

Preliminary Dansville Central School District
SMART Schools Investment Plan

Preliminary SMART Investment Plan

SMART School Investment Plan (SSIP) Overview

1. **Person to contact regarding this plan and submission:**
 - a. Paul Alioto, Superintendent, Dansville Central School District - (585) 335-4000, ext. 2303
 - i. aliotop@dansvillecsd.org
 - b. Barbara Pamper, Director of Curriculum, Instruction & Computer Technology, Dansville Central School District - (585) 335-4000, ext. 2304
 - i. pamperb@dansvillecsd.org
2. **The estimated number of students and staff that will benefit from this SMART Schools Investment Plan based on cumulative projects submitted to date:** 1507 Students, 170 faculty, and 158 Staff
3. **Dansville’s total allocation of SMART School Bond Act Funds:** \$1.8 million
4. **Budget Sub-allocations by category submitted with this plan are as follows in the table below:**

School Connectivity	\$175,000
Connectivity Projects for Communities	\$0
Classroom Technology	\$919,751
Pre-Kindergarten Classrooms	\$200,000
Replace Transportable Classrooms	\$0
High-Tech Security Features	\$150,000
Unallocated Funds	\$355,249

5. **Timeline:**
 - a. The Dansville District developed and the School Board approved a preliminary SMART Schools Investment Plan

- b. The Preliminary SMART Schools Plan (SSIP) was posted on the District Website for at least 30 days. The District included an address to which any written comments on the plan should be sent.
- c. The School Board conducted a public hearing that enabled stakeholders to respond to the preliminary plan. This hearing occurred as part of a normal Board meeting, and adequate notice was given.
- d. The District prepared a final plan for School Board approval and such plan has been approved by the School Board

School Connectivity:

- 1. Briefly describe how intend to use SMART Schools Bond Act Funds for high-speed broadband and/or wireless connectivity projects in school buildings:**
 - a. With these funds we are seeking to bring connectivity to all parts of the district that weren't included in the previous capital project. We are also seeking to replace and upgrade Wireless Access Points as necessary.
- 2. Briefly describe the linkage between the District's Dansville CSD Technology Plan and the proposed projects. There should be a direct link between this question and the response to Part E, Question 1 of the SMART Technology Survey (Dansville Technology Plan)**
 - a. The Dansville District began a 1:1 Chromebook to student initiative in the fall of 2014. As stated in the Tech Survey, we thoroughly trained staff in the use of Google Apps for Education (GAFE) and Chromebooks, and in this current year, staff are using technology as appropriate to increase engagement and improve teaching and learning.
- 3. To ensure that district maximize the return on their investment in educational technology and devices, SMART Schools Bond Act funds used for technology infrastructure investments 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 you will use SSBA funds to meet this standard:**
 - a. We have met this standard for all instructional space. The additional equipment will bring wireless connectivity to all district sites.
- 4. If the District wishes to have students and staff access the Internet from wireless devices within the school building or in a close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has**

sufficient bandwidth to meet user demand. Please describe how you have quantified this demand and how you plan to meet this demand:

- a. The IT Staff currently monitors the bandwidth usage in the District by taking random snapshots of it at different times during the day. Currently we average less than our allotment of bandwidth.

5. Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects. Project number: N/A at this time, TBA

6. Was your project eligible for an expedited review process? Indicate name and license number of the architect or engineer of record: TBA

7. If you are submitting an allocation for School Connectivity complete this table. Note that the calculated Total at the bottom of this table must equal the Total Allocation for this category that was entered in the SSIP Overview overall budget:

- a.

Network/Access Costs	\$25,000
Outside Plant Costs	
School Internal Connections and Components	\$150,000
Professional Services	
Testing	
Other upfront costs	
Other Costs	

Community Connectivity: N/A

Classroom Learning Technology:

1. Describe how the devices intended to purchase and their compatibility with existing or planned platforms or systems:

- a. Expenditures for Classroom Technology fall under many categories designed to meet the divergent instructional technology needs to enhance teaching and learning of students and staff across all grade levels and

content areas. We plan to purchase additional technology that is compatible with our existing 1:1 with Google Chromebooks. Specifications are in 2 below.

