

Eden Central School District

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Smart Schools Investment Plan

Narrative

November 3, 2016
Revision May 17, 2017

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Smart School Investment Plan Overview: First Submission

District Instructional Technology Plan

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. The Eden Central School District submitted an Instructional Technology Plan survey it was approved and is on file with the New York State Education Department. The full Instructional Technology Plan survey can be found in Appendix A of this document.

Development of the District's Smart School Investment Plan

The development of the District's Smart School Investment Plan was part of the District Technology Plan that is on a three-year cycle. The current three Technology Plan will cover from July 2016 through June 2019.

The plan is reviewed, revised and update at the following District Department Chair Committee meetings. The committee is comprised of department chairs for the following curriculum areas; Art, Business & Computers, English, Health & Consumer Science, Math, Music, Physical Education, Science, Social Studies, Technology, and World Languages. In addition, the following administrators facilitate the committee; Director of Curriculum and Staff Development and Director Information Technology/CIO.

Monday, February 23, 2015 the committee starts the review of the three-year plan:

- Mission Statement, Introduction, District Technology Committee
- Technology Vision and Goals

Monday, April 20, 2015

- Reviewed the current Technology plan for changes section by section.

Monday, May 18, 2015

- Reviewed of the NEW SED Instructional Technology Plan Survey requirements for July 2015.

Monday, June 8, 2015

- Reviewed of SED Instructional Technology Plan Survey elements for July submission.
- Submitted first draft to WNYRIC for review July 17, 2015.
- Submitted second draft to WNYRIC for review September 9, 2015.

Monday, September 21, 2015

- Reviewed feedback from Instructional Technology Plan Survey.
- Final review of the new Technology Plan (2016-2018) before submitting to the Board of Education.
- Submitted third draft of Technology Plan Survey October 9, 2015.

Monday, March 7, 2016

- Review updates to the new Technology Plan with the committee.

Subcommittee for Capital Project

Starting in February 2015, the Capital Project Advisory Committees have conducted a series of meetings; the consistent goal has been the identification and capture of all potential building and site scope of work that may be included in a Capital Project. One of the three committees was the Information Technology and Building Committee [ITBC]. The ITBC had the following committee members:

- Co-Chairpersons (2) – Teachers/Administrative Interns
- Board of Education members (3)
- Principals (3) – One from each building
- Administrators (4) – Superintendent, Director of Finance, Director of Curriculum & Instruction, Director of Information Technology/CIO/Director of Enrollment
- Building & Grounds (1) – maintenance
- Teacher/Technology (1) – Elementary School & District Technology Integrator
- Technology Support Staff (1) – Microcomputer Repair Technician
- Teacher (3) – One from each building
- Librarian (1) – Elementary School
- District Safety Committee (1) – Representative

- Nurse (1) – Primary School
- Clerical (1) – Primary School
- Parents (2) – Elementary and High School parents
- School Resource Officer (1) – Local Police Department
- Students (2) – Junior and Senior High School students
- Community (3) – Local business owner and two retirees
- Alumni Association (1) – Representative
- Eden PTA (1) – Representative

Committee Meeting Dates and Main Agenda Items:

- 2/11/15 – Kick off meeting for all three committees
- 3/14/15 – Review of recent Building Condition Survey findings
- 3/24/15 – Addressing future goals and health and safety concerns
- 4/14/15 – Define District Goals and prioritize Capital Project scope
 - Discussion on use of SMART Schools Bond funds
- 4/21/15 – Present recommendation to the Board of Education

District Shared Decision Making Committee

The District Shared Decision Making Committee met on October 19, 2016 to review the preliminary plan for the Smart Schools Bond fund. The committee reviewed the plan and approved moving forward with submitting a preliminary plan to the Board of Education for approval at the November 16, 2016 meeting. The plan will be posted on the district website inviting public comment for 30 days prior to the December 14, 2016 Board of Education meeting. Prior to the start of the December 14, 2016 Board of Education meeting there will be a hearing that will enable stakeholders to respond to the preliminary plan.

