

Instructional Technology Plan - 2016

LEA Information

---

Page Last Modified: 08/25/2016

**A. LEA Information**

1. **2014-2015 Student Enrollment**

	Total Enrollment	Pre-K Enrollment	K-2 Enrollment	3-5 Enrollment	6-8 Enrollment	9-12 Enrollment	Ungraded Enrollment
Student Enrollment	7,699	298	1,970	1,653	1,492	2,193	93

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

Daniel Espina

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

Director of Technology

## Instructional Technology Plan - 2016

### Instructional Technology Vision and Goals

---

Page Last Modified: 07/25/2016

#### B. Instructional Technology Vision and Goals

1. **Please provide the district mission statement.**

A Long Island model suburban-urban culturally diverse public school system is to ensure that students achieve personal growth and academic success and become productive citizens in a global society, by engaging students, staff, family and community in a comprehensive, challenging curriculum and effective instructional program which responds to each student's needs and aspirations in a safe and nurturing environment.

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

Hempstead UFSD has made remarkable progress in updating and upgrading its technology district wide:

- In order to facilitate integration of technology in the classroom instruction, all desktop computers have wired internet access connectivity. Wireless Internet Access is also available at all buildings for other mobile devices such as laptops, iPads, tablets, cell phones, etc.
- Our district currently has a fiber optics wiring infrastructure for all buildings with back end switching and firewall hardware based on 1 GB connectivity and upgradeable to 10 GB.
- The Hempstead HS Annex (HYPE Academy) is connected to the school network through a fiber connection which replaced the original wireless connection to our data center at ABGS Middle School (185 Peninsula Blvd.) fiber optics wiring of this building to the school network was completed during the summer of 2014.
- A variety of educational software is licensed and available for use in the classroom by teachers and students. The list of Learning Management Systems (LMS) includes the following: Read 180System 44Fastt MathDistrict Web site using SchoolwiresPowerSchoolDiscovery EducationThinkfinity websiteLearning A-Z Online ResourcesNWEACastle LearningWeb 2.0 tools: Digital StorytellingGoogle EarthGPS & GeocachingFollett Library and Media Center Resources: Online resourcesOnline databases and subscriptionsLibrary resourcesProductivity Software (Microsoft Office Suite)

In 2010-2011 School year, the Hempstead School District realized that it was time to address deficiencies in the technology infrastructure area by identifying the critical needs for a computer technology infrastructure capable of supporting Computerized Based Testing (CBT) as well as supplying an infrastructure for integration of technology in the daily classroom instruction. The Technology Department initiated a need assessments evaluation of the district existing infrastructure, which allowed determining the number of computers per classroom and computer lab facilities necessary to efficiently support all students and teachers to seamlessly integrate computers into daily instruction for the students and facilitating mandated CBT. **Improvements to the systems and network infrastructure will continue to be part of the 2016-2019 projects and initiatives.**

As a result of the 2011 needs assessment the technology department team determined that all classrooms in grades k-8 will need of a set of 6+1 desktop computers to enable access to instructional technology as well as CBT. This needs assessment will be updated during the 2015-2016 school year.

On November 2012, our board of education in a historical decision approves two major projects to bring the school district to the 21st Century in terms of technology infrastructure and support for instructional integration.

- Project #19 New Voice over IP Telephone System, a project that upgrades to a brand new (VOIP) Telephone System at all buildings in district that enables voice mail integration for every teacher/classroom/administrator as well as capabilities for emailing voice messages, making school specific and or even district specific announcements. In addition, it allows for full integration with our Active Directory and email system. Therefore ensuring compliance with school emergency and safety communication guidelines. This project was initiated during the 2014-2015 school year and is an ongoing project.

X

**Instructional Technology Plan - 2016**Instructional Technology Vision and Goals

---

Page Last Modified: 07/25/2016

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.**

A district technology committee is formed to develop and update the district technology plan. The stakeholders are made up of Teachers, Administrative Support Staff, Technical Support Staff and Administrators.

The committee reviews the instructional and administrative technology needs of the district and recommends updates and changes to the technology plan. In addition, we review the new applications and trends in instructional technology. Committee members participate in workshops and conferences to remain current with new initiatives and trends in educational technology. We incorporate these solutions to address the growing demands and challenges in our teaching and learning environments.

