Preliminary Smart Schools Investment Plan (SSIP)

Introduction

The Smart Schools Bond Act (SSBA) authorized (in 2014) 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.

Frewsburg CSD Allocation amount: $890,103

# Allowable Expenditures by Category

Available Categories:

- Installing High Speed Broadband/Wireless Internet Connectivity
- Installing High Tech Security Features in School Buildings/Campuses
- Acquiring Learning Technology Equipment
- Provide Space for Pre-K Classrooms/Replace Trailers - N/A

Infrastructure Needs & Priorities

- Dual Core-Manages high speed connection to District (Green)
- Switches-Connect classrooms to servers/cloud (Yellow)
- Internal Fiber/Wireless -6A- Delivers higher speed to student devices
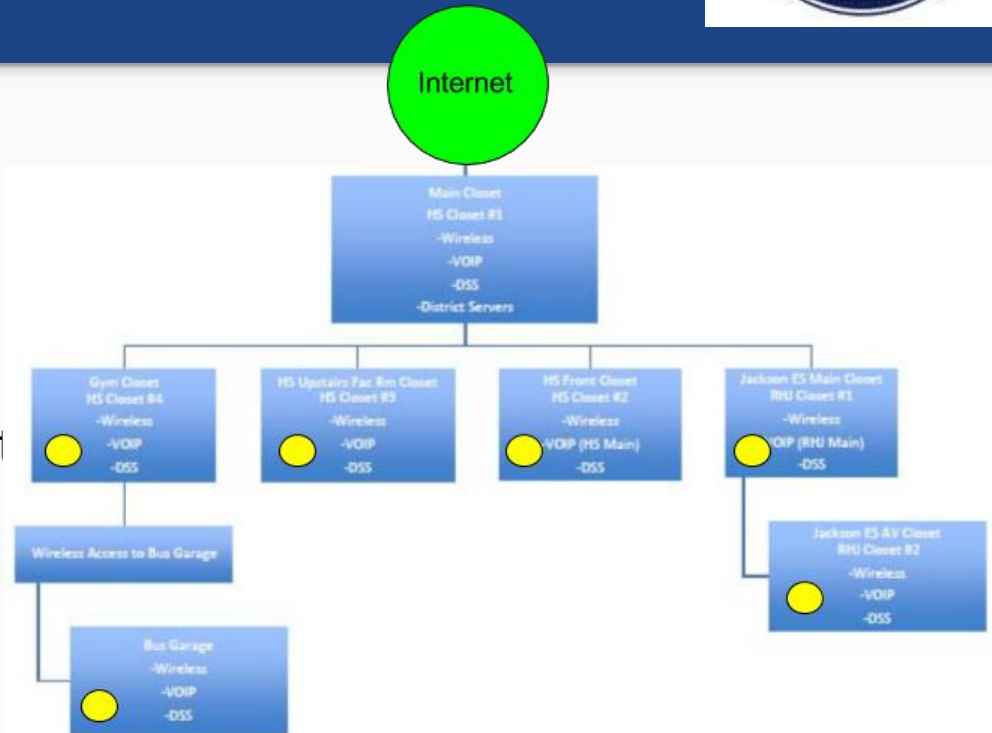
Curriculum Vision Priorities

- Technology integration should <u>support and enhance</u> curriculum at all grade levels PK-12.
- <u>High quality professional development</u> focusing on digital resources that complement/extend the curriculum.
- Technology integrators will assist teachers in challenging and supporting <u>all learners</u>.
- Cultivation of a <u>blended learning</u> environment to <u>personalize learning</u> by utilizing digital content in differentiation of instruction.

Curriculum Continued

- Extend student opportunities in Science, Technology, Engineering, Art, and Mathematics.
- Prepare students for careers in the evolving 21st Century workplace by focusing on the development of an updated Industrial Arts Curriculum and enhancement of Performing Arts Opportunities.

STEAM Academy

Students in grades 7 & 8 will participate in ten week courses designed to meet the 1 ¾ credits required for middle level. Students will be involved in a project from beginning to end with collaborative opportunities to work with the team.

- Vitello-Graphic Arts & Design
- Melquist-Marketing/Promotion/Financial
- Collver-Team Building/Leadership/Career Skills
- Swanson-Design & Production

RHJ STEAM Initiatives

RHJ students will have more access to technology as we move to a 1:1 initiative for the 2018-19 school year. Additional goals include;

- Mobile Makerspace cart development and PD on Makerspaces for teachers.
- First Lego League team(s) expansion.
- Odyssey of the Mind team(s) expansion.
- 3D printers integration into computer science curriculum.
- Development of a Robotics Coding curriculum.
- Hands on STEAM learning lab.

Using Cast for Classroom Collaboration

- Instead of using interactive display features, teachers and students "Cast" from their devices to present to the classroom as needed.
- This model can be fully realized using existing technology.
- As interactive displays reach end-of-life, we will replace with passive displays (LED flat panel displays).
- As classroom notebook computers reach end-of-life, we will replace with cheaper desktop computers or a casting host appliance (Chromebit/ChromeCast).

Enhancements to Performing Arts

- Addition of PTZ (pan-tilt-zoom) camera and control console to facilitate recording and streaming of performances/events in auditorium
- Opportunities for parents and family members to view live performances
- Increased experiences for students to participate in technical aspects of production through digital control interfaces

Funding Sources

1. Smart Schools Bond Act ($890,103)
2. eRate ($150 per student)
3. General Fund
4. Capital Project

SSBA Allocations

SSBA Project 1	Amount
STEAM	$300,000
Dual Core	$10,000
24 Switches	$60,000
4 Server Switches	$20,000
Server/Camera	$80,000
K-2 Devices	$120,000
Total	$590,000

Funding Sources

SSBA-Project 2
Fiber Between Closets $100,000 (estimate)
6/6a for Classroom $100,000 (estimate)

SSBA Allocations Continued

SSBA Project 1	$590,000
SSBA Project 2	$200,000
Total	**$800,000**

This leaves $90,103 for Round 2 Infrastructure Replacement.
(Priority= Switches $60,000)

Funding Sources

eRate
Access Points
3 Switches

Funding Sources

General Fund	Capital Project
Grades 3-6 Devices $120,000	---------
HS Pens $13,400	

Timeline

Date	Action	Comments
February 15, 2018	SSBA/Tech Plan Meeting	
April	Present the Tech Plan	Set Date
May 15, 2018	Tech Plan to Board (Reading)	
June 14, 2018	Board Adopt Tech Plan	
Early July	Apply SSBA	

Please direct questions and comments to…

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