



**Smart School Investment Plan  
2016-2017**

**Wilson Central School District**

**374 Lake Street  
Wilson, NY 14172  
716-751-9341**

***Vision:*** *Be an excellent School District where all students master the standards set by New York State and Wilson Central School.*

*To this end, staff, parents and community will assist and support students in meeting their responsibilities to achieve mastery level performance.*

*Wilson is a centralized public school system with a total student population of approximately 1,172. The system is composed of Wilson Elementary School, Wilson Central Middle School, and Wilson Central High School. The District encompasses an area of 144 square miles including Wilson and portions of Ransomville, Newfane, Cambria, Lockport and Porter situated approximately 30 miles north of Buffalo, NY, 25 miles northeast of Niagara Falls and adjacent to the Lockport area.*

<b>Wilson Central School District</b>	
SMART School Investment Plan (SSIP) Overview	
Person to contact regarding this plan and submission:	
a. Carolyn Oliveri, School Business Official, Wilson Central School District (716) 751-9341 x121	<a href="mailto:coliveri@wilsoncsd.org">coliveri@wilsoncsd.org</a>
b. Jill Heck, Technology Facilitator, Wilson Central School District (716) 751-9341 x178	<a href="mailto:jheck@wilsoncsd.org">jheck@wilsoncsd.org</a>
The estimated number of students and staff that will benefit from this SMART Schools Investment Plan based on cumulative projects submitted to date: 1172 Students, 166 faculty, and 89 Staff	
<p>Wilson Smart School's Technology Plan Stakeholder Outreach</p> <p><b>Stakeholder Input:</b></p> <p>Technology Committee comprised of:</p> <ul style="list-style-type: none"> <li>● Teachers: Bonnie Simpson, David Robison, Maureen Mahar, Lynn Schauer-Bewley, Jill Heck</li> <li>● Staff: Jennifer Hilwig, Susan Anderson, Lori Brown</li> <li>● Student: Emily Paterson</li> <li>● Parent: Robin Cloy</li> <li>● Board of Education Members: Frank Cipolla, Linda Hurley</li> <li>● Administration: John Diodate, Scott Benton, Daniel Johnson</li> <li>● Erie 1 BOCES Support: John Marino, Edward Mlinarchik</li> </ul>	
Wilson's total allocation of SMART School Bond Act Funds:	\$1,158,784 million
<b>From the Wilson Instructional Technology Plan:</b>	
<p>The Goals of the technology plan includes:</p> <p>ALL STUDENTS TO:</p> <ul style="list-style-type: none"> <li>● Meet the intent of the New York State Standards</li> <li>● Gain proficiency in basic academic skills</li> <li>● Become technologically literate</li> <li>● Gather information</li> <li>● Process information</li> <li>● Communicate effectively</li> <li>● Develop thinking skills</li> <li>● Explore/solve problems</li> </ul>	

**ALL STAFF TO:**

- Effectively incorporate the New York State Standards
- Gain technological proficiency
- Expand instructional alternatives
- Gather information
- Process information
- Explore/solve problems
- Communicate effectively
- Develop/expand thinking skills
- Update classroom management methods
- Update instructional management techniques

These goals ensure that the students will meet and exceed the New York State Common Core Learning Standards in all content areas within the Wilson Central School District.

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	\$373,621.60
Pre Kindergarten Classrooms	\$0
Replace Transportable Classrooms	\$0
High Tech Security Features	\$0
Unallocated Funds	\$785,162.40

