

Smart Schools Investment Plan Task Force

January 17, 2017

Newfane Allocation

- \$1,670,935

Smart Schools Categories

- SCHOOL CONNECTIVITY
- CONNECTIVITY PROJECTS FOR COMMUNITY
- CLASSROOM TECHNOLOGY
- PRE-KINDERGARTEN CLASSROOMS
- REPLACE TRANSPORTABLE CLASSROOMS
- HIGH TECH SECURITY FEATURES

Smart Schools Categories

- **SCHOOL CONNECTIVITY**
- **CLASSROOM TECHNOLOGY**
- **HIGH TECH SECURITY FEATURES**

Investment Plan

- SCHOOL CONNECTIVITY. \$350,000.00
- CONNECTIVITY PROJECTS FOR COMMUNITY. \$0
- CLASSROOM TECHNOLOGY. \$905,000.00
- PRE-KINDERGARTEN CLASSROOMS. \$0
- REPLACE TRANSPORTABLE CLASSROOMS. \$0
- HIGH TECH SECURITY FEATURES. \$210,000.00

School Connectivity

- Materials and supplies necessary to create wireless network in all buildings-

\$200,000.00

- Installation costs.

\$150,000.00

\$350,000.00

Classroom Technology

- Interactive Whiteboards. \$360,000.00
- Desktop Computers. \$200,000.00
- Tablet Computers. \$345,000.00
- Total. \$905,000.00

High Tech Security Features

- Telephone System replacement
and upgrade to a VOIP system \$210,000.00
- Total. \$210,000.00

Smart Schools Grant

• Total Grant	\$1,670,935.00
• School Connectivity	-\$350,000.00
• Classroom Technology	-\$905,000.00
• <u>High Tech Security</u>	<u>-\$210,000.00</u>
• Unspent Portion	\$205,935.00

(unspent portion remains available to us for future use)

Implementation in 3 "waves"

- Wave 1- Infrastructure Improvements
- Wave 2- Building Instructional Capacity
- Wave 3- Complete implementation of 1:1 capacity in the instructional environment

Wave 1:

Infrastructure improvements

- To utilize our currently existing wire-based infrastructure to create and install a wireless network throughout all our buildings capable of meeting campus-wide demand coverage with the capacity to support a one to one computing environment.
- To utilize existing wire-based telephone infrastructure to replace existing systems with a VOIP telephone communications system.

Wave 1: Infrastructure improvements

- School Connectivity:
 - \$200,000.00- materials and supplies necessary to create wireless network in all buildings- access points (Aps), wire, brackets, licenses and support.
 - \$150,000.00- installation costs.

Wave 1:

Infrastructure improvements

- Classroom Technology:
 - Introduction of interactive panels both as replacements for Smartboards and in learning spaces currently without this technology.
 - Upgrade/replacement of desktop computers, where appropriate.
 - Implementation of a learning management system (Schoology?) and a cloud based data storage system (google apps?).

Wave 1: Infrastructure improvements

- High Tech Security Features:
 - Replacement of existing telephone system with high tech VOIP system.

Wave 2:

Building Instructional Capacity

- The focus of the second wave will be to provide all instructional staff advance access to the chosen devices and appropriate staff development to facilitate their use as an instructional tool in the classroom.
- An additional focus will be to identify grade levels and/or specific classroom locations for initial implementation of regular use of instructional technology.

