

Instructional Technology Plan - Annually - 2017

LEA Information

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A. LEA Information

1. 2015-2016 Student Enrollment

	Total Enrollment	Pre-K Enrollment	K-2 Enrollment	3-5 Enrollment	6-8 Enrollment	9-12 Enrollment	Ungraded Enrollment
Student Enrollment	2,989	67	693	623	652	937	17

2. What is the name of the district administrator entering the technology plan survey data?

Darleen Nicolosi

3. What is the title of the district administrator entering the technology plan survey data?

Director of Technology

Instructional Technology Plan - Annually - 2017Instructional Technology Vision and Goals

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B. Instructional Technology Vision and Goals**1. Please provide the district mission statement.**

Nyack is a community proud of its traditions and diversity. We provide an environment that fosters scholastic excellence, cultural appreciation, and ethical behavior. We are committed to the success of each student and use pedagogical methods that foster problem solving, collaboration, analysis, creativity, and innovation. We believe that the digital age and the rapid advancement of technology has placed prominence on the need to ensure that our students learn new skills and technological competencies to succeed in our global knowledge-based society. Programs will continually evolve, ensuring all students are prepared for college, careers and citizenship as creative, collaborative critical thinkers.

2. Please provide the executive summary of the instructional technology plan, including vision and goals.

The District's instructional technology plan is directly aligned with our teaching and learning vision and emphasizes the need for instruction that provides opportunities for students to think deeply, apply problem-solving skills and actively participate in their learning as they acquire content knowledge. Therefore it is our goal to create active learning environments using technology in which learners are solving relevant, complex problems both individually and collaboratively using varied approaches. Additionally, through the use of collaborative web-based software applications our instructional strategies are defined to allow students to set their own learning goals while receiving ongoing feedback. Our instruction is supported by a district wide wireless infrastructure along with the deployment of mobile technology in all buildings. It is our goal to annually increase access and provide 1-1 computing for all students, while simultaneously analyzing and upgrading our infrastructure to ensure we have the capacity to support our goals.

Professional development and effective leadership are also an essential component for successfully attaining our vision. Our goals include providing extensive professional development opportunities for all staff members to support the development and implementation of student centered environments that integrate technology and emphasize authentic problem-based learning. Professional development models for our instructional staff include district workshops, collaborative opportunities to meet with colleagues, attendance at professional conferences and school visits. Instructional technology coaches at each level also support a classroom based coaching model and provides planning and co-teaching opportunities with classroom teachers.

District Goals:

1. Provide 1-1 computing for all students. All learners and educators will have equitable access to a full range of technology tools and digital content at every school. Analysis will be ongoing to identify future needs and plan alignment.
2. Infrastructure analysis and upgrades as required to ensure there is sufficient capacity to support the District's vision and goals.
3. Professional development opportunities for instructional staff supporting the development and implementation of student centered environments that integrate technology and emphasize authentic problem-based learning.
4. Ongoing evaluation of vision and goals to ensure the District and its stakeholders are actively working together to achieve the vision and goals outlined in the technology plan.

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Instructional Technology Vision and Goals

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3. Please summarize the planning process used to develop the instructional technology plan. Please include the stakeholder groups participating and outcomes of the instructional technology plan development meetings.

The District technology committee was reconvened during the 2016-17 school year with the charge of assessing, identifying and prioritizing the technology goals for the district. The committee Identified a framework to integrate technology with curriculum, Teaching & Learning and administrative support services.

Date	Purpose	Participants	Outcome
September 2016	Determine how well Nyack Schools is addressing the needs of all students and how well we are preparing them for a complex world.	Superintendent, School Administrators, & Teachers	Create a committee to create a technology plan and curriculum. Also to plan for the SMART Bond grant.
November 2016	Make recommendations for the Technology Plan	Superintendent, School Administrators, & Teachers	Site visits to neighboring schools to see how they implemented their plans
December 2016	Develop a Technology Plan	Superintendent, School Administrators, & Teachers	Develop a plan that will include the goals for the district and a timeline for deploying the recommendations
February 2016	Budget Planning	Superintendent, School Administrators, & Teachers	Planning for the technology needs from the SMART Bond allocation

