

Smart Schools Bond Act

History

- Passed as part of New York State's 2014-15 Budget
- Approved by voters in a statewide referendum on November 4, 2014
- Details on the process to access the money were released by NYS Education Department in Spring 2015
- Victor Schools allocation is \$1,613,312
- Allocation can be spent across multiple years

Allowable Expenditures

- Install high-speed broadband or wireless internet connectivity for schools and communities;
- Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers;
- ~~Construct, enhance, and modernize educational facilities to accommodate pre-kindergarten programs and to provide instructional space to replace classroom trailers; and/or~~
- Install high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls.

- Smart Schools bond act money can be used for three purposes; technology, safety and security, and to build PreK classrooms
- VCS has ample PreK classroom space so VCS will be spending the money on technology and safety/security

Victor's Process

- Technology Committee developed a list of items for the Smart Schools' money
- Safety Committee developed a list of items for the Smart Schools' money
- The two lists went to the Smart Schools committee
- The Smart Schools Committee
 - Added items to the list
 - Removed items from the list
 - Developed a prioritized list which was been recommended to the Superintendent
 - The Superintendent is recommending this list to the Board of Education

- The Smart School Committee met in October, November, and December and finalized the list at the December meeting

Smart Schools Committee

Chris Barnard	Melissa Goho	Peter Merges
Allan Bennett	David Henderson	Regina Muscarella
Pam Buresch	Chris Levy	Yvonne O'Shea
Christina Burke	Michele Linse	John Palomaki
Cody Burrows	Randy Magiera	Eric Pasho
Jennifer Check	Brad Malone	Jill Pollack
Krista Cooper	Michele Maloney	Kristina Sykes
Keri Curtis	Chris Marshall	Chris Wuest
Maggie Elliott		

- The Smart Schools Committee consisted of teachers, administrators, students, parents, and members of the community

Timeline

Milestone	Date
Technology plan approved by NYS	July 8
Smart Schools committee approved plan on how the money will be spent	December 15
Approval by Board of Education of initial Smart Schools investment plan	January 13th
Smart Schools investment plan posted to the district website	January 14th
Public hearing on Smart Schools investment plan	March 3
Final approval by the Board of Education	March 3
Smart Schools application submitted to NYS	March 4
Work commences	Summer 2016

Why Upgrade Wireless?