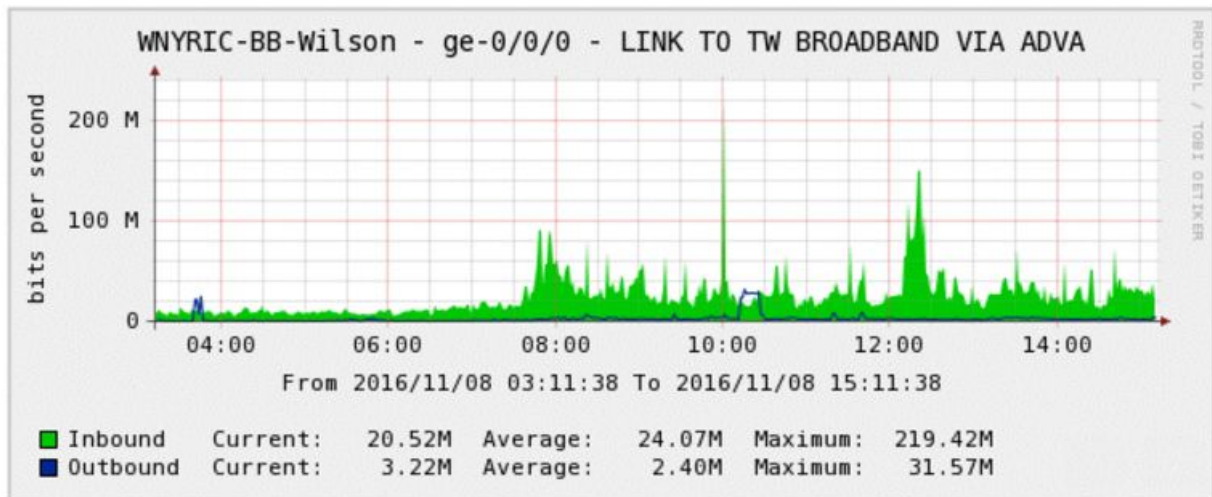
**Tentative Timeline:**

2015-2016 School Year	District level technology committee is formed; meetings begin regarding effective use of technology in the district.
Sept-December 2016:	The district developed and school board approved a preliminary Smart Schools investment plan on December 13th, 2016.
December 2016:	The preliminary SMART Schools Plan (SSIP) posted on the District Website for at least 30 days (December 14th, 2016 to January 14th, 2017). The District will include an

	<p>address to which any written comments on the plan should be sent.  <b>Carolyn Oliveri, School Business Official</b>  <b>374 Lake Avenue</b>  <b>Wilson, NY 14172</b></p>
February 2017	The School Board will conduct a public hearing that will enable stakeholders to respond to the preliminary plan at 7:00pm on February 14th, 2017. This hearing will occur before the scheduled Board meeting, and adequate notice will be given.
February 2017	The District will prepare a final plan for School Board approval. The final proposed plan will be submitted to NYSED and will be posted on the district's website.
February-April 2017:	Time allotted for review by state.
April-June 2017:	The District will then begin to purchase the items that are approved and submit receipts to the State for reimbursement.
July-August 2017:	Implementing new devices for the opening of school in September 2017.
<b>Plan Allocations</b>	
<b>School Connectivity: N/A</b>	
<b>Community Connectivity: N/A</b>	
<b>Classroom Learning Technology:</b>	
<p>1. As a precondition to any purchase of devices using a Smart Schools allocation, a district must increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.</p>	
<p>The District currently meets this standard; we have 1 Gbps (1000) everywhere between buildings, closets, desktops and the internet.</p>	
<p>2. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust WiFi network in place that has sufficient bandwidth to meet user demand.</p>	

Please describe how you have quantified this demand and how you plan to meet this demand.

In analyzing our bandwidth usage reports we regularly use much less than half of what is available. Here is a sample of a recent report as provided by our BOCES support team. This is monitored regularly through our managed service team at Erie 1 Boces.



3. All New York State Public School districts 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 100.12 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 plan was submitted by the September 1, 2016 deadline and the district received email approval on September 14, 2016.

4. Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems.

Our proposed technology purchases allow increased accessibility to students as well as an advanced presence of technology throughout the district. Wilson is a Google Apps for Education district and many teachers are beginning to integrate devices and are creating Google Classrooms for instruction. The purchase of age-appropriate devices will allow them to expand on and further utilize resources that are already available to them. This will give them the capacity for enhanced differentiated instruction, meeting varying degrees of learning styles.