Technology Committee Membership

- Dr. James Montesano - Superintendent of Schools
- Dr. Winsome Gregory - Assistant Superintendent Curriculum & Instruction/Personnel
- Darleen Nicolosi - Director of Technology & Innovation
- Maryellen Lydecker - Information Systems Manager/Parent
- Boyd Adolfsson - IDE Corp. Consultant
- Lucia Picardo - Nyack High School Assistant Principal
- Victor Olmedo - Nyack High School Teacher/Dean
- Kirk Allen - Nyack High School Teacher
- Jennifer Baca - Nyack High School Teacher
- Mary Berat - Nyack High School Teacher
- Steven Nardi - Nyack High School Teacher/Technology Integration
- David Johnson - Nyack Middle School Principal
- Lucrisha Addison - Nyack Middle School Assistant Principal
- Ben Turner - Nyack Middle School Teacher/Technology Integration
- Joe Mercora - Upper Nyack Elementary Principal
- Tracey Schumacher - Upper Nyack Elementary Teacher/Technology Integration
- Margarita Vasquez - Upper Nyack Elementary Teacher
- Nick Grasso - Liberty Library Media Specialist
- Francisca White - Liberty Elementary Teacher/Technology Integration
- Adam Beirlein - Valley Cottage Elementary Teacher
- Anna Maria Giuffre - Valley Cottage Elementary Teacher/Technology Integration
- Amy Leibel - Valley Cottage Elementary Teacher

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4. Please provide the source(s) of any gap between the current level of technology and the district's stated vision and goals.

- Access Points
- Cabling
- Connectivity
- Device Gap
- Network
- Professional Development
- Staffing
- Other
- No Gap Present

5. Based upon your answer to question four, what are the top three reasons causing the gap? If you chose "No Gap Present" in question four, please enter N/A.

Professional Development - challenges include finding time during the instructional day to provide professional development. Reviewing additional options during the summer.

Staffing - Budgetary cuts and tax cap resulted in technology staff reductions. Analysis will be conducted during the 2017-18 school year to assess staffing requirements.

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Instructional Technology & Infrastructure Inventory

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C. Technology and Infrastructure Inventory

1. **Please identify the capacity of the telecommunications line coming into the district network hub. The district's Regional Information Center can provide the district with this information if needed.**

- Greater than 10 Gbps
- 10 Gbps
- 1 Gbps - < 10 Gbps
- 100 Mbps - < 1Gbps
- 50 Mbps - < 100 Mbps
- 10 Mbps - < 50 Mbps
- Less than 10 Mbps

2. **What is the total contracted Internet bandwidth access for the district? Choose one.**

- Greater than 10 Gbps
- 10 Gbps
- 1 Gbps - < 10 Gbps
- 100 Mbps - < 1 Gbps
- 50 Mbps - < 100 Mbps
- 10 Mbps - < 50 Mbps
- Less than 10 Mbps

3. **What is the name of the agency or vendor from which the district purchases its primary Internet access bandwidth service?**

Southern Westchester BOCES

4. **Please identify the capacity of the telecommunications line coming into the district's school building(s) from the district hub or district data center. The district's Regional Information Center can provide this information if needed**

	Speed in Gpbs or Mpbs
Minimum Capacity	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input type="checkbox"/> 1 Gbps - < 10Gbps <input type="checkbox"/> 100 Mbps- < 1 Gbps <input type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> Less than 10 Mbps
Maximum Capacity	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input type="checkbox"/> 1 Gbps - < 10Gbps <input type="checkbox"/> 100 Mbps- < 1 Gbps <input type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> Less than 10 Mbps

5. **Please identify the minimum and maximum circuit speeds at which the classrooms in the district are connected to the school building wiring/network closet.**

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	Please provide the speed at which classrooms are connected to building wiring/network closet.
Minimum Circuit Speed Within a School Building	<input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input checked="" type="checkbox"/> 1 Gbps - < 10Gbps <input type="checkbox"/> 100 Mbps- < 1 Gbps <input type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> Less than 10 Mbps
Maximum Circuit Speed Within a School Building	<input type="checkbox"/> Greater than 10 Gbps <input type="checkbox"/> 10 Gbps <input checked="" type="checkbox"/> 1 Gbps - < 10Gbps <input type="checkbox"/> 100 Mbps- < 1 Gbps <input type="checkbox"/> 50 Mbps - < 100 Mbps <input type="checkbox"/> 10 Mbps - < 50 Mbps <input type="checkbox"/> Less than 10 Mbps

6. What are the minimum and the maximum port speeds of the switches that are less than five years old in use in the district?