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.**

Funding for infrastructure improvements is lacking. The District needs to upgrade the wireless infrastructure throughout the district and did not get the funding necessary during the 2016-17 school year. We will resubmit the request again during the 2017-18 budget process.

Difficulty finding the right technical resources to support the technical needs of the IT Department.

**Instructional Technology Plan - 2016**

Instructional Technology & Infrastructure Inventory

Page Last Modified: 07/25/2016

**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?

BOCES Bo-Tie

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 Gbps or Mbps
Minimum Capacity	<ul style="list-style-type: none"> <li><input type="checkbox"/> Greater than 10 Gbps</li> <li><input type="checkbox"/> 10 Gbps</li> <li><input checked="" type="checkbox"/> 1 Gbps - &lt; 10Gbps</li> <li><input type="checkbox"/> 100 Mbps- &lt; 1 Gbps</li> <li><input type="checkbox"/> 50 Mbps - &lt; 100 Mbps</li> <li><input type="checkbox"/> 10 Mbps - &lt; 50 Mbps</li> <li><input type="checkbox"/> Less than 10 Mbps</li> </ul>
Maximum Capacity	<ul style="list-style-type: none"> <li><input type="checkbox"/> Greater than 10 Gbps</li> <li><input type="checkbox"/> 10 Gbps</li> <li><input checked="" type="checkbox"/> 1 Gbps - &lt; 10Gbps</li> <li><input type="checkbox"/> 100 Mbps- &lt; 1 Gbps</li> <li><input type="checkbox"/> 50 Mbps - &lt; 100 Mbps</li> </ul>

**Instructional Technology Plan - 2016**

Instructional Technology & Infrastructure Inventory

Page Last Modified: 07/25/2016

	Speed in Gpbs or 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.

	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 type="checkbox"/> 1 Gbps - < 10Gbps <input checked="" 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 type="checkbox"/> 1 Gbps - < 10Gbps <input checked="" 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	100	<input checked="" type="checkbox"/> Mbps <input type="checkbox"/> Gbps
Maximum Capacity of Switches	1	<input type="checkbox"/> Mbps <input checked="" type="checkbox"/> Gbps

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

0

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

- Yes
- No

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

**Instructional Technology Plan - 2016**

Instructional Technology & Infrastructure Inventory

Page Last Modified: 07/25/2016

50

**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?**

	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)	1,400	1,400
Laptops/Virtual Machine (VM)	1,051	1,051
Chromebooks	0	0
Tablets less than nine (9) inches with access to an external keyboard	240	240
Tablets nine (9) inches or greater with access to an external keyboard	72	72
Tablets less than nine (9) inches without access to an external keyboard	52	52
Tablets nine (9) inches or greater without access to an external keyboard	772	772
<b>Totals:</b>	<b>3,587</b>	<b>3,587</b>

**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)?**

2

**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.**

The district could use iPads to support and enhance communication and instructional needs for students with disabilities. These devices can be utilized with our students that require speech services as well as our students that have difficulty with communication.

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

	Number of devices in use
Document Cameras	50
Flat Panel Displays	0
Interactive Projectors	55
Interactive Whiteboards	67
Multi-function Printers	10
Projectors	71
Scanners	0
Other Peripherals	

**Instructional Technology Plan - 2016**

Instructional Technology & Infrastructure Inventory

---

Page Last Modified: 07/25/2016

	Number of devices in use
	8
<b>Totals:</b>	<b>261</b>

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

8 JVC Camcorders

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

Yes

**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

**Instructional Technology Plan - 2016**

Software and IT Support

Page Last Modified: 07/25/2016

**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	Yes
Mac OS 10 or later	Yes
Windows XP	Yes
Windows 7.0	Yes
Windows 8.0 or greater	Yes
Apple iOS 7 or greater	Yes
Chrome OS	No
Android	No
Other	No

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

(No Response)

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	Yes
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."**

(No Response)

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.**

None used

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

Instructional Technology Plan - 2016

Software and IT Support

Page Last Modified: 07/25/2016

**in the district.**

MS Office, Read 180, Fast Math, Castle Learning, Active Inspire

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

Destiny, Find It

**8. Does the district have a Parent Portal?**

Yes

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

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

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

(No Response)

**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

**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
Executive Director of Technology and MIS	0.50
IT Technicians	6.00
IT Support Staff	2.00
	<b>8.50</b>