In the primary classroom setting, touchscreen devices will give students the capacity to easily access the internet, educational applications as well as personalize learning for diversity,

including dual language learners. The devices can help them learn new skills and become familiar with routines, activities, research and applications that teachers can use to determine the best match for daily use by individual students. Using these devices will allow for audio and photo input as well as enhancing feedback. These devices will allow teachers to be intentional about the work of the primary students.

As students grow, we want their devices to grow with them. In the intermediate, middle and high school grade levels, we are increasing the number of chromebooks that will be available for student use. They will develop word processing, research and presentation skills using real-world technology. Teachers will be able to monitor children's engagement and interest levels and this technology will be an excellent resource to meet identified educational and life goals for a child or any group of children, again adding the capacity for differentiated instruction, contributing to the reduction of other learning gaps that have been identified within the district. The chromebooks and tablets will be located in classroom-based charging carts that will be plugged into existing outlets. In order to support device connectivity, we have increased our access points district wide so that each classroom now has its own access point. This will give these and all future devices the bandwidth needed to accomplish our goals.

5. Describe how the proposed technology purchases will:

- a. enhance differentiated instruction
- b. expand student learning inside and outside the classroom
- c. benefit students with disabilities and English language learners; and
- d. contribute to the reduction of other learning gaps that have been identified in the district.

*Enhance differentiated instruction*

Our proposed technology purchases will lead to an increased presence of technology district wide. Interactive wall devices, content specific devices and individualized technology for students will, in their general nature, allow for differentiated instruction. Teachers are working tirelessly on developing lessons that use the collaborative and supportive features of Google Apps for Educators in order to ensure all students are learning appropriately at their level. Formative and summative assessment tools and data are used to continuously ensure gaps in student learning are addressed. These purchased devices will allow this to happen in greater capacities.

*Expand student learning inside and outside the classroom*

The implementation of handheld devices, interactive wall devices and content specific technology will undoubtedly expand student learning inside and outside the classroom. Within the classroom, students will have more access to devices which instantly connect them to the world around them. Beyond the classroom, students will be able to apply these technology-based skills in real life situations.

*Benefit students with disabilities and ELLs*

Specific technology purchases will be allocated to teachers of students with disabilities and ELLs as well as the students themselves. Many of the tools associated with these devices can help reduce the gaps created by learning disabilities. Speech to text, text to print, translation apps and even the simple task of enlarging text will allow students and teachers greater accessibility in the classroom.

*Contribute to the reduction of other learning gaps that have been identified within the district*  
Teachers and support staff maintain formative and summative assessment data that are reviewed regularly in order to identify gaps in learning. They meet on a regular basis to discuss student data, progress and to identify services needed as well as collaborate to ensure support providers are working together to enable students to meet academic achievement standards. This RTI program can only be enhanced by providing teachers and support staff with instructional technology as well as providing students with increased opportunities to utilize programs and devices that meet their needs individually.

6. Where appropriate, briefly describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology based regional partnerships, including distance learning and other efforts.

Google Apps for Education improves collaboration and communication between faculty, parents, and students. Faculty will be able to access their accounts from devices anywhere which will allow better home-school communications. Devices we provide will help students view and submit assignments on campus as well as open the possibility of accessing their accounts from external locations as well. There is countless potential for regional partnerships through local universities, Orleans-Niagara and Erie 1 BOCES and any program that may be offered on-line. These purchases will open the door to many new pathways for success.

7. Describe the district's plan to provide professional development to ensure that administrators, teachers, and staff can employ the technology purchased to enhance instruction successfully. (Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience, and method of delivery within your summary).