Wave 2: Building Instructional Capacity

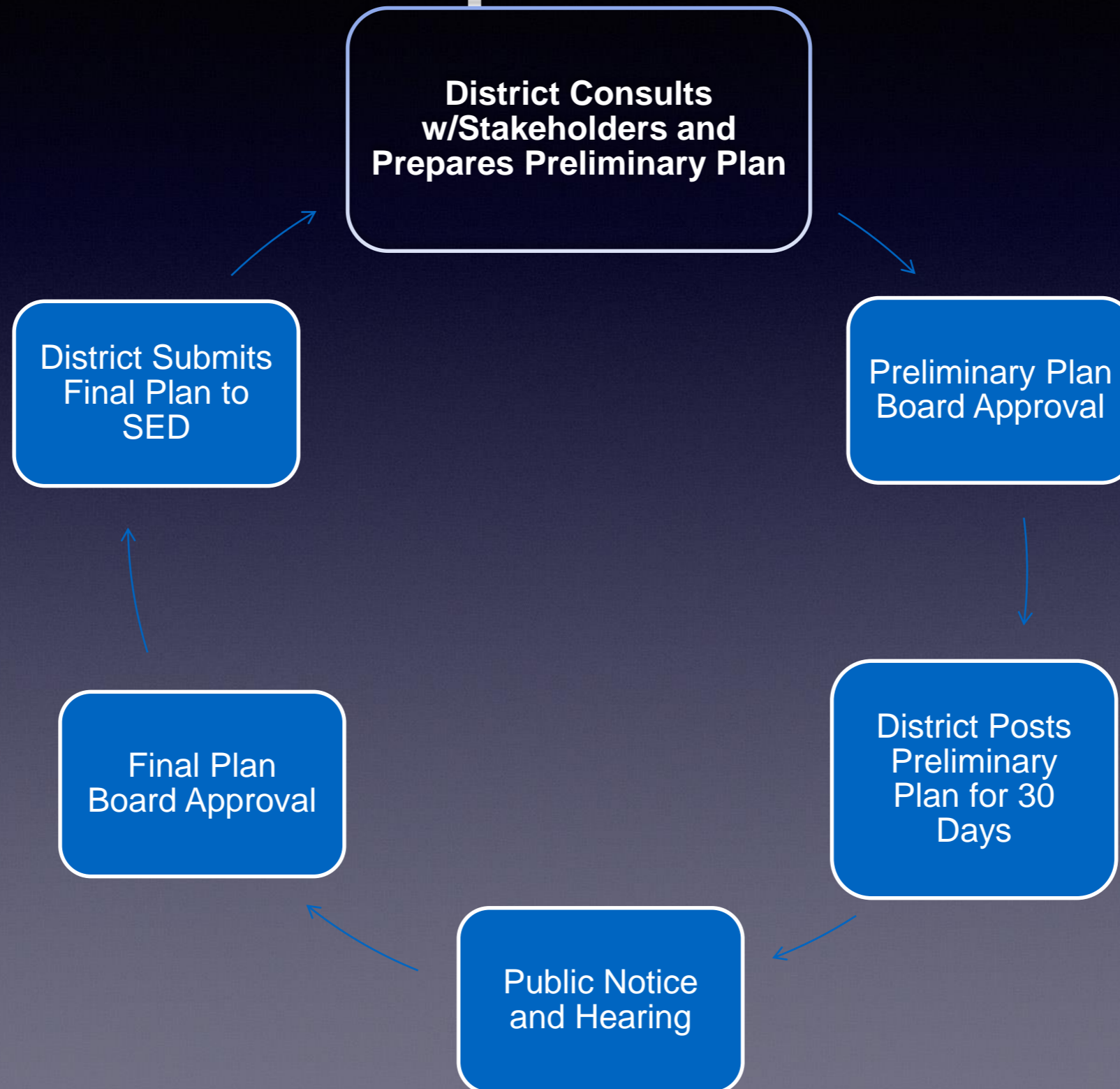
- Classroom Technology:
 - Provide all instructional staff with Chromebook-style computers and necessary staff development for appropriate utilization.
 - Provide each building with 2+ (30) unit mobile tablet carts to provide all teachers opportunities to practice instructional strategies using one-to-one computing.
 - Identify and equip grade levels/classrooms/ programs in each building to function as pilot/lab locations for instruction which capitalizes on one-to-one computing.

Wave 3:

Complete Implementation

- Continue upgrading classrooms with interactive panels and needed or where deemed necessary.
- Provide infrastructure and devices to accommodate a 1:1 environment in grades 5 -12 while increasing the access to technology for all students in grades PreK - 4.
- Ensure that all staff have ongoing professional development in the use of instructional computing appropriate to their content area/needs.
- Provide the appropriate level of technical support services to maintain the effectiveness of the increased technology.

Next Steps- Process



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- “Smart Schools Investment Plan” must be posted on the District website for 30 days;
- Prior to the February 21, 2017 Board meeting, we will hold a public hearing to give the public an opportunity to provide any feedback in person;
- The Board will be asked to adopt the Smart Schools Investment Plan at the February 21 Board meeting;
- The Plan will be submitted to SED the following day.
- Upon SED approval, we will begin the first wave of implementation.

Next Steps- Committee

- Selecting a learning management system
- Specific devices- tablets/boards/ desktops;
BYOD policy
- Identify best roll-out plan- grade level vs.
classroom
- Replacement cycle
- Provide for ongoing Technical Support

Comments, questions, concerns:

A public hearing concerning the Smart Schools Investment Plan will be held at 6:30 PM on Tuesday, February 21, 2017 at the Newfane Early Childhood Center, 6048 Godfrey Road, Burt , NY.

Or comments may be directed to Pete Young, Director of Curriculum, Instruction and Technology, at 778-6462 or at pyoung@Newfane.wnyric.org