

Instructional Technology Plan - Annually - 2016

LEA Information

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**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	4,564	124	1,038	1,045	1,015	1,305	37

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

Marybeth Robinette

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

Chief Information Officer

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

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

*"Recognizing the strengths of our District's traditions, its history of community support, the diversity of our population and our commitment to educational excellence, the mission of the Huntington Union Free School District is to educate students by effectively teaching an enriched body of knowledge through the active participation of all students, building upon their unique talents and abilities to produce creative, self-assured, responsible citizens who are capable of critical thought and action."*

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

The Mission Statement contains 4 main focuses pertaining to student achievement and their preparation for the future:

1. Teaching an enriched body of knowledge
2. Active participation of all students
3. Building unique talents and abilities
4. Produce creative, self-assured, responsible citizens who are capable of critical thought and action.

The Technological Vision of the Huntington School District is to advance the academic achievement of all by integrating Technology into curriculum and instruction. People in the 21st century live in a technology and media-rich environment, with immediate access to an abundance of information. Rapid changes in technology tools and the ability to collaborate continue to advance at an unprecedented rate. For our students to be effective in the 21st century as active citizens and workers they must have the ability to exhibit a wide range of functional and critical thinking skills in the areas of information literacy, media literacy and communication literacy. Our vision is to meet these challenges by incorporating the 21st Century Standards and International Society for Technology in Education National Educational Technology Standards into our curriculum and instruction with the intent that it will lead to less focus on technical skill sets, and more emphasis on core content delivery. The above goals of the mission statement can be achieved with the aid of technology:

- focusing on 21st century skills, content knowledge and expertise
- utilizing multimedia to accompany core content lesson material
- introducing technological accessories that aid in addressing all learning styles as to differentiate instruction
- allowing those with "digital native talents and skill sets" to express their knowledge and abilities and to share with others
- providing teachers with real time student data to analyze trends and adjust curriculum accordingly
- communicating with parents and community via Google Sites, District Web Page, Parent Portal, eboards and social media
- providing students with an ability to self-assess and reflect on their own growth
- alignment to common core curriculum in ELA and math and transition on-line testing in ELA and math.
- subscribe to on-line textbooks

By integrating technology into curriculum and instruction, we will be aiding in the goal of creating independent citizens that are not only capable of critical thought and action, but also future workers that will be able to easy assimilate into the global market

**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.**

Our district has a technology committee that met 4 times this year. November 19, 2015, January 14, 2016, March 10, 2016, and May 5, 2016. The committee included Central Office personnel (Superintendent and Assistant Superintendents), building administrators, teachers, tech staff, community members, students and parents. Our non-public school within the district was part of the committee and attended meetings as well. We reviewed the mission of the committee, discussed the technology currently owned by the district and what was on the wish list from stakeholders. Committee members filled out a survey to address the needs of the groups that they represented. We also reviewed the plans that other districts posted on line before creating our own plan. During the March and May meetings we reviewed and tweaked the plan that was ultimately placed on the District website and approved by the Board of Education at a public hearing. Because replacing older interactive white boards is part of the SSIP, the committee also reviewed different boards before two boards were chosen for review by teachers within the district. During our March meeting we had a webinar where the TouchIt device was demonstrated and its features highlighted. At the May meeting, TEQ brought in and demonstrated a new LED Smartboard. These devices were then piloted by teachers in the district.

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

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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.**

Huntington UFSD has purchased 2000 Chromebooks this summer to be deployed in the 2016-2017 school year. With this increase in devices, we are in the process of adding Access Points, Tech Staff and increasing the Professional Development opportunities for teachers. We are offering 6 Google Classroom sessions, as well as a 3 day in-service course in Google Classroom. Our Tech Staff is increasing. A Network Engineer started during the 15-16 school year and a new technician will be hired in 16-17. We are installing APs in the high school and in 2nd grade classrooms this summer to accommodate all the devices. As these projects are completed, our gap should be eliminated.