The District Shared Decision Making Committee has the following members:

- District Superintendent
- Director of Information Technology/Enrollment & CIO
- Director of Curriculum/Instruction & Staff Development
- Superintendent of Buildings & Grounds
- Assistant Principal Jr/Sr High School
- Board of Education Liaison
- Elementary teachers (2)
- Primary teacher
- Jr/Sr high School teachers (2)
- Facilitator – Elementary teacher
- Head Bus Driver
- Teacher’s Aide (CSEA representative)
- Support staff
- Higher Education representative
- Parents (2)
- Community member representative
- Student Representative – Jr/Sr High School

Total Number of Students and Staff that will benefit from the Smart Schools Investment Plan

The entire population of students and teacher will benefit from the proposed Smart School Investment Plan.

2016-17	Total Enrollment	Pre-K Enrollmentmen	K-2 Enrollment	3-5 Enrollment	6-8 Enrollment	9-12 Enrollment	Ungraded Enrollmentmen
Student Enrollment	1,418	54	262	290	337	448	7
Teachers	143	2	14	13	44	66	4

Eden Central School District Smart Schools Bond Act Allocation is: \$958,018

Budget Sub-Allocation by Category that we are submitting for approval at this time:

	Sub-Allocations
School Connectivity	
Connectivity Projects for Communities	
Classroom Technology	\$265,086
Pre-Kindergarten Classrooms	
Replace Transportable Classrooms	
High-Tech Security Features	
Totals:	\$265,086

Smart Schools Investment Plan: Classroom Learning Technology

Connectivity Speed

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in MB	Current Speed in MB	Expected Speed to be Attained within 12 months	Expected Date When Required Speed will be met
Calculated Speed	1,396	139,600	139.6	1,000	1,000	7/1/2010

The District currently meets the required speed although our current wireless system is outdated causing insufficient coverage in classrooms district wide. We are currently installing a new system with E-rate funds. This brand new wireless network infrastructure will install an access point in every classroom in all school buildings. Multiple access points will be installed in large group areas (libraries, cafeterias, auditoriums, gyms, etc.) this school year. In addition, the district has an ongoing Capital Improvement Project that will replace all network wiring, wiring closets, and any additional routing switches not replaced in the E-rate wireless project this year. The expected completion of the Capital Project is August 2018.

Devices Intended to Purchase

Compatibility with Existing or Planned Platforms or Systems

The District plans to purchase 312 iPad Minis™ for students in grades Kindergarten, First, and Second and 182 Chromebooks™ for students in grades three, four, five and six. The District has tested and confirmed that these devices will function effectively within our current and planned upgrades to both our network infrastructure and wireless infrastructure. Each classroom will have “charging stations” available for student to charge their device. HVAC and electrical are not expected to be impacted although both systems are being addressed in our ongoing Capital Project anticipated completion for August 2018.

Proposed Technology Purchases will:

- Enhance Differentiated Instruction;
- Expand Student Learning Inside and Outside of the Classroom;
- Benefit Students with Disabilities and English Language Learners; and
- Contribute to the Reduction of Other Learning Gaps that have been Identified within the district.

The vision of Eden Central School District is a collaborative learning community that embraces the individuality of each student, educating and empowering them to become productive citizens in an ever-changing and diverse society. In our current approved Technology Plan the district has four goals to support our vision. Goal number one is currently being addressed by district funds and on-going staff development. Goals two, three and four will be enhanced by this SSIB submission. Teachers and students will use prevailing technology to enhance both traditional learning settings as well as support and encourage our advancement towards inquire/project-based learning. Inquiry-based learning environments demands technology that is current to provide students the tools they need to personalize their learning and to communicate their learning in numerous ways

