HUNTINGTON UFSD PRELIMINARY SMART SCHOOLS INVESTMENT PLAN (SSIP)

MAY 9, 2016

WHAT IS THE SMART SCHOOLS BOND ACT?

- Proposal by Gov. Cuomo to fund technology and expand Pre-K throughout the state

- Voted on and passed in November 2014

- Huntington UFSD can apply for $1,407,121.00

PURPOSE

- Acquire learning equipment for facilities, i.e. Interactive Whiteboards, projection systems, devices

- Infrastructure upgrades, i.e. wireless, servers, storage, point-point connections, community connectivity

- Construct, enhance modernize facilities to accommodate Pre-K programs

- Install high-tech security features in school buildings, video surveillance, door access controls

REQUIREMENT TO ATTAIN FUNDING

- Submit three year district technology plan to the state

- Form a committee of stake-holders to create/review a preliminary plan

- Preliminary Smart Schools Investment Plan – Public Hearing

- Post Preliminary SSIP on the school website for 30 days for days for community comments

- Make adjustments to the plan if needed

- Post the final SSIP on the district website

- Submit the SSIP to NYSED for approval.

HUNTINGTON'S SSIP FOR CLASSROOM TECHNOLOGY

- Purchase Touchscreen Chromebooks for use in grades 3 through 5

- Re-distribute Chromebooks from those grades to 2nd, 7th, and HHS

- Touchscreen devices will be piloted for use with School4One, eliminating the purchase of math modules in those grades

- Purchase tablets for use in grades K-1. Purchase 6 per classroom per year for use as a center in classrooms

- Begin to replace our current Smartboards (approximately 265) with LED interactive whiteboards at the rate of 40 each year. LED boards require no projector/bulbs, have better resolution, do not require calibration, and allow multi-touch.

Interactive Whiteboards:

- The Huntington Union Free School District continues to advance its efforts in crating a district-wide digital age learning culture along with the implementation of comprehensive technology integration designed to increase student achievement, promote excellence and achieve Cyber Citizenship.

- The district has an inventory of 263 Smart projectors/Smart boards throughout its schools. There are 46 Smart Boards that exceed 5 years in age and another 78 that are between 4 and 5 years old. The LEP interactive white boards are a long term investment with a life expectancy of approximately 14 years.

- Advantages of moving to LED interactive whiteboards

  - Longer life expectancy
  - No bulbs
  - No calibration issues
  - Multi-touch features allow multiple students to interact at one time.
  - Higher resolution

Touchscreen Chromebooks

- The district has been pro-active in rolling out tablet devices and piloting them to see which is the most cost-effective tool to assist our students in gaining a 21st century education. Touchscreen Chromebooks are inexpensive and give students the opportunity to combine the best features of tablets with the best features of small computers. In particular, students will be able to demonstrate their understanding of math by drawing diagrams and pictures to enhance their thinking using the touchscreen, as well as using interactive games and calculators.

Tablets

- Teachers in grades K and 1 will use tablets to reinforce learning that is taking place in their classrooms. Apps on tablets will be available for use as a center activity to support curriculum.

HUFSD completed infra-structure upgrades in 2014-15 so the district is close to meeting the minimum speed of 100 Mbps per 1,000 students required by the Federal Communications Commission. We are currently at 400 Mbps and we have approximately 4500 students.

TECHNOLOGY DEVICES WILL:

- Enhance DI and Benefit SWD and ENL Students

  - Teachers will use software, videos and apps (Read 180, Math 180, Khan Academy, LearnZillion, YouTube, Google Apps for Education (GAFE) and others) and will assign lessons tailored to the needs of students

- Expand student learning both inside and outside the classroom

  - The use of technology (GAFE) will allow collaboration and learning to take place regardless of time and place. Students can collaborate on digital projects, conference with leaders all over the world, and can access information on the world-wide-web.

- Close gaps

  - Digital tools will be used to identify gaps in learning and teachers will use this data to inform instruction.

  - Teachers will use software, videos and apps to assist students who struggle with specific performance indicators.

- Enhance communication with parents and other stakeholders

  - Teachers will continue to post information on eboards, google sites and the parent-portal portion of our student management system to keep parents, students and the community informed about progress and happening in the school community.

THE SMART SCHOOLS INVESTMENT PLAN:

- Facilitates technology-based regional partnerships/distance learning

  - Huntington has Virtual Advanced Placement classes currently and will expand these as interest and technology grows.

  - Our AHSEP program uses Odysseyware, another virtual learning platform

  - Virtual remedial courses have been created by our RTI Math and Reading professionals to alleviate the summer slide.

  - Our school participates in an assessment consortium, where teachers from participating districts create questions aligned to standards and are placed in an item bank, which is then able to be accessed by all parties.

- Shows that the district is committed to providing professional development in integrating technology into the classroom.

  - Teachers hold collegial circles in which best practices are shared

  - Two staff-developers work part-time providing assistance to teachers both during the school day and after-school.

- Huntington is committed to providing St. Patrick's School with a portion of funds (see the budget projections)

- Sustainability: Huntington is committed to using district funds to continue to upgrade infrastructure and to replacing older, obsolete devices. When previous projects are examined, it shows Huntington's commitment to technology and providing a 21st Century learning experience for students.

