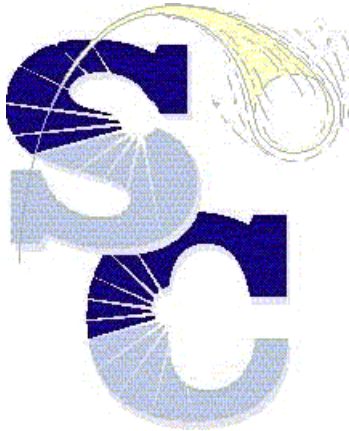


Sandy Creek Central School
Smart Schools Investment Plan 2017



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. Sandy Creek Central School District has been allocated a total of \$1,306,298.

The funding must be used in the school district in any of four core areas:

1. Increase in bandwidth or connectivity
2. Classroom equipment
3. Infrastructure
4. High Tech Campus Security

Bandwidth or Connectivity

The minimum bandwidth recommended by NYSED for campuses is 100 mbs per 1000 students. The SCCS District currently contracts with OCM BOCES (Central New York Regional Information Center) for 100 mbs with the ability to increase on demand as needed. Our current enrollment is approximately 840 students. We exceed the minimum bandwidth requirements. These requirements are set in place to accommodate future requirements in CBT (computer based testing) and the large amount of web based software and multi media currently used in the classroom.

The internal connectivity in the district depends upon the servers and switches servicing the classroom and the wireless access points. The equipment in these closets (switches) are due for an upgrade in 2017. The local technology funding this year is dedicated to providing new switches which have POE (power over ethernet). These type of switches will be necessary for the anticipated security equipment under discussion below.

Classroom Equipment

The SCCS District has been following a 3 year replacement cycle for desktops, laptops, other mobile devices and peripheral equipment utilizing local funds. This cycle has been described in our Technology Plan and the district provides the funding through its annual budgeting process. As such, the current classroom equipment exceeds all minimum requirements set forth by NYSED for all computer based testing, including 3-8 assessments and NYSA testing.

Infrastructure

The SCCS District currently has adequate capacity for all scheduled classrooms. There is no anticipated enrollment increase that would create a classroom shortage, therefore no new infrastructure costs are anticipated in the near future.

High Tech Security

The SCCS District utilizes a video surveillance system as well as restricting access to three main entry points. These entry points are staffed and all visitors are screened through the Raptor security system via drivers licenses or other forms of ID. Entry to all access points is via lock/key and any/all doors can be used at any time with the appropriate key. Our public address system currently does not allow an all campus notification from a single access point and does not broadcast adequately to the school grounds outside of the building. Classroom communication is limited and bidirectional communication is only available through an older analogue corded phone system that experiences frequent issues.

The video system uses a number of analogue cameras which require a large amount of bandwidth and storage. This limits the number of viewing stations and the length of storage. The control and access system is also experiencing frequent outages and needs constant maintenance to keep it functioning.

The SCCS District proposes to use SSBA funds to install an upgraded video surveillance system which will employ all digital IP cameras. All internal and external existing cameras will be replaced as well as increasing the number of cameras to increase coverage in several areas. We also propose to install four servers to increase storage capacity as well as authorized access from multiple locations.

The SCCS District also proposes to utilize SSBS funds to install a door access system based on ID cards created in the district. This system will allow for much greater control and monitoring during non-school hours. The current restricted and manned access with Raptor security will be maintained during school hours. The district will also deploy a door monitoring system to quickly check the integrity of ALL access points within the district.

The SCCS District also proposes to install a classroom notification/clock system and IP phone system in each classroom as well as common areas. These systems will allow for single point notification (including mobile) and communication. The management solution will allow much greater control and enhanced communication to the entire campus as well as individual classrooms. The phone system will allow much better monitoring and integration with the other security systems.

Cost Estimates

Description	Cost Estimate
IP Camera upgrade and installation	\$379,510
Door Access and Control Equipment and Installation	\$54,601
Campus Notification/Clock Equipment and Installation	\$370,612
IP Communication	\$248,294
Total	\$1,053,017

The SCCS District has been allocated \$1,306,298 through the SSBA. This SSIP will use the majority of these funds. Whatever funds that remain after this project will still be allowed for expenditure in any of the four designated funding areas.