through various media. These devices increase the ability for students to work collaboratively with other students within their class, school, district, state, nation and world. These devices in conjunction with our learning management system, Google Apps for Education (GAFE) suite of services and Gmail allow for electronic transfer of assignments and assessments. GAFE is the premier collaborative web-based platform currently in use in the K-12 and university environments. GAFE is accessible from any Internet-connected computer or device. Applications and extensions associated with GAFE allow differentiated instruction for students by presenting material to the students at their own pace and ability level. Chrombooks™ and iPad minis™ are both a vehicles for assistive technology for our students with disabilities and English Language Learner students. These devices allow programs such as Google translate, Proloquo™, and Talkit™ that will provide access to the curriculum for these students. Coordinated efforts between the technology and special education departments have provided equitable access to instruction, materials and assessments for all students. Thereby, addressing the needs of students with disabilities according to the specific recommendations contained with Individualized Education Programs. Having devices allows all of our students a greater opportunity to practice, remediate and reinforce instruction since these devices are Internet driven it is easier to integrate subjects and real world issues.

Communication with Parents and Other Stakeholders

The District maintains an active website, a mass communication phone, email, and texting system, and an anonymous web-based bullying reporting system. Further, all teachers have direct access to both student and parent email communications through our student information system. By parents getting involved with what the student is doing in school it increases communication and collaboration between home and school. Our proposed device purchases will only serve to improve the technology environment that supports communication with parents and all stakeholders. Parents can see their child's progress in each content area through the learning management system "Parent Portal". The collaborative nature of Google Apps for Education increase the ability for students to work with other students within their class, school, district, state, nation and world. Students can collaborate in a virtual environment without being physically near each other increasing the amount of collaboration time beyond the traditional class period. The cameras built in to these devices allow for face-to-face collaboration meetings with other students anywhere in the world.

Professional Development

Professional Development at Eden Central School District may include, but is not limited to the following examples. Please note as only Technology Plan Goals two, three, and four are being addressed in this SSIB submission they are outlined below. Technology Plan goal number one's professional development strategies may be found online in our full Technology Plan.

Technology Plan Goal Two: Integrated Learning System

- In 2016-2017, after piloting several systems in 2015-2016 and offering introductory WNYRIC workshops, the district has standardized on Google Apps for Education (GAFE) and Google Classroom. The District's Google platform was initiated in October 2016. We offered two teachers BOCES Model School staff development Google workshops in October for teachers district wide. Another WNYRIC Google workshop will be offered in December with more workshops planned for winter and spring 2017. In addition, teachers with specific applications or concepts may request an individualized training with one of the three District Technology Integrators.
- In 2017-2018 and beyond, we realize that establishing and integrating online curriculum based on GAFE and Google Classroom will take several years to implement fully. We will continue to offer staff development such as, BOCES Model School staff development workshops, Teacher Center workshops, WNYRIC regional workshops or other professional workshops at colleges or conferences.

Technology Plan Goal Three: Implementation for the ISTE Technology Standards by Teachers

The District requires all teachers to self evaluate their teaching to the district technology goals. This self-evaluation review is done yearly in June. The evaluation reviews how teachers meet each of the six technology (ISTE) goals for the current year. It also asks the teachers to submit their plans for the upcoming year to reach the goals within their curriculum. In addition, teachers have the opportunity to express what additional technology and/or professional development [PD] they will incorporate in the upcoming year. The Director of Curriculum & Staff Development reviews the PD requests. They will be incorporated into superintendent professional development days, after school or summer workshops presented by either district staff, Model School's trainers, or outside experts in the necessary content areas or technology. If none of the above models fulfills a teachers specific technology curriculum requirements teachers may be sent to Teacher Center workshops, WNYRIC

regional workshops or other professional workshops at colleges or conferences.

Technology Plan Goal Four: Personalized Learning Plan

2016-2017

First, the district set a top priority for developing a plan for implementing inquiry-based personalized learning. We are participating in an Erie 2 BOCES pilot with Education Elements™ to develop the district plan. This is a yearlong pilot to develop and start implementing through staff development with administrators and teachers a district personalized learning plan.

Second, although personalized learning can occur without technology the benefit of 1:1 devices enhances the implantation. This is year one of the district implanting a 1:1 initiative for devices.