	Port speed of switches	Mbps or Gbps
Minimum Capacity of Switches	1	<input type="checkbox"/> Mbps <input checked="" type="checkbox"/> Gbps
Maximum Capacity of Switches	10	<input type="checkbox"/> Mbps <input checked="" type="checkbox"/> Gbps

7. What percentage of the district's wireless protocols are less than 802.11g?

1

8. Do you have wireless access points in use in the district?

- Yes
- No

8a. What percentage of your district's instructional space has wireless coverage?

100

9. Does the district use a wireless controller?

Yes

10. How many computing devices less than five years old are in use in the district?

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Instructional Technology & Infrastructure Inventory

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	Number of devices in use that are less than five years old	How many of these devices are connected to the LAN?
Desktop computers/Virtual Machine (VM)	1,044	1,044
Laptops/Virtual Machine (VM)	234	234
Chromebooks	1,428	1,428
Tablets less than nine (9) inches with access to an external keyboard	0	0
Tablets nine (9) inches or greater with access to an external keyboard	266	266
Tablets less than nine (9) inches without access to an external keyboard	20	20
Tablets nine (9) inches or greater without access to an external keyboard	12	12
Totals:	3,004	3,004

11. What percentage of students with disabilities in the school district, as of the submission date of this technology plan, have assistive technology documented on their Individual Education Plan (IEP)?

10

12. Please describe any additional assistance or resources that, if provided, would enhance the district's ability to improve access to technologies for students with disabilities.

1. Additional professional development opportunities on assistive technology to assist teachers with autistic students.
2. Additional iPads for our Learning Disabled Class to assist with writing, using voice to text programs.
3. Soundfield System - A classroom wide speaker system to increase volume of preferred auditory input (teachers voice) to increase attention and awareness. Beneficial to all students, but especially for our growing number of students with attentional or auditory processing needs.

13. How many peripheral devices are in use in the district?

	Number of devices in use
Document Cameras	60
Flat Panel Displays	14
Interactive Projectors	10
Interactive Whiteboards	175
Multi-function Printers	15
Projectors	202
Scanners	15
Other Peripherals	0
Totals:	491

14. If a number was provided for "Other Peripherals" please specify the peripheral device(s) and quantities for each.

N/A

15. Does your district have an asset inventory tagging system for district-owned equipment?

Yes

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Instructional Technology & Infrastructure Inventory

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16. Does the district allow students to Bring Your Own Device (BYOD)?

No

17. Has the school district provided for the loan of instructional computer hardware to students legally attending nonpublic schools pursuant to Education Law, section 754?

Yes

18. What barriers may prevent the district from testing 100% of its grade 3-8 students and NYSAA students on computers by the year 2020?

- Insufficient number of devices meeting testing requirements
- Lack of reliable Internet service
- Insufficient broadband access
- Inadequate staffing levels
- Insufficient testing spaces
- District does not foresee any barriers
- Other

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Software and IT Support

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D. Software and IT Support

1. **What are the operating system(s) in use in the district?**

	Is this system in use?
Mac OS Version 9 or earlier	No
Mac OS 10 or later	Yes
Windows XP	No
Windows 7.0	Yes
Windows 8.0 or greater	Yes
Apple iOS 7 or greater	Yes
Chrome OS	Yes
Android	Yes
Other	No

2. **Please provide the name of the operating system if the response to question one included "Other."**

N/A

3. **What are the web browsers, both available and supported, for use in the district?**

	Web Browsers available and supported for use
Internet Explorer 7	No
Internet Explorer 8	No
Internet Explorer 9 or greater	Yes
Mozilla Firefox	Yes
Google Chrome	Yes
Safari (Apple)	Yes
Other	No

4. **Please provide the name of the web browser if the response to question three included "Other."**

N/A

5. **Please provide the name of the Learning Management System (LMS) most commonly used in the district. A Learning Management System (LMS) is a software application for the administration, documentation, tracking, reporting, and delivery of online and blended learning courses.**

Google Classroom

6. **Please provide the names of the five most commonly used software programs that support classroom instruction in the district.**

Google docs
 Google sheets
 Google forms

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Software and IT Support

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7. Please provide the names of the five most frequently used research databases if applicable.

World Book On-Line
Lexis Nexis
Scholastic
grolier

8. Does the district have a Parent Portal?

Yes

8a. Check all that apply to the Parent Portal if the response to question eight is "Yes."

- Attendance
- Homework
- Student Schedules
- Grade Reporting
- Transcripts
- Other

8b. If 'Other' was selected in question eight (a), please specify the other feature(s).

Transportation
Locker Info

9. What additional technology-based strategies and tools, besides the Parent Portal, are used to increase parent involvement?