**Instructional Technology Plan - 2016**

Curriculum and Instruction

Page Last Modified: 07/25/2016

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

The technology program currently incorporates integration of technology into the curriculum as a key centerpiece of the technology program in the Hempstead School District. The district's technology program goal is to create an atmosphere where teachers infuse technology into their courses of study, using student-centered, project-based learning activities in their classrooms. Technology is integrated into curriculum and instruction to create productive and engaged learners. To promote student achievement teachers use technology as a vehicle to enhance the curriculum. Students learn how to access, interpret, analyze, synthesize and use information to solve problems and communicate with others. It is our firm belief that technology supports learning by serving as a tool for teaching and learning, accommodating different curricular needs, varied learning styles, and providing access to information. Our program incorporates these tenets into everyday teaching and learning. Technology in the Hempstead School District is integrated seamlessly as students engage in educational, research, presentation and other activities in their classes, students find additional support through the use of each school media centers and library.

**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

**2B. If "Yes", please provide detail.**

In 2011-2012 grant funds made possible the purchase of 100 Lenovo laptops for use district wide to support the implementation of computerized based testing using NWEA Map Assessments. These computers were used as mobile labs and placed at any school even those without the computer infrastructure to support the testing at that time. Those schools without proper computer infrastructure have undergone an appropriate procurement and upgrade of the devices needed by installing wired computer labs at their Media Center-Libraries. Additional Laptops and updated workstation were deployed during the 2014-2015 school year to support these initiatives. During the 2013-2014 and 2014-2015 school year, computers were installed and upgraded for all special education, health, remedial reading, and speech staff as well as in classrooms servicing elementary and secondary special education students. District psychologists and social workers also received computers at this time. Interactive white boards continue to be deployed in both special education rooms and general education rooms as needs

**Instructional Technology Plan - 2016**

Curriculum and Instruction

Page Last Modified: 07/25/2016

are identified and funding is available.

During the 2015-2016 school year, 39 Epson BrightLink interactive whiteboards were installed and an additional 50 iPads for two Elementary schools were deployed.

All Kindergarten students in Prospect Elementary School will have access to an iPad. This deployment began during the fall of 2015. Full implementation is anticipated to continue into the 2016-17 school year.

Additionally, the district received funding from RTT funds to enhance the wireless infrastructure at the High School and deploy over 900 new mobile devices.

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

- 3B. **If "Yes", please provide detail.**

The committee reached out to the Special Education Department to ensure assistive technology needs of the district are addressed. Currently the district provides Dynovox devices for the out of district placement students. Additionally, several Speech teachers are assigned iPads to support instruction. The goal for the department is to provide iPad devices to the remaining Speech Teachers and Special Education Teachers and identify appropriate software that improve communication and language development as well as enhance teaching and learning in their general classes.

There is a need to provide mobile devices to support instruction in two 6-1-2 classrooms at Jackson Main Elementary School. An assessment will be conducted to determine the appropriate devices for those rooms.

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

- 4B. **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).**

The Bilingual Education Department is planning to deploy over 900 Tablet devices for student use in the classroom to enhance their instructional programs. In addition, requests have been made to install additional interactive whiteboards in several bilingual education classrooms during the 2016-17 school year.

**Instructional Technology Plan - 2016**Professional Development

---

Page Last Modified: 07/25/2016

**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.**

An emphasis on the integration of technology into curriculum and instruction is the focus of the district's technology training program. Our goal is to develop a training and curriculum model to be used for the integration of technology into the classroom. The model proposed is a five-day course of study for new teachers conducted by a staff trainer employed by the district for this purpose. These workshops will meet during the course of the school year for a total of five days at any extended Wednesday Professional Development Day. In addition, on Superintendent's Conference Days and after school hours, additional courses are provided for teachers appropriate to interests as well as district demands and initiatives. How to design research projects incorporating the use of online databases, steps to create PowerPoint presentations for effective instruction, how to gather primary source materials and utilize them in thematic units are examples of some of the most recent staff development initiatives. In addition, workshops and in-service courses have been offered with a focus on how to integrate technology into instruction. Teachers are encouraged to sign up for Nassau BOCES training sessions offered via My Learning Plan and other classes as well. In training workshops, teachers learn strategies, tools, and techniques to enable them to incorporate computers and software into the daily curriculum. Teachers are introduced to grade-appropriate software, learning tool software such as the components of Microsoft Office, and online resources. Once the teachers are comfortable using these resources, they then work in small groups to brainstorm units of study that are being used in their classrooms. These units of study match the goals and objectives found in the district's core curriculum and in the New York State Learning Standards. In addition to creating lesson plans for these units, teachers are also given the opportunity to create supplementary materials, such as PowerPoint presentations, Publisher brochures. Teachers participate in training on the use of Microsoft Office 365 and are encouraged to use the features and function of One Drive for Business. Department meetings serve as a forum to deliver instruction and relevant information regarding technology integration with an emphasis on the place of technology in the curriculum. Technology software and issues are demonstrated and discussed. A staff developer will continue to work with teachers during their prep and lunch periods as needed to further enhance understanding and use of technology. The modeling of lessons on a regular basis will reinforce strategies for the delivery of technologically integrated instruction and related concepts. Teachers are trained in the

