

Smart School Bond Act Investment Plan Henrietta G. Lewis Campus School

The necessary upgrades to the Henrietta G. Lewis Campus School's technology system has become clear with the challenges it faces providing both stable, fluid wired and wireless network connections to all classrooms in compliance with the New York State Department of Education's transition to computer-based testing for all students in grades three through eight by 2020.

The primary focus of the Smart School Bond Act Investment Plan will alleviate concerns in the areas listed below:

- Our internal wiring network becomes overwhelmed by the number of users attempting to sign-on to the network. This has resulted in sign-on delays, slower processing time and limited use of technology in the classroom
- Our current wireless system does not allow for access within certain classrooms in the building
- Continuous support for our current technology which includes but is not limited to teaching with interactive whiteboards

Following federal recommended guidelines (National Education Technology Plan update, Reimagining the role of Technology in Education: 2017), the Henrietta G. Lewis School's Technology plan is as follows:

Through the use of our e-rate discount, we have installed a Fiber Optics connection for our Local Area Network use.

Recommended updates to the Local Area Network are required to offer fluid, stable broadband with the recommended target speed of one (1) gigabit per second per student by the end 2017-18 school year. This installation of:

ITEM	QUANTITY	COST PER ITEM	TOTAL COST
CAT6A	29	245	7,105
CAT5E	20	155	3,100
24 port Cat5E patch panel	2	89	178
24 port Cat6A patch panel	2	185	370
Firestop	1	10	10
Wiremold	1	150	150
Tirewraps	1	15	15
Low voltage surface mount boxes	15	5	75

School Internet Connections and Components: \$11,003

To continue to provide technology infused instruction we will need replacement projectors to maintain our classroom Promethean Boards. Included in the Smart School budget proposal are Epson Powerlite X39 projectors.

ITEM	QUANTITY	COST PER ITEM	TOTAL COST
Projector Powerlite X39	6	449	2,694

The purchase of *Asus Chrome Flipbooks C213-YS02-S* with Google for education for classroom instruction and to accommodate for computer-based testing in grades 3-8.

ITEM	QUANTITY	COST PER ITEM	TOTAL COST
Asus Flip Chromebook C213A-YS02-S	16	405	6,480
Site license for Asus Flip Chromebook C213A-YS02-S	16	25	400

Classroom Educational Technology: \$9,574

Access points within the school have been strengthened and relocated to support devices within the school

In an effort to decrease the *digital use divide* (utilizing technology in an active, creative way to support learning as opposed to the use of technology for passive content consumption), professional development opportunities and in-services on devices, software, apps, internet services, and being a responsible digital citizen will be integrated yearly for teaching staff.