer technician. Funds for the technician are budgeted annually. The District also has a Technology Coordinator that is funded through an annually budgeted stipend. The District also has contracted with Erie One Boces for advanced Technical support.

Districts must ensure that devices purchased with SMART Schools Bond Act funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles. The Andover Central School District tags and tracks all District property in an Asset Management Inventory program. This acquisition and disposition database is updated and audited annually. The Andover Technical Department also maintains an extensive inventory of all technology devices and their deployed locations.