Grade	Chromebooks 15-16	Chromebooks 16-17	Chromebooks 17-18	Chromebooks 18-19	Chromebooks 19-20
					Plan for Student Devices
K		Tablets: 6 purchased for each classroom (6)	Tablets:6 purchased for each classroom (12)	Tablets: 6 purchased for each classroom (18)	Tablets: 6 purchased for each classroom (24)
1		Tablets: 6 purchased for each classroom (6)	Tablets:6 purchased for each classroom (12)	Tablets: 6 purchased for each classroom (18)	Tablets: 6 purchased for each classroom (24)
2		Use from grade 3 15-16	Class sets through-out the district	Class sets through-out the district	Class sets through-out the district
3	Class sets through-out the district	Replace with Touch Devices (385)/Current devices go down to grade 2	Class sets through-out the district	Class sets through-out the district	Class sets through-out the district
4	Class sets through-out the district	Replace with Touch Devices (385)/Current devices go up to grade 7	Class sets through-out the district	Class sets through-out the district	Class sets through-out the district
5	Class sets through-out the district	Replace with Touch Devices (385)/Current devices go up toHHS (g10?)	Class sets through-out the district	Class sets through-out the district	Class sets through-out the district
6	Class sets through-out the district	Yes	Class sets through-out the district	Class sets through-out the district	Class sets through-out the district
7	Yes: 1:1	1:1 Use from grade 4 15-16	1:1 Buy for 7th	1:1 Buy for 7th	1:1 Buy for 7th
8	Yes: 1:1	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)
9		1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)
10		Use from grade 5 15-16	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)
11				1:1 Yes (students move up with devices)	1:1 Yes (students move up with devices)
12					1:1 Yes (students move up with devices)

YELLOW: SSBA Funds will pay. Light Blue: General Fund

Yellow: SSIP Blue: District Funds										
Totals	Desc	Each	Qty	2016-2017	Qty	2017-2018	Qty	2018-2019	Qty	2019-2020	Total
1855	Touch Screen Chromebooks, with white glove service, licenses	$315.00	1155	$363,825.00	350	$110,250.00	350	$110,250.00	350	$110,250.00	$694,575.00
12	Carts for Gade 2 Classrooms	$1,500.00	12	$18,000.00							$18,000.00
12	Carts for Grade K-1 Classrooms	$1,500.00					12	$18,000.00	12	$18,000.00	$36,000.00
120	Multi-touch Interactive LEP Flat Panel Displays (with mounting hardware and installation	$3,500.00	30	$105,000.00	30	$105,000.00	30	$105,000.00	30	$105,000.00	$420,000.00
40	Multi-touch Interactive LEP Flat Panel Displays (with mounting hardware and installation	$3,500.00	10	$35,000.00	10	$35,000.00	10	$35,000.00	10	$35,000.00	$140,000.00
576	Tablets fo grades K-1 (24 Classrooms, 6 in each room, each year)	$225.00	144	$32,400.00	144	$32,400.00	144	$32,400.00	144	$32,400.00	$129,600.00
	Totals			$554,225.00		$282,650.00		$300,650.00		$300,650.00	$1,438,175.00
	SSIP Classroom Tech			$398,825.00		$67,400.00		$85,400.00		$85,400.00	$637,025.00
	District Tech Budget			$155,400.00		$215,250.00		$215,250.00		$215,250.00	$801,150.00

SUMMARY OF PROPOSED EXPENDITURES

	2016-2017	2017-2018	2018-2019	2019-2020	Total
SSIP Classroom Tech	$398,825.00	$67,400.00	$85,400.00	$85,400.00	$637,025.00
District Tech Budget	$155,400.00	$215,250.00	$215,250.00	$215,250.00	$801,150.00

Amount for Captital Projects	
Total from NYS SSBA	$1,416,575.00
SS Funds Spent on Classroom Technology	$637,025.00
St. Pat's Allocation	$79,882.69
Remaining	$699,667.31

WHY MULTIPLE PHASES?

- Money

- Changing Technologies

- E-rate

WHAT IS E-RATE?

- The Schools and Libraries (E-rate) Program provides discounts to assist most schools and libraries in the United States to obtain affordable Internet access and telecommunications services.

- Discounts range from 20-90 percent of the costs of eligible services, depending on the level of poverty and the urban/rural status at the school district level.

- Huntington receives a 60% Discount.

WHAT IS NEW WITH E-RATE

- Telephone service discount going away.
- Huntington is eligible to apply for additional services. This occurs once every 5 years.

E-RATE AND SMART SCH0OLS

- Some of the items eligible for E-rate are also eligible to be purchased with SSBA monies.

- E-rate applications have been filed. Huntington UFSD will receive a funding letter in July or August .

E-RATE ITEMS

- Router – SSBA requires that schools have sufficient bandwidth to accommodate 100 Mbps per 1000 students. HUFSD is currently at 400 Mbps but with an enrollment of approximately 4521 students it must be upgraded to 500 Mbps. State is allowing 12 months to either complete the upgrade or provide an upgrade plan.

- 120 Access Points

- Backup Network Battery

- Servers

TOTAL FUNDING YEAR PRE-DISCOUNT ELIGIBLE AMOUNT - $241,162.25

TOTAL FUNDING COMMITMENT REQUEST AMOUNT - $144,697.35

APPLICANT NON-DISCOUNT SHARE OF THE ELIGIBLE AMOUNT $96,464.90

SSBA MONEY WOULD BE USED TO PAY THE BALANCE OF $96,464.90

FUTURE PLANS FOR SMART SCHOOLS INVESTMENT

- Wireless Connectivity
- High Speed Broadband
- Security Cameras and Software Upgrade
- Wiring Upgrade at Jack Abrams STEM Magnet School
- Video Conferencing System
- Additional Devices
- Others as needed..........

Questions or Comments? Please contact:
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