**Instructional Technology Plan - 2016**

Professional Development

---

Page Last Modified: 07/25/2016

use of the laptop computers to promote effective use. New teachers are trained on the varied resources such as PowerSchool and My Learning Plan. New and veteran teachers receive training to ensure their understanding of the myriad uses and applications of technology in Hempstead Public Schools.

2. **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
Exec. Dir. of Technology	0.50
	<b>0.50</b>

Instructional Technology Plan - 2016

Technology Investment Plan

Page Last Modified: 07/15/2016

**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.

	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
1.	Staffing	300,000	Annual	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" 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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
2.	Wi-Fi	1,500,000	One Time	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" type="checkbox"/> District Operating Budget <input type="checkbox"/> District Public Bond <input checked="" type="checkbox"/> E-Rate <input type="checkbox"/> Grants <input type="checkbox"/> Instructional Material Aid <input type="checkbox"/> Instructional Resources Aid <input type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
3.	Desktops	500	Annual	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" 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 type="checkbox"/> Smart Schools Bond Act

Instructional Technology Plan - 2016

Technology Investment Plan

Page Last Modified: 07/15/2016

	Anticipated Item or Service	Estimated Cost	Is Cost One-time, Annual or Both?	Funding Sources May choose more than one source
				<input type="checkbox"/> Other
4.	Instructional Software	95,000	Annual	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" 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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
5.	Professional Development	75,000	Annual	<input type="checkbox"/> BOCES Co-Ser Purchase <input checked="" 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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
<b>Totals:</b>		<b>1,970,500</b>		

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

(No Response)

**Instructional Technology Plan - 2016**Status of Technology Initiatives and Community Involvement

---

Page Last Modified: 07/25/2016

**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.**

The district plans to increase the availability of devices that students and teachers have access to by deploying 700 iPads, and 900 Laptop/Tablet devices. In addition, Faculty, Staff, and Students will have access to Microsoft Office 365 in order to use cloud based computing. Additional access to district resources will be made available through Virtual Desktops which will allow access to network resources from home or public libraries.

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

- Home
- Community
- None

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

Public Library

**Instructional Technology Plan - 2016**Instructional Technology Plan Implementation

---

Page Last Modified: 07/25/2016

**I. Instructional Technology Plan Implementation**

- 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.**

The technology program currently incorporates integration of technology into the curriculum as a key centerpiece of the technology program in the Hempstead School District. The district's technology program goal is to create an atmosphere where teachers infuse technology into their courses of study, using student-centered, project-based learning activities in their classrooms. Technology is integrated into curriculum and instruction to create productive and engaged learners. To promote student achievement teachers use technology as a vehicle to enhance the curriculum. Students learn how to access, interpret, analyze, synthesize and use information to solve problems and communicate with others. It is our firm belief that technology supports learning by serving as a tool for teaching and learning, accommodating different curricular needs, varied learning styles, and providing access to information. Our program incorporates these tenets into everyday teaching and learning. Each library media center has access to customized online resources with the Follett and destiny platforms that are specifically crafted in response to assignments generated by subject area and classroom teachers across disciplines and grade levels. School library resources can be located by visiting the school's Web page and following the link to the library, or by visiting the district resources section of the website and following the link to Hempstead School Library Media Centers. Middle school students who are challenged to make distinctions among biomes first use graphic organizer software to set up and organize their topics and then engage in the research process by exploring a variety of online databases and taking notes. Their final presentation is a Microsoft PowerPoint and or Microsoft Publisher brochure that is shared with the class and may be posted on the school website. Additionally, computer teachers and librarians at the secondary school level collaborate with all subject classroom teachers to create and infuse technology-rich projects to enhance their curricula further. High school students who grapple with the problem of determining which contemporary president has made the greatest contribution to society and why utilize online note taking forms and explore a variety of online resources before engaging in a debate that is filmed and presented to an audience. Science and math students find that they achieve greater understanding of complex topics through the use of complementary textbook resources that are available as online resources. Students in all grades share assignments, resources, and finished products online.