- Learning Management System
- Emergency Broadcast System
- Website
- Facebook
- Twitter
- Other

9a. Please specify if the response to question nine was "Other".

Let's Talk
Peach jar
eChalk class pages

10. Please list title and Full Time Equivalent (FTE) count (as of survey submission date) of all staff whose primary responsibility is providing technical support. Does not include instructional technology integration FTE time.

Title	Number of Current FTEs
Director of Technology	1.00
Information Systems Manager	1.00
Network Specialist	1.00
Computer Technician	1.00
	4.00

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Curriculum and Instruction

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E. Curriculum and Instruction

1. What are the district's plans to use digital connectivity and technology to improve teaching and learning?

The District's instructional technology plan is directly aligned with our teaching and learning goals emphasizing the need for instruction that provides opportunities for students to think deeply, apply problem-solving skills and actively participate in their learning as they acquire content knowledge. The district's Google domain has become our systemic teaching and learning tool and has allowed our teachers to create active learning environments using technology. Teachers create units of study which include the use of the Google product suite providing opportunities for students to work collaboratively as they solve authentic real world problems infusing technology when appropriate. The use of our District defined Google domain also allows students to receive ongoing feedback from teachers. Our goal to increase access and move to a 1-1 environment will provide additional access to digital resources, strengthening the instructional connections. Professional development will continue to support teachers in the development of student centered technology infused classrooms and will be offered throughout the year.

2. Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials, and assessments?

Yes

2a. If "Yes", please provide detail.

Access to technology and instructional resources will be provided to all students and our 1-1 environment will further enhance the ability to differentiate instruction for all. Assistive technology will also be available to students and programs such as speech to text, auditory peripherals, visualization software and remedial support will be available. Additionally, through the District's acquisition of Ensemble, a video repository, teachers will be able to customize instruction for students based upon need and web-based access provides easy accessibility after the school day for additional instructional support.

3. Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?

Yes

3a. If "Yes", please provide detail.

Yes. As we move to a 1-1 environment, support for students with disabilities will be enhanced through increased access to technology in the classroom. Differentiated instruction will become easier as teachers can select digital resources aligned to a student's needs.

4. Does the district's instructional technology plan address the needs of English Language Learners to ensure equitable access to instruction, materials, and assessments?

- Yes
- No

4a. Please provide details. If the district plans to apply for Smart School Bond Act funds for Classroom Learning Technology, the answer to this question must be aligned with the district's Smart Schools Investment Plan (SSIP).

Yes. As we move to a 1-1 environment, support for ENL students will be enhanced through increased access to technology in the classroom. Differentiated instruction will become easier as teachers can select digital resources aligned to a student's needs. Additionally, having increased access to visual software tools will assist with language acquisition.

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Professional Development

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F. Professional Development

- Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience, and method of delivery within your summary.**

Date	Topics	Audience	Method of Delivery
2016-18	Conquer Math including 3-5	K - 12 Teachers	Individual/Group Sessions Monthly
2016-18	Google Docs	K - 12 Teachers	Individual/Group Sessions Monthly
2016-18	New Teacher Tech Training	K -12 Teachers	Individual/Group Sessions Monthly
2016-18	ELA	K -12 Teachers	Individual/Group Sessions Monthly
2016-18	Classroom Chromebook Use	K -12 Teachers	Individual/Group Sessions Monthly
2016-18	Technology Integration	K - 12 Teachers	Individual/Group Sessions Monthly
2016-18	LATIC Classroom technology infused classrooms)	K - 12 Teachers	Individual/Group Sessions Monthly (Teacher Instruction on creating active
2016-18	Classroom web pages	K - 12 Teachers	Individual/Group Sessions Monthly

- Please list title and Full Time Equivalent (FTE) count (as of survey submission date) of all staff whose primary responsibility is delivering technology integration training and support for teachers. Does not include technical support.**

Title	Number of Current FTEs
Instructional Technology	0.60
Teaching Assistant	1.00
Instructional Technology	0.50
	2.10

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Technology Investment Plan

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G. Technology Investment Plan

1. **Please list the top five planned instructional technology investments in priority order over the next three years. Infrastructure is considered an instructional technology investment.**

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Technology Investment Plan

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	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
1	Chromebooks	580,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
2.	Other	24,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
3.	Interactive Displays/Projectors/Whiteboards	300,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
4.	Laptops	50,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
5.	3D Printers	10,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
Totals:	0	964,000	0	0