2. Describe how the proposed technology purchases will:

- a. Enhance Differentiated Instruction
 - i. GAFE(Google Apps for Education) by its very nature helps with differentiating instruction. Teachers have worked tirelessly on developing lessons that use the collaborative and assistive features of GAFE to ensure all students are learning appropriately to their level. Formative and summative assessment data is used continuously to ensure gaps in student learning are addressed. Purchases in the SMART Bond Act will expand this through bringing appropriate technology to primary students, allowing greater collaboration with interactive whiteboards, enhance teacher modeling with doc cameras, expand technology course capabilities with CNC router, support upper level science courses with Vernier Data collection devices and expand presentation space and quality for students and staff.
- b. Expand student learning inside and outside the classroom
 - i. GAFE similarly makes learning inside and outside the classroom more engaging. Teachers have learned advanced uses of web based applications and taught each other in many occasions and venues: Google Classroom, Google Hangouts, Flubaroo, Khan Academy, Code.org., collaborative projects with GAFE and many more. Students and staff alike as well as parents report overwhelmingly positive learning enhancements with the 1:1 based on regular surveys. The SMART funds will increase this.
- c. Benefit Students with Disabilities and English language learners
 - i. Special Education staff were part of the district Technology Committee and as such have been an integral part of the development of the plan and for the strategic expenditure of additional funds with this SSIP. Special Education staff have been overwhelmingly pleased with the increase in engagement and learning of special education students with Chromebooks and GAFE. With the SSIP, we have budgeted for and hope to achieve greater access to the general curriculum and further increases in engagement and learning by purchasing adaptive technology.
- d. Contribute to the reduction of other learning gaps that have been identified within the district.

- i. Formative and summative assessment data are regularly reviewed (with the use of technology devices) and teachers submit regular instructional plans to ensure learning gaps are addressed with good first teaching. A robust RTI program is in place (with enhanced collaborative capabilities of technology) to plan for intervention of students with consistent gaps in learning. Technology is crucial in meeting individual student needs.
- e. *Note: The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the District's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"*

3. 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.

- a. GAFE provides a myriad of methods to improve communication and collaboration. Parents can access assignments and grades directly through the teacher and parent portal. GAFE offers easier communication with parents. In addition, we have offered and will continue to offer parent training in GAFE and Chromebooks to improve communication. Faculty access to their own device allows better home-school communication. Devices we provide can help parents access our student data management system. Students regularly collaborate with each other and with teachers through use of GAFE which is cloud based so they can collaborate on documents, presentations and sheets real time from anywhere within our closed district intranet. Some teacher have even used Google Hangouts to include absent students in instruction. Further interactive whiteboards will be used to enhance the collaborative features of Chromebooks by their ability to link all the devices in the room so the teacher can demonstrate and also see what each device is working on to keep all on task.

- 4. 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)
- a. All Staff and faculty and administration were offered training both basic and advanced on GAFE and advanced features in PD throughout Summer 2014 through Summer 2015, including multiple PD opportunities in 14-15 with Conference Days devoted to instructional technology and teachers teaching teachers strategies to improve teaching and learning. Ongoing PD continues in online and as needed formats this year. With new purchases, training will continue to be offered - we have a Google certified trainer on staff who will work with groups of faculty and staff to train them during the school year and in summer. In addition we will once again offer a Google NYSCATE Summer camp for all staff in Summer 2016.
 - b. Sales reps from interactive whiteboard companies will offer PD as follow up. We are also considering purchasing online, on-demand PD software (outside of SSIP funds) for teachers to maximize use of technology
- 5. 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.**
- a. This was held on October 15, 2015. Information from that plan is incorporated into PD plans. In addition we have on staff a teacher who teaches at this teacher prep SUNY (SUNY Geneseo) as adjunct faculty.
- 6. 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 as 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.**

- a. The District maintains an extensive replacement plan for all areas of technology and this replacement plan was used in developing this plan. In developing the district’s SSIP we looked at how best to leverage state aided hardware funds, BOCES aid on technology purchases, and maintaining a consistent overall technology budget amount supported by district funds. The SSIP will ensure the maintenance of our 1:1 for at least 7 years.
 - b. Professional Development is paid for out of our Curriculum Budget for staff PD and will continue to be funded from the District’s budget.
- 7. 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.**
- a. The Dansville School districts maintains inventory lists that are audited annually. In addition we maintain a device replacement plan for all technology devices. Two IT support personnel maintain devices in good working order, and track damages. Additional staff support distribution and recollection.
- 8. 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.