**Instructional Technology Plan - 2016**

Instructional Technology Plan Implementation

---

Page Last Modified: 07/25/2016

Interdisciplinary

projects feature the use of technology.

During the 2015-16 school year, the District upgraded its systems and network environment to operate under one domain instead of the five

domains that existed in the past.

During the 2016-17 school year, there is a plan to replace any instructional workstations, desktops, and laptops that do not support the current

operating systems and network environment. If funding is approved, the district wide wireless infrastructure improvement project will commence. There is a plan to deploy over 1600 mobile devices by the end of December 2016.

During the 2017-18 school year, continue to replace outdated instructional workstations, desktops and laptops and focus on upgrading aging

interactive whiteboards and projection devices.

**Instructional Technology Plan - 2016**Monitoring and Evaluation

---

Page Last Modified: 07/25/2016

**J. Monitoring and Evaluation**

1. 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 outcomes of the Technology Plan will be measured in several ways.

- Evidence of technology integration in the instructional program will be evaluated through curriculum documents, curriculum maps, units of

instruction, classroom observations, professional goal setting and review, and formative assessments documenting student achievement.

- Evidence of the effectiveness of technology professional development will be measured by participation and participant feedback and the

integration of technology in curriculum, instruction, and assessment.

- Evidence of effective use of District expenditures will be reviewed by District administrators and the District Technology Committee.

Reports to committees, to the Superintendent, and to the Board of Education, as appropriate, will provide the basis for ongoing review and evaluation

of the Technology Plan.

The technology plan is evaluated by several means. It is recommended that in alignment with APPR mandates and as part of their observation work,

school building administrators note the usage of technology by teachers and students in classrooms.

Based upon this evaluation, recommendations can be made regarding the technology implementation process that is carried out in classrooms district

wide. These recommendations are brought to the Director of Technology and the Technology Advisory Committee, and new strategies are created and

resources are identified. Principals and Assistant Principals check teacher lesson plans and conduct classroom observations on a regular basis.

Comments are included if limited evidence of effective use of technology exists. The Department of Curriculum and Instruction then incorporates this

feedback into the comprehensive Professional Development plan for the district.

In addition, comments are added to a teacher's mid-year and end-of-year evaluations that indicate whether technology is well-integrated into each

teaching program as part of the Annual Professional Performance Review APPR process.

Through this process, modifications can be made in the technology training regimen, software, online resource and hardware selection, and

implementation process. The department of curriculum and instruction and staff development committee meets regularly and plans district staff

development days that are steeped with opportunities for teachers to enhance their technological know-how with an eye toward the effective

integration of technology into instruction.

Middle school students are evaluated for their technological skills through specifically scheduled computer classes or through

**Instructional Technology Plan - 2016**

## Monitoring and Evaluation

Page Last Modified: 07/25/2016

interdisciplinary

portfolios that the students assemble in ELA, MATH and or Science classes. In grade six, students receive direct instruction in technology tool

software (word processing, spreadsheets, database, Internet, presentation software, etc.). Sixth grade students learn and practice skills through the use

of the Microsoft Office Productivity Software. Evaluation consists of a final project. Students at all levels must incorporate all skills learned during

the semester into their final projects.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	<a href="http://www.hempsteadschools.org/site/de">http://www.hempsteadschools.org/site/de</a>	2000
Internet Safety/Cyberbullying*	<a href="http://www.hempsteadschools.org/site/de">http://www.hempsteadschools.org/site/de</a>	2000
Parents' Bill of Rights for Data Privacy and Security	<a href="http://www.hempsteadschools.org/site/de">http://www.hempsteadschools.org/site/de</a>	2015

**Instructional Technology Plan - 2016**

Survey Feedback

---

Page Last Modified: 07/25/2016

**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?**

(No Response)

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

(No Response)

5. **Other comments.**

(No Response)

**Instructional Technology Plan - 2016**

Appendices

---

Page Last Modified: 07/15/2016

**Appendices**

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

(No Response)