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Technology Investment Plan

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- 2. If "Other" was selected in question one, for items purchased or for a funding source, please specify.**

#2 - Other - carts for the Chromebooks

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Status of Technology Initiatives and Community Involvement

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H. Status of Technology Initiatives and Community Connectivity

1. **Please check any developments, since your last instructional technology plan, that affect the current status of the technology initiatives.**

- Changes in District Enrollment
- Changes in Staffing
- Changes in Funding
- Technology Plan Implementation
- Computer-based Testing
- Catastrophic Event
- Developments in Technology
- Changes in Legislation
- Other
- None

2. **In this section, please describe how the district plans to increase student and teacher access to technology, at home and in the community.**

Teachers are given mobile devices for use in school and at home. They have remote access to all of their instructional materials and resources. Ongoing evaluation is currently being done to access student needs at home and plans will be determined based upon needs.

3. **Please check all locations where Internet service is available to students within the school district's geographical boundaries.**

- Home
- Community
- None

3a. **Please identify categories of available Internet locations within the community.**

- Library
- Community Center
- Coffee Shops
- Malls

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Instructional Technology Plan Implementation

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I. Instructional Technology Plan Implementation

Instructional Technology Plan - Annually - 2017

Instructional Technology Plan Implementation

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1. Please provide the timeline and major milestones for the implementation of the technology plan as well as the action plan to integrate technology into curriculum and instruction to improve student learning.

a. Network and Telecommunications Infrastructure

- 2016: The fiber optic line from the district to the LHRIC and the internet was upgraded to 1GB of bandwidth from a previous 100MB of bandwidth. (An increase of 1000%.)
- 2016: Internal switching and network wiring has been upgraded with faster, more capable and redundant equipment to better support the new WiFi network, connectivity between schools, and overall network performance and reliability.
- 2016: Backup systems were upgraded and server virtualization deployed to provide improved flexibility and redundancy for existing and future systems.
- 2016: Installed the Mutualink emergency notification and monitoring system at the district office and the high school.
- 2017: Email systems for nyackschools.org and nyackschool.com being consolidated in-house to Microsoft Exchange server to provide a single email identity, guaranteed delivery, archiving, and student and employee privacy protection.

b. Hardware/Workstation Deployment

District Wide

- 2016: Windows desktop computers district wide that could not support the Windows 8.1 operating system were decommissioned and all remaining hardware was upgraded. Larger LCD displays added to guidance offices to support student scheduling system.
- 2016-2017: The standard issue basic computing device for Nyack students, acting as a “digital notebook”, is the Chromebook. They are mobile, inexpensive, and cloud-connected. The district has substantial investment already with over 1000+ devices.

School Libraries

The High School Library website provides access to numerous subscription databases, periodicals, eBooks and project guides. Through collaboration with subject area teachers, information literacy skills are taught in conjunction with authentic research projects. Students are encouraged to become efficient and effective users of information.

- 2016: Desktop computers are available for instruction and student use including eight at the High School, six at the Middle School, at least three at each Elementary School.
- 2016: A cart of 30 Chromebooks are available for student use at the High School.

Elementary Schools

- 2016: Project Lead the Way (Launch) was implemented to integrate the engineering design process with the STEMScopes K-5 science curriculum in order to have a vertically and horizontally articulated STEM program. Both STEMScopes and PLTW have web-based curricula, which require yearly subscriptions to their respective portals. One set of 30 Samsung Galaxy S2 tablets were purchased for each elementary building to support the PLTW curriculum.
- 2016: A cart of 30 Dell Windows laptops with a dedicated inkjet printer was added to each elementary school as a shared resource for classroom technology use and to be used for the STAR Renaissance assessment program that is administered three times a year.
- 2016: The Learner-Active, Technology-Infused Classroom initiative began at the Elementary Schools. Teachers in the initial cohort were each provided with eight Chromebooks.

Middle School

- 2016: Project Lead-the-Way (Gateway to Technology) was implemented as the grade 6-8 Technology Education curriculum. Yearly subscription fees to the PLTW Portal are required as well as a 1:1 deployment of Dell laptops (two carts of 30) loaded with Windows 8 minimum and configured to run latest Autodesk Inventor and Robot-C software.
- 2016: Additional Chromebooks were deployed to the Middle School, resulting in every classroom having a cart with at least eight Chromebooks.