Professional development is a critical component of the District Instructional Technology Plan and the District Smart Schools Investment Plan. It is offered to the Wilson Central School District teachers and staff in an on-going growth process. Their needs are what drive our professional development offerings. Resources for professional development include:

- BOCES curriculum developers
- Content specialists

- CSLO Technology specialists
- Erie1 BOCES RIC support
- O-N BOCES support
- Webinars
- Turn-key trainings from district staff

The commitment to provide professional development in a variety of ways allows staff to learn how to utilize technology tools and resources to develop innovative instructional methods. We offer both building and individual training at a minimum of 20 hours. Teachers may work in groups in a specific area or on their own. In addition to these options, we have increased our staff to include a technology facilitator. Teachers now also have the opportunity to expand their professional development through the working directly with this person on integrating technology including but not limited to Google Apps for Education, Web 2.0 tools and a host of program specific professional development into their instruction. All staff complete a proposal and assessment document for their staff development.

8. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.

We have numerous venues where work is done with our local teacher and leadership preparation programs. John Diodate, our elementary school principal, works collaboratively with the Leadership program at UB and we host student teachers from a number of the local universities including Niagara University and Buffalo State College, with our largest contingency coming from Buffalo State College. While Mr. Diodate meets with this group each semester for collaboration and support, the student teachers are represented throughout all three of our instructional buildings. Valuable information from these forums give us insight into innovative uses and best practices for student teachers.

9. Smart Schools Investment Plan that proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

There are no non-public schools within our district.

10. 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 the 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 District is working extensively to plan for all areas of technology as we look to the future. We are using our regularly budgeted money for already established needs and then limiting our Smart Schools Investment Plan to items that we will be able to sustain in the coming years, while continuing to enhance those purchases annually. In our planning, we are looking at leveraging state-aided hardware funds, BOCES aid on technology purchases and our district technology budget to continue to support the technology in the district. In our replacement plan, we will maintain reserve SSIP funds for future upgrades while continuing with a consistent overall technology budget designed to support the annual improvement and expansion of classroom devices.

The district's annual budget supports professional development, technical support, repair and maintenance, internet, and wireless costs, and will continue to be funded from this budget.

The district budget also provides for BOCES managed services including additional Chromebook monitoring software and extended warranties.

Other funding sources the district has identified to sustain our investment in technology are Federal Erate funding, NYS Title grants, capital improvement projects, and other state/federal/private technology grants as they become available.

11. 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 Wilson Central School District technology department maintains a detailed device inventory. All devices are tagged, recorded, and managed in conjunction with our services received through BOCES. Through the collaborative efforts of our team of Wilson-employed and BOCES service technicians, we keep detailed records of our acquired devices. Our primary tracking source is through a district-maintained Google Account: tech@wilsoncsd.org. The business office maintains records of our purchases. Staff members are required to sign a District Acceptable Use Policy and Implementation Guide and all devices are accounted for annually. In addition, we maintain ongoing device repair for all technology devices. Two district-employed IT support personnel maintain devices in good working order, track damages and support distribution and collection as well as additional support we receive through the managed service we purchase through our local Erie 1 Boces.

If you are submitting an allocation for Classroom Learning Technology complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that was entered in the SSIP Overview overall budget.

**Suballocations:**

Interactive Whiteboards (10@\$5838.10)	\$58,381.00
Computer Servers	\$60,000
Desktop Computers	\$0
Laptop Computers	\$0
Tablet Computers: 665@\$275 each	\$182,875.00
Other Costs: (Cases, carts, laser engraver)	\$72,365.60
<b>Totals</b>	<b>\$373,621.60</b>
Included in Other Costs are Protective Cases, Chromebook Carts, and content specific technologies for the for the classroom (potential to include a laser engraver and embroidery machines)	
<b>Pre Kindergarten Classrooms : N/A</b>	
<b>Replace/Modernize Transportable Classrooms: N/A</b>	
<b>High Tech Security Features : N/A at this time</b>	

**Contact for Comments:**

Carolyn Oliveri, Business Official  
374 Lake Ave, Wilson, NY 14172  
716-751-9341 extension 121