

# Worcester Central School

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## Final Smart School Investment Plan

March 21, 2017

### Worcester Central School Technology Committee

Kyle Fabiano, Network Administrator  
Kimberlea Curran, Secondary Principal  
Jessie Westfall, Elementary Principal  
Elizabeth Perrillo, Parent/Community Member  
Alison Gridley, Teacher  
Sandra Knapp, Teacher  
Sebastian Fredette, Student  
Parker Sheldon, Student  
William Diamond, Superintendent

**Smart Schools Investment Plan Overview:**

The Smart Schools Bond Act was passed in 2014 by a state-wide referendum. The Smart Schools Bond Act (SSBA) supports educational technology and infrastructure to improve teaching and learning. It focuses on six main areas of funds:

1. construct or modernize educational facilities for pre-kindergarteners;
2. install high-speed broadband or wireless;
3. community connectivity;
4. replace transportable classroom;
5. install high-tech security features; and
6. acquire technology equipment.

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 October, 2016,

The current Smart Schools Investment Plan is scheduled to be presented to the school board on January 25, 2017 for approval. Once the preliminary plan is approved by the school board, it will be posted on the district website and a public hearing will be conducted to enable stakeholders to respond to the preliminary plan. After the hearing, the district will prepare a final plan for school board approval.

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, any non-public schools located in the district, and other stakeholders.

**Smart Schools Investment Plan Timeline:**

- January 25, 2017 - Preliminary Smart Schools Investment Plan approval by BOE
- Plan posted on the website beginning January 26, 2017 (minimum of 30 days required)
- March 21, 2017 - Public hearing to present Preliminary SSIP
- March 21, 2017 - Final SSIP anticipated approval by BOE
- March 27, 2017 - SSIP submitted to the New York State Education Department (NYSED)
- Final plan posted to district website upon NYSED approval

**Smart Schools Investment Plan:**

**Total Allocation: \$164,182.03**

<b>Project</b>	<b>Estimated Cost</b>
School Connectivity/Infrastructure	\$18,452.58
Classroom Technology	\$140,650.62
Security	\$5,078.83
<b>Estimated Total</b>	<b>\$164,182.03</b>

**School Connectivity/Infrastructure:**

- **Replace network switches**  
The District's network currently operates on a network supported by network switches that have surpassed their recommended life expectancy. To ensure the network's reliability, 13 network switches will be replaced.
- **Replacement and addition of wireless access points**  
While the current wireless network provides acceptable coverage, wireless nodes are failing and have surpassed their reasonable life expectancy; newer technology demands have also surpassed capabilities of wireless nodes. 30 wireless nodes will be replaced, bringing the complete wireless network into full functionality.

**Classroom Technology:**

- **Student Devices**  
Begun in 2013, the District's 1:1 Chromebook initiative has facilitated learning both inside and outside of traditional classroom spaces. Students and teachers "share" homework and related discussions in a virtual classroom environment that extends both traditional classroom spaces and school day parameters. SSBA funds will extend this initiative through updated devices and corresponding management software. Laptops for two (2) mobile laptop carts will also be updated.
- **Instructional Technology**  
Classroom projectors will be updated in those classrooms where such projection is preferred to interactive projectors, and interactive projectors will replace aging peripherals.

**Security:**

The current security camera system is failing and has, in many locations, failed. Operable cameras offer a low-level resolution, have many blind spots, provided very limited scope, and video servers are failing or have failed. The number of cameras will be increased, upgrading to cameras with industry-standard performance capabilities. A new server will ensure the availability of stored video and both authorized school and law enforcement personnel will have remote access to the system in case of an emergency.