High School

- 2016: A Mac Music Lab including 23 Apple iMac desktop computers with connected electronic piano keyboards, foot pedals, headsets and microphones was deployed to the High School to support the music program.
- 2016: The DaVinci lab at the High School was updated to include 31 Apple iMac desktop computers and two 3-D printers to support the CAD engineering program.
- 2016: The Video Editing lab at the High School was updated to include seven Apple iMac desktop computers and a wall mounted 46” LED television.
- 2016: Additional Chromebooks were deployed to the High School, resulting in every classroom having a cart with at least 8 Chromebooks.

c. Software Applications - Instructional and Administrative (Appendix C)

- 2016: All students in grades K-12 have been issued personal district Google accounts.

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- 2017: The district has various instructional software programs that support teaching and learning (see Appendix).
- d. Information Management Systems
 - 2016: The Horizon Solana food services system and Horizon MyPayments Plus system for meal plan balance was launched.
 - 2016: Crisis Manager software was implemented giving staff members immediate access through a smartphone of all the district emergency procedures.
 - 2016: A new district website at www.nyackschools.org, based on the most recent eChalk platform, was launched. The website is 'responsive' and can be viewed on smartphones as well as tablets, laptops, and desktop computers. Each school also has its own sub-website and content will be managed individually by each school.
 - 2016: All teachers are required to create and maintain on the new eChalk website a publicly accessible 'classroom page' to provide a teacher communications channel to parents and the community.
 - 2016: The Peachjar web based electronic flyer distribution system is deployed and makes paper announcements available to parents via email or through a website, saving the district money on printing, paper, and mailing costs.
 - 2016: The Let's Talk web based community feedback and discussion tool is deployed and acts as a central contact point for parents and the community.
 - 2016: Migration begins to Infinite Campus, a web based and mobile enabled Student Information System (SIS) providing parents and students with a convenient and secure portal to access and manage student information.
 - 2016: A new emergency notification system was implemented whereby emails, phone messaging and text messaging is now utilized to all parents and staff.
 - 2017: Horizon MyPayments Plus for AP exams is launched.

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Monitoring and Evaluation

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J. Monitoring and Evaluation

- Please describe the proposed strategies that the district will use to evaluate, at least twice a year, whether the district’s instructional technology plan is 1) meeting the vision and goals as outlined in the plan and 2) making a positive impact on teaching and learning in the district.**

The technology committee will meet 4 times during the 2017-18 school year to review the vision and goals. Surveys and focus groups will be used to collect data and the information will be brought back to the committee for review and plan revisions based upon the feedback.

- Please fill in all information for the policies listed below.**

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	https://echalk-slate-prod.s3.amazonaws.com/private/districts/492/site/fileLinks/c9ae219f-cff9-41b2-b488-47f872edf367?AWSAccessKeyId=AKIAJSZKIBPXGFLSZTYQ&Expires=1823539229&response-cache-control=private%2C%20max-age%3D31536000&response-content-disposition=%3Bfilename%3D%22Revised%2520Parents%2520Bill%2520of%2520Rights%252008042014.pdf%22&response-content-type=application%2Fpdf&Signature=CT8cLjcqk6MCOZRzmZS6pnsPXsE%3D	2005
Internet Safety/Cyberbullying*	https://boardpolicyonline.com/?b=nyack&s=33957	2011
Parents' Bill of Rights for Data Privacy and Security	https://echalk-slate-prod.s3.amazonaws.com/private/districts/492/site/fileLinks/c9ae219f-cff9-41b2-b488-47f872edf367?AWSAccessKeyId=AKIAJSZKIBPXGFLSZTYQ&Expires=1823539229&response-cache-control=private%2C%20max-age%3D31536000&response-content-disposition=%3Bfilename%3D%22Revised%2520Parents%2520Bill%2520of%2520Rights%252008042014.pdf%22&response-content-type=application%2Fpdf&Signature=CT8cLjcqk6MCOZRzmZS6pnsPXsE%3D	2014

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Survey Feedback

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K. Survey Feedback

Thank you for submitting your district's instructional technology plan (ITP) survey via the online collection tool. We appreciate the time and effort you have spent completing the ITP survey. Please answer the following questions to assist us in making ongoing improvements to the online survey tool.

1. **Was the survey clear and easy to use**

Yes

2. **Was the guidance document helpful?**

Yes

3. **What question(s) would you like to add to the survey? Why?**

N/A

4. **What question(s) would you omit from the survey? Why?**

N/A

5. **Other comments.**

N/A

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Appendices

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Appendices

1. **Upload additional documentation to support your submission**

(No Response)