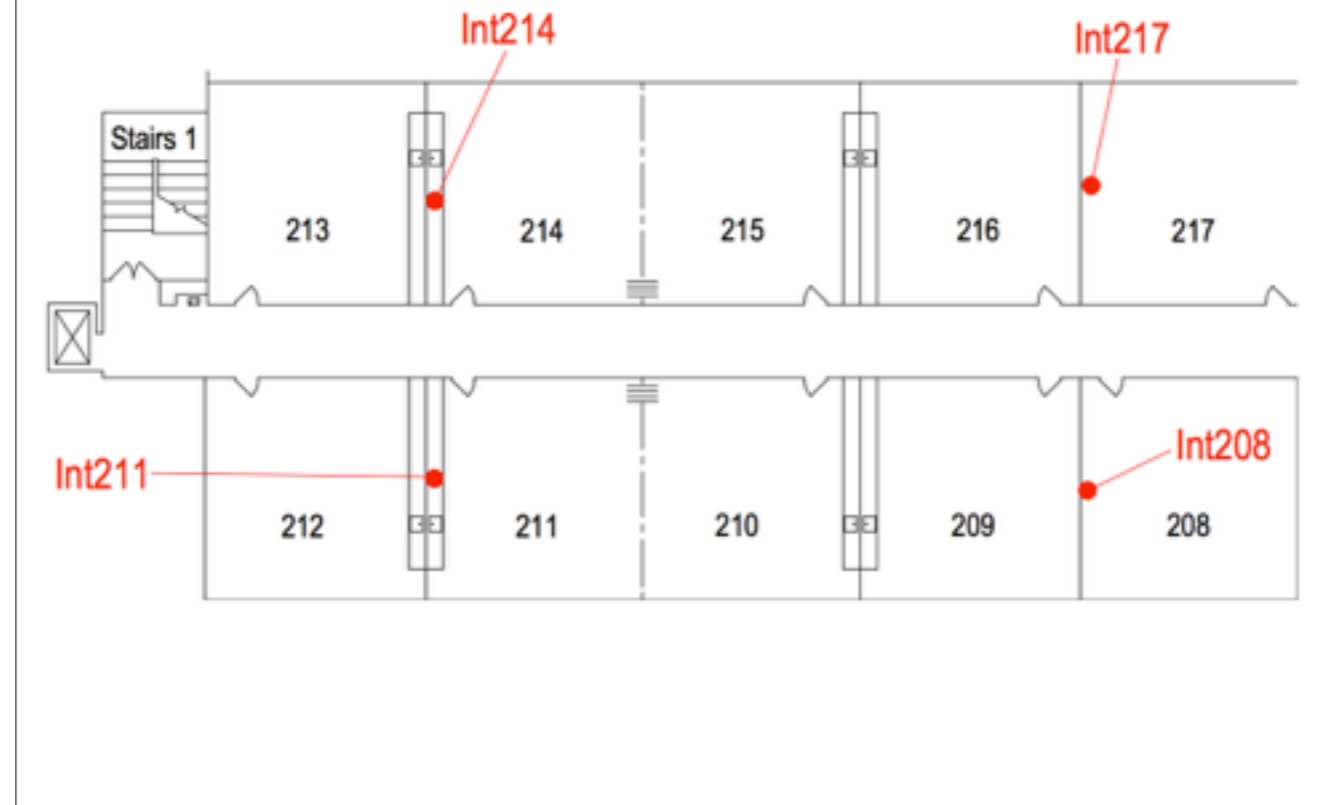
- Throughput
- Coverage
- Density

WiFi History

Year	Students	Indoor Space ft ²	Number of APs	Wireless Speed Mbps	District Wireless Devices	Personal Wireless Devices
2007	3,753	700,000	186	25	454	0
2009	3,997	725,000	186	50	826	0
2015	4,505	800,000	206	50	1,740	2,300
Upgrade			300+	200		

- The number of wireless devices has exploded and will continue to grow
- By summer 2016 our existing wireless network will be 7 years old

Coverage & Density



- Our current wireless network was designed for coverage which means, I can stand anywhere in one of our buildings and get a wireless signal
- The new wireless network will be designed for density which means can our wireless network handle classrooms full of students all using a wireless device
- The floor plan shown is where the current wireless access points are located on part of the second floor in the Intermediate School. There is ample coverage but if students in rooms 211 through 214 were all using wireless devices at the same time their experience would be poor. There are not enough wireless access points and they are not new enough to handle this load

Upgrade Wireless

- Speed - four fold speed increase
- Coverage - plug a few dead areas
 - Pool lobby and viewing area
 - Stairwells
 - Softball cloverleaf
 - Varsity baseball field
- Density - be able to handle higher densities
 - More rolling carts
 - More personal devices
 - Online testing
 - I:1 if Victor ever chooses to go this route

- New wireless access points are 4 times faster than Victor's current ones
- We have a few areas right now that have no wireless coverage. These will be covered with the new wireless network
- A new wireless network will be able to handle very high densities of wireless devices

Wireless Costs

Item	Cost
Wireless Access Points, Controllers, and Software	313,530
Wiring	308,000
Switches	82,500
Site Survey and Design	125,000
Total Wireless	829,030

Project Costs

Item	Cost	Suggested Priority	Summer 2016
Wireless	829,030	1	Y
Storage	200,000	1	Y
End user devices	200,000	2	Y
Entry way security upgrades	44,500	1	Y
Visitor badge system	40,000	1	Y
Video surveillance cameras	350,000	2	Y
Interactive displays	200,000	3	
Servers	100,000	2	
Projector replacements	100,000	2	
Two way radio system upgrade	78,000	3	
Science probes	20,000	3	
Total	2,161,530		

- Storage is centralized where all staff and students save files and folder
- End user devices are laptops and tablets for student use
- Our current interactive display brand is Smartboard