

*SULLIVAN WEST CENTRAL SCHOOL
DISTRICT*

PRELIMINARY SMART SCHOOLS

INVESTMENT PLAN

JANUARY 2016

Application 1



Sullivan West Central School District

HOME OF THE BULLDOGS

*PRELIMINARY SMART SCHOOLS
INVESTMENT PLAN
JANUARY 2016
Application 1*

TABLE OF CONTENTS

Contents

SWCSD Board of Education.....	3
Central Administration	3
Technology Development Committee	3
Smart Schools Bond Act (SSBA)	4
Network Upgrades (BROADBAND AND WIRELESS)	5
Use of Funds to Support High-Speed Broadband and Wireless Connectivity.....	5
District Instructional Technology Plan	5
Professional Development.....	6
Safety and Security	6
Inventory Management	6
Please direct any questions or comments	6

*PRELIMINARY SMART SCHOOLS
INVESTMENT PLAN
JANUARY 2016
Application 1*

SWCSD Board of Education

Mary K. Scheutzow, Board President	Lucas Arzilli, Member
Rose Joyce-Turner, Board V-President	Rachel Brey, Member
Ken Cohen, Member	Joan Glase, Member
Ralph Huggler, Member	Kathleen Meckle, Member
Trevor Peachey, Member	Timothy Jacobson, Student Member

Central Administration

Dr. Nancy M. Hackett, Superintendent
Dr. Joanne W. Lane – Assistant Superintendent for Student Services
Lorraine Poston, Assistant Superintendent for Administrative Services
Elizabeth Huggler, Chief Technology Officer CTO

Technology Development Committee

Lucas Arzilli, Board Member	Michelle Musetti, Library/Media Specialist
Elizabeth Huggler, CTO	Maureen Cookingham, Teaching Assistant
Sohail Raikhy, Technology Consultant	Elaine Durkin, Student Member
Gary Reno, Technician	Gabriel Corcillo, Student Member
Sheri Meyer, Technology Support	Ryan Tampone, Alumni Member
JoAnn Mullally, Technology Teacher	Dawn Feinman, Community Member
Dorothy Grecco, HS Teacher	
Kathy Tampone, ES Teacher	

**PRELIMINARY SMART SCHOOLS
INVESTMENT PLAN
JANUARY 2016
Application 1**

Smart Schools Bond Act (SSBA)

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 improved educational technology and infrastructure to improve learning and opportunity for students throughout the State.

All District plans approved by the school board and submitted to the New York State Education Department must meet the required elements including demonstrating students' needs, minimal speed requirements for internet connectivity, professional development, technical support, and sustainability. As part of the process, districts are required to submit a District Instructional Technology Plan survey in compliance with the Education Law and Commissioner's Regulation. The Instructional Technology Plan survey outlines the current and future plans of the district as it relates to infrastructure, devices, staffing, and professional development to improve teaching and learning. The Instructional Technology plan was approved by New York State Education Department in September 2015.

This PRELIMINARY SMART SCHOOLS INVESTMENT PLAN was developed and presented to the school board for approval at regular public meeting held on January 21, 2016 for approval. Once the preliminary plan was approved by the school board, it was posted on the district website and a public hearing was conducted on February 18, 2016, to enable stakeholders to respond to the preliminary plan. After the hearing, the school board approved the plan. The approved plan will be submitted to the New York State Education Department and will be posted on the district website. The planning process will include consultation with parents, teachers, students, community members, non-public schools located in the district, and other stakeholders.

The district has been allocated \$1,244,987. At this time the district is seeking approval of \$735,351 in the budget categories outlined below.

Category	Projected 2015-16
Network hardware (MDF, Switch, SAN, controller, access pts)	500,000
STREAM Classroom	75,000
Wireless Network	145,351
Safety and Security	15,000
	735,351

*PRELIMINARY SMART SCHOOLS
INVESTMENT PLAN
JANUARY 2016
Application 1*

Network Upgrades (BROADBAND AND WIRELESS)

The Sullivan West CSD wants to ensure that it can support all its students, teachers and administrators with a robust, reliable and secure high-speed network infrastructure for wired and wireless access. The District wants to use the Smart Schools Bond funds to build out a network that will enhance connectivity to the digital world of the internet.

The Sullivan West CSD has 1242 students, which based on the state standard, means a 1Gb connection speed is required (100Mb x 10 = 1,000 Mb). The District currently has an 80 Mb internet connection and plans to upgrade to a 1Gb connection by July 2017.

Use of Funds to Support High-Speed Broadband and Wireless Connectivity

Critical to expanding the network infrastructure will be adding the following key capabilities:

1. upgrade all the intermediate distribution frame (IDF) closets, switch replacement, in the district, to 10G;
2. provide both additional and upgraded wireless access points throughout the District to provide wireless coverage in buildings and sufficient wireless bandwidth capacity per access point in classrooms to allow for large-scale use. Additionally, add wireless controllers for access points, and outside wireless capabilities for select school buildings;
3. replace uninterruptible power supply (UPS) backup battery systems in every wiring closet to protect sensitive network equipment from power surges and brown-outs, as well as to ensure network connectivity in the event of a power outage.

District Instructional Technology Plan

The Smart Schools Bond investment will allow us to expand learning opportunities for all our students. This funding is directly linked to and supports our District Instructional Technology Plan.

Some of the major initiatives in our Technology Plan are:

1. new Bring Your Own Device (BYOD) policy for staff to increase communications between parents and staff, as well as provide real-time information on students for teacher-parent-administrator discussions;
2. the creation of a Science Technology Research Engineering Art and Math (STREAM) classroom in the elementary and high school;
3. add mobile devices to reinforce student academic skills through the use of Office 365 for Education and providing expanded curriculum applications for differentiated instruction;
4. replace outdated classroom equipment to support learning and allow more web access for staff and students to enhance teaching and learning.

Mobile devices are a valuable part of differentiated instruction. Teachers will be able to access mobile devices in the building to deliver interactive lessons. By using Windows applications and Office 365 for Education to complete assignments, students will be able to collaborate with their classmates and the teacher.

*PRELIMINARY SMART SCHOOLS
INVESTMENT PLAN
JANUARY 2016
Application 1*

Professional Development

On-going professional development is critical to the success of our staff and students. The district provides a wide range of professional development each year for our teachers, teaching assistants, support staff and administrators. The training includes interactive boards and smart notebook, document cameras and projectors, Microsoft products, and Apps. The technology department coordinates ongoing “Tech Tuesday” sessions addressing district supported web-based applications that can be integrated into curriculum and instruction. The District strongly believes that both the instructional leadership staff and the technical support staff need higher-level professional development in order to continue in their roles. The District is committed and will continue to provide professional development on an on-going basis to the staff to allow them to utilize the technology tools and resources in the most effective manner possible.

Safety and Security

CISCO Safety and Security platform to monitor both access control and approximately 45 IP cameras. With the Smartbond funding the district is planning on upgrading and adding cameras, to both the interior and exterior of the schools, with the primary goal of being able to track a potential intruder’s movements throughout the school.

Inventory Management

The District has a new distribution and inventory management system in place. This system will maintain a detailed inventory of all technology in the district including purchases made through Smart School funds.

Please direct any questions or comments

Smart Schools Investment Plan
Sullivan West Central School District
33 Schoolhouse Rd.
Jeffersonville, NY 12748
Elizabeth Huggler, CTO
hugglereli@swcsd.org