

WILLIAM FLOYD SCHOOL DISTRICT



SMART SCHOOL INVESTMENT PLAN

PHASE 5 – CABLE + NETWORK EQUIPMENT

240 MASTIC BEACH ROAD
MASTIC BEACH, NY 11951

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SMART SCHOOL INVESTMENT PLAN

PHASE 5 – COMMUNICATIONS AND HIGH-TECH SECURITY

OVERVIEW

The SMART SCHOOLS BOND ACT was passed in the 2014-15 New York State-enacted budget and approved by the voters in a statewide referendum held during the 2014 General Election on Tuesday, November 4. This bond act 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.

William Floyd's portion of this funding is \$10,398,033. The bond has four areas of focus:

1. Install high-speed broadband or wireless internet connectivity for schools and communities
2. Acquire learning technology equipment or facilities
3. Pre-kindergarten programs and/or replace classroom trailers
4. Install high-tech security features in school buildings and on school campuses

In collaboration with teachers, administrators, parents, and community members, our district has chosen to concentrate on increasing our internet connectivity, acquiring additional learning technology equipment and installing high-tech security features. ***This document provides the district's phase 5 recommendations for use of these funds for installing new cable and updating our wiring closets to improve our network backbone.*** As required, all district plans will be presented in a public hearing followed by a 30-Day public review and comment, and ultimately, approval by the Board of Education. The plan will then be submitted to the New York State Education Department for final acceptance. School Investment Plans must meet the requirements of demonstrating a rationale for students' needs, preparing

for minimal speed requirements for connectivity, providing professional development and appropriate technical support, and long-term sustainability.

RATIONALE

The William Floyd School District is committed to providing all of our students with a high-quality education. It is our mission to achieve a learner-centered, nurturing, safe environment that empowers students and teachers with the ability and desire to thrive as life-long learners. To achieve this requires a commitment to and investment in the technologies required to improve instruction and ensure our students' and staff members' security. We are committed to the ideal that safety is paramount to successful learning environments.

Our long term strategy is multifaceted:

- ***Rebuild our technology infrastructure to future proof our network capacity***
- Improve and integrate our security and communication systems
- Increase our teacher aptitude for the integration of technology
- Improve our students' access to technology
- Develop classroom spaces that foster collaboration and critical thinking

To accomplish these long-term goals, the fifth phase of our Smart School Investment Plan will be focused on improving our network infrastructure by replacing copper and fiber optic cables and upgrade wiring closets used to service our district wide network. Our current cable and wiring closets are aging and have limitations that have been identified. Addressing these limitations will allow the district to increase the speed and resiliency of the network and tie in with prior smart school plans to ensure a successful implementation.

PROJECT OUTLINE

We will evaluate each wiring closet and the respective cabling for replacement. As appropriate, we will be replacing copper cable that feeds classrooms, meeting rooms, and office spaces across the district. We will also be replacing fiber optic cables that connect the adjacent buildings and wiring closets. As needed, wire management systems, network cabinets, switches, UPS, and cooling systems will be replaced. These upgrades will provide a robust network to ensure reliability and speed improvements to better

serve students and district employees.

PROFESSIONAL DEVELOPMENT

The William Floyd School District is committed to ongoing professional development for teachers, administrators and staff. This phase of our Smart School Bond does not require additional professional development as it is backend infrastructure related. Professional Development is offered in other Smart School plans as needed.

TECHNICAL SUPPORT

The William Floyd Technology Department is made up of a director of information management, webmaster, network administrator/programmer, professional developer and four contracted technical support personnel. In addition, the project will be a partnership with our facilities department.

BUDGET

The district’s plan to fund these projects is to use general budget funds and Smart Schools Bond funding to accomplish our goals.

	Smart School Bond
Total WFSD Allocation	\$ 10,398,033
Phase 1 - Infrastructure & Core Network	\$ 2,000,000
Phase 2 - Network Equipment for Wireless Upgrade	\$ 230,016
Phase 3 - High-Tech Security & Cameras Part 1	\$ 2,100,000
Phase 4 - High Tech Security & Communications Part 2	\$ 3,000,000
Phase 5 - Cable and Wiring Closet Updates	\$ 2,126,745
<i>Remaining Funds</i>	\$ 1,171,288

SUSTAINABILITY

The Board of Education of the William Floyd School District has demonstrated consistent financial support for the upgrade of our network systems within our district. In preparation for our Smart School Investment Plan, our district consulted with teachers, principals, security personnel, administrators, and parents to determine needs and long-term plans for technology. This fifth phase of our Smart School Bond project will provide us with the network infrastructure to support other Smart School projects in all of our buildings. The hardware, software, and wiring proposed in this plan will integrate with each other and our existing systems. This redesign of infrastructure falls within our current budgetary allotment for ongoing support.

To submit feedback, please email webdev@wfsd.k12.ny.us