	Suballocation
Interactive Whiteboards	\$50,000
Computer Servers	
Desktop Computers	
Laptop Computers	\$750,000
Tablet Computers	\$40,000
Other Costs	\$129,751
Totals	\$919,751

- 9. Other costs are for assistive technology devices, enhanced projection, equipment for Science and technology classes, networked printers

Pre-Kindergarten Classrooms:

- 1. Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.**
 - a. Currently 70 students are housed in 4 classrooms. Additional space would be utilized to provide OT/PT services to PK students
- 2. Describe the district's plan to construct, enhance, or modernize educational facilities to accommodate pre-kindergarten program. Such plans must include:**
 - a. **Specific descriptions of what the district intend to do to each space**
 - i. convert office space to Pre-K OT/PT space
 - b. **An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;**
 - i. current space meets the requirements for Pre-K classrooms but doesn't provide additional space for related services
 - c. **The number of classrooms involved;**
 - d. **The approximate construction costs per classroom; and**
 - i. Approximate cost is \$200,000
 - e. **Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements**
 - i. Space under consideration is district owned.
- 3. SMART Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.**
 - a. OT/PT support space will be provided for in UPK grant funds
- 4. All Plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their SMART Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning**
 - a. **Project Number:** Not yet submitted
- 5. If you have made an allocation for Pre-Kindergarten Classrooms, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

	Sub-Allocation
Construct Pre-K Classrooms	
Enhance/Modernize Educational Facilities	\$200,000
Other Costs	
Totals	\$200,000

6. Please specify what is included under Other Costs above

Replace/Modernize Transportable Classrooms: N/A

High-Tech Security Features:

- 1. Describe how you intend to use SMART Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**
 - a. Install security cameras at strategic locations across campus.
 - b. Enhance security office in the HS. This may require remodeling current space. This has not yet been determined
- 2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their SMART School Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning**
 - a. **Project Number** - N/A, not yet determined if this will require Office of Facilities Planning Review
- 3. Was your project deemed eligible for streamlined Review?**
 - a. Not yet determined
 - b. **3a - Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.**
- 4. Include the name and license number of the architect or engineer of record.**

a. N/A at this time

5. If you have made an allocation for High-Tech Security Features, complete this table. Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	
Main Entrance Electronic Security System (Streamlined Review)	
Main Entrance Entry Control System (Streamlined Review)	
Approved Door Hardening Project (Streamlined Review)	
Other Costs	\$150,000
Totals:	\$150,000

6. Please specify what is included under Other Costs Above:
- a. Completion of installation of Security Cameras from former Capital Projects
 - b. Enhance Security Office in HS

From the Dansville Technology Plan:

- I. Instructional Technology Goals
 - A. Monitor, Direct and Manage Comprehensive Computer Technology Integration
 - B. Build Upon and Advance Student, Teacher, Administrator and Community Technology Skills, including increased Engagement and Digital Infusion
 - C. Advance Plans for Technology/STEM opportunities
 - D. Infuse and Advance Digital Integration, moving toward less reliance on paper
 - E. Define, Plan and Promote Digital Citizenship

II. Contact for Comments

**1. Paul Alioto, Superintendent - 284 Main Street,
Dansville, NY 14437 - 585-335-4000, Ext 2303**

Other:

- I. DCS Technology Plan and SMART Bond Act Survey
 - A. <http://www.dansvillecsd.org/departments.cfm?subpage=1152621>
 - B.
- II. Stakeholder Outreach
 - A. Requirements
 - 1. Preliminary Plan with input from all stakeholders approved by BOE and posted on website for 30 days
 - 2. SMART Investment Plan approved by BOE with open forum advertised, posted on website for 30 days prior to NYSED approval
 - B. Community
 - 1. Community Open Forum
 - 2. BOE Meeting
 - C. Teachers & Staff
 - 1. Tech Committee
 - 2. Grade Level and Faculty Meetings
 - 3. Facebook
 - D. Parents
 - 1. PTO
 - 2. BOE Meeting
 - 3. Facebook
 - 4. Friday folders
 - E. Board of Education
 - 1. Preliminary submitted first to BOE with Public Hearing and vote
 - F. Students
 - 1. email -
 - 2. Friday folders