Proposed Technology Budget 2017-2018

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Teaching and Learning Vision & Goals

VISION: Active student learning

We want students engaged in experiences that involve meaningful inquiry, action, imagination, invention, interaction, hypothesizing and personal reflection.

Goals - Instruction that includes:

- > Regular feedback
- Language that promotes students' sense of self and well-being
- > Small group instruction based on ongoing assessment
- > Use of time, configuration of space, and technology that provide opportunities for student collaboration, creativity and innovation
- Analysis of student work to inform instruction

VISION: Strong student collaboration

We want students to work cooperatively toward a common goal, exchange ideas, and rely on one another to create a product or arrive at a solution that could not be achieved by an individual.

Goals - Teaching students to:

- Brainstorm
- Apply problem-solving processes
- Be creative
- > Think divergently

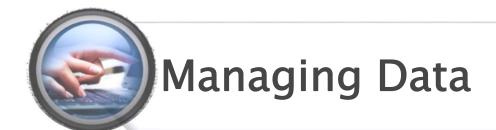
- Show empathy
- Ask thoughtful questions
- > Give and receive feedback

Budget Composition 2017-2018



Teaching & Learning







Strategic Vision

Development of a digital age learning environment that prepares our students to live, learn and work in a globally networked society and is adaptable to the ever-changing role that technology has in teaching and learning

- Digital Curriculum
- Cloud Based Computing
- Virtual Learning
- Integrated Data Management System
- Adaptable Infrastructure



Planned strategic approach over the last decade

Professional Learning

Sustained ongoing technology training over many years

Physical Infrastructure

- > Fiber Network
- > Internet Bandwidth
- Wireless Access
- Scalable Server Farm
- Planned Technology Refresh

Data Management

Enhanced data synchronization and accessibility

Notable Projects in 2016-2017

- > Canvas Implementation High School, Year 2
- ➤ Social Studies BYOD/Digital Resources 9–12
- ➤ K-4 Robotics
- > 3rd Grade Coding
- ➤ K-12 STEAM Planning/Professional Learning
- Innovative Learning Spaces
- Advanced Technology Fellows
- Summer Institutes
 - Technology Forums/Staff Laptop Initiative
 - Robotics-Maker Camp
 - Steam Camp/Cooperative
- > Middle School Wireless Infrastructure Upgrade

Planned Projects 2017-2018

- Canvas Implementation
 - 9-12, Year 3
 - 7-8, Year 1
- Social Studies BYOD/Digital Resources 9-12, Year 2
- ➤ K-12 STEAM
- K-4 Robotics
- ➢ 3rd Grade Coding, Year 2
- 4th Grade Coding, Year 1
- Innovative Learning Spaces
- Advanced Technology Fellows New Cohort
- Summer Institutes
- Technology Forum II
- Wireless Infrastructure Upgrades
- Primary Grades Mobile Devices
- Smart Bond Implementation
- Communication/CEFF
 - Website upgrade

Professional Learning Priorities 2017-2018

- I. Assist teachers and administrators in reconfiguring space and technology use to allow for more student creativity, innovation, and collaboration through authentic long term projects
- II. Assist teachers as they learn about and implement the latest technology in their classrooms
 - Classroom Coaching
 - Learning Teams
 - Advanced Technology Fellows
 - In-Service Courses
 - Summer Curriculum Planning
 - Summer Institutes
 - Staff Development Days

Infrastructure Priorities 2017 - 2018

Review and upgrade hardware as needed:

- Mobile device deployment
- Wireless infrastructure
- Printer upgrades

Proposed Multi-Year Hardware Deployment Forecast

Year	Laptops	Desktops	Tablets	Funding Source	Funding Amount
2017-18	175	175	160	Smart Bond	\$230,000
2017 10	345			District Lease	\$80,000
*Two district leases end -\$120,861/\$44,596 = \$165,457					
2018-19	500	320		District Lease	\$165,900
*two district leases end- \$83,990/\$82,612 = \$166,602					
2019-20	736	300		District Lease	\$223,000

Computer Hardware Leases

2013/14-2017/18

\$44,596

2014/15-2018/19

\$83,990

2015/16-2017/18

\$120,861

2016/17-2018/19

\$82,612

Proposed 2017/18-2019/20

\$80,000

Total Annual Payment = \$412,059

Hardware Inventory

Device Type		Current Inventory	
District Servers Desktop PCs		19 1609	
Chromebooks Laptops		477 1132	
iPads		103	
SMARTBoards LCD Monitors		207 7	
Printers 3–D Printer	>	447 7	



Priority for Managing Data 2016 - 2017

Efficiently and effectively house, sort and report data to schools, parents and the State of New York

- Enhanced Infinite Campus functionality
- Staff Trac APPR repository
- State reporting mandates



Proposed Technology Budget 2017-2018

(Budget Book Page 38)

	2015–16		2016–17		2017-18		
Computer Assisted Instruction	Approved Budget	Year End Actual	Approved Budget	Year End Projection	Proposed Budget	Variance \$	Variance %
Equipment	200,000	208,564	238,000	238,000	233,000		
Contract Services	1,132,600	1,133,476	1,116,199	1,116,199	1,210,900		
Travel/Conferences	2,500	1,641	2,500	2,500	2,500		
Technology Training	10,000	9,998	10,000	10,000	10,000		
Supplies	73,000	74,219	73,000	73,000	73,000		
State Aided Computer Software	96,300	96,231	106,920	106,920	150,960		
BOCES					30,000		
Total	1,514,400	1,524,129	1,546,619	1,546,619	1,710,360	163,741	10.59%
Lease/Purchase Technology	301,784	300,305	349,448	332,059	412,059	62,611	17.92%
Total	\$1,816,184	\$1,824,434	\$1,896,067	\$1,878,678	\$2,122,419	226,352	11.94%