- A pilot teacher in kindergarten, first and second grade has been given a full class set of iPad Minis™, printer and charging cart. The three teachers have committed to a yearlong Model Schools pilot that includes both pull out training and push in of at least seven days. In addition, the other classroom teachers in kindergarten, first, and second have been given, at least, five iPads™ for the year along with Model School's pull out training specific to their grade level and curriculum.

2017-2018

This will be year two of the BOCES pilot for developing and implementing a district wide personalized learning plan. There will be continued BOCES support for the district throughout the school year.

This will be year two of the 1:1 initiative plan.

- All classroom teachers in kindergarten, first and second grade will be given a full class set of iPad Minis™, printer and charging cart. The teachers will have the same yearlong Model Schools training that was given to the pilot teachers in 2016-2017 that includes both pull out training and push in of at least seven days. In addition, the pilot teachers from 2016-2017 will be available to help their colleagues as needed.
- A pilot teacher in third, fourth, fifth and sixth grade will be given a full class set of Chromebooks™, printer and charging cart. The four teachers will commit to a yearlong Model Schools pilot that includes both pull out training and push in of at least seven days. In addition, the other classroom teachers in third, fourth, fifth and sixth grades will be given, at least, six Chromebooks™ for the year along with Model School's pull out training specific to their grade level and curriculum.
- Teachers at in grades seven through twelve will benefit from the new devices being implemented in grades kindergarten through sixth as existing shared technology such as mobile laptop carts and iPad™ carts will now be housed in the seven through twelve building. In addition nine sets of classroom iPads™ previously given to teachers in grades kindergarten, first and second grade will no be available to teachers in grades seven through twelve. Additional, Model School training to implementing this additional technology in the classroom will be available throughout the school year.
- In addition, the district will encourage teachers and administrators district wide seek professional development that meets their specific curriculum needs. This may include a variety of the following options, such as, weekend courses, research projects, mini-grants, Teacher Center workshops, WNYRIC regional workshops or other professional workshops at colleges or conferences.

Classroom Learning Technology

	Sub-Allocation
Interactive Whiteboards	
Computer Servers	
Desktop Computers	
Laptop Computers	74,256
Tablet Computers	118,248
Other Costs	72,582
Totals:	\$265,086

Detailed Budget

Select the allowable expenditure type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Dell Mobile Computing Cart PS2 Unmanaged	7	\$1,899.99	\$13,299.93
Other Costs	The Dell™ Mobile Computing Cart - Upgrade Kit (Chromebook 11 (3120))	7	\$749.99	\$5,249.93
Laptop Computers	Dell Chromebook 11, Chrome OS, Intel® Celeron-N2840 Proc, 4GB RAM DDR3L Memory, 16GB eMMC SSD Storage Wifi, IPS HD Touch LCD Screen, 3 Year Premium Warranty	182	\$408.00	\$74,256.00
Other Costs	Google Chrome OS Management Console License, Education	182	\$33.86	\$6,162.52
Other Costs	HP LaserJet Pro M201dw	19	\$199.00	\$3,781.00
Tablet Computers	iPad mini 4 Wi-Fi 32GB - Space Gray	312	\$379.00	\$118,248.00
Other Costs	Bretford PowerSync Cart 30 for iPad with Retina display (Lightning)	12	\$2,399.95	\$28,799.40
Other Costs	Apple iPad Mini 4 STM dux Rugged Folio Case - Black	312	\$49.00	\$15,288.00

Appendix A



Instructional Technology Plan for 2016 Approve
edtech to: sanzalone
Cc: edtech, lkarstedt

09/14/2016 01:47 PM

History: This message has been forwarded.

Dear Sandra Keith-anzalone,

Thank you for submitting your district's 2016 update to the 2015-2018 Instructional Technology Plan, in compliance with Part 100.12 of the Commissioner's Regulations. Your plan has been approved. Districts are strongly encouraged to post their approved plan on their website.

Please note that approval of your Instructional Technology Plan does not constitute approval of any identified funding sources.

Comments, questions or concerns regarding Instructional Technology Plans may be addressed to edtech@nysed.gov.

New York State Education Department