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

**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?

Western Suffolk 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"> <li><input type="checkbox"/> Greater than 10 Gbps</li> <li><input type="checkbox"/> 10 Gbps</li> <li><input 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 checked="" 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 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 checked="" type="checkbox"/> Less than 10 Mbps</li> </ul>

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	<ul style="list-style-type: none"> <li><input type="checkbox"/> Greater than 10 Gbps</li> <li><input checked="" type="checkbox"/> 10 Gbps</li> <li><input type="checkbox"/> 1 Gbps - &lt; 10Gbps</li> </ul>

Instructional Technology Plan - Annually - 2016

Instructional Technology & Infrastructure Inventory

	Please provide the speed at which classrooms are connected to building wiring/network closet.
	<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 checked="" 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

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?

0

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?

70

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)	1,013	1,013
Laptops/Virtual Machine (VM)	391	391
Chromebooks	2,302	2,302
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	79	79
Tablets less than nine (9) inches without access to an external keyboard	360	360
Tablets nine (9) inches or greater without access to an external keyboard	0	0
<b>Totals:</b>	<b>4,145</b>	<b>4,145</b>

**Instructional Technology Plan - Annually - 2016**

Instructional Technology & Infrastructure Inventory

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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)?**

12

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.**

Additional assistance or resources needed include: Trainings by Teacher of the Deaf, Teacher of the Visually Impaired, Speech Therapist, Physical Therapist and Occupational Therapist in regard to proper use of devices, maintenance and how to teach the students the function, care and access to the items. Further team meeting and parent trainings also need to take place. Further Training by Accessible Learning is needed for implementation and application of new programs for language development, written expressive access and auditory development.

Currently we have had to purchase new FM Systems due to updates and improvements in the technology. Also, for Communication tools (I-Chat, I-Pads with Proloquo2Go, Boardmaker, etc.) we have had to update site licenses and purchase updated apps. In regard to dictation and writing software we have needed to provide students with direct access (designated sessions with OT or other provider) to build keyboarding and "tech" awareness so that they can navigate the devices and use them appropriately throughout the school day.

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

	Number of devices in use
Document Cameras	64
Flat Panel Displays	0
Interactive Projectors	1
Interactive Whiteboards	286
Multi-function Printers	31
Projectors	275
Scanners	0
Other Peripherals	153
<b>Totals:</b>	<b>810</b>

**Instructional Technology Plan - Annually - 2016**

Instructional Technology & Infrastructure Inventory

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

Apple TV	22
Bamboo Craft Pen and Touch	1
Bose Speakers	1
Bretford Ipad Synch Station	3
Clear One Chat 150-Grp Speakerphone	1
La Cie DVD Rewritable Drive	1
Lacie DVD/RW	1
Logitech Headset	8
Maker Bot 3D printer	1
Maker Bot Replicator Mini	1
Plastek Optifilm 7400	1
Polycom VSX5000	1
ScanMaker 4800	1
Senteo	9
Smart Airliner WA100-R1	11
Smart Resonse	3
Smart Slate WS200	7
Smart UPS 700	1
Sony Bravia	1
TriBeam Synch Station (30)`	1
Tripp Lite	1
WD MY Book External HD	3
Charging Carts	73
Grand Total	153

**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)?**

Yes

**16a. On an average school day, approximately how many student devices access the district's network?**

600

**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

**Instructional Technology Plan - Annually - 2016**

Instructional Technology & Infrastructure Inventory

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**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 - Annually - 2016

Software and IT Support

**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	No
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."**

(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	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."**

(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.**

Blackboard

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

Google Classroom  
 Castle Learning  
 ThinkCentral  
 Discovery Education  
 BrainPop

Instructional Technology Plan - Annually - 2016

Software and IT Support

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

Proquest SIRS  
 Britannica School  
 Enchanted Learning  
 Blooms Literary Reference Issues  
 Controversies in American History

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).

Other: State Assessment results and Registration and Emergency Contact information can also be accessed and some information can be updated via the parent portal.

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".

Teachers post information about assignments on their e-boards and/or Google sites. These also contain links to assist students with activities and may contain teacher made videos to assist students and parents. Teachers also use the Remind App to send out information to students and parents.

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
IT Support	3.00
Network Engineer	1.00
	<b>4.00</b>

## Instructional Technology Plan - Annually - 2016

## Curriculum and Instruction

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

The district plans to integrate the use of technology into all aspects of curriculum, instruction and administration so that its use extends opportunities and potential for all students. By bringing the number of Chromebook devices to approximately 3000, Huntington students have access to internet resources and collaboration opportunities. Teachers can use certain programs to differentiate instruction to meet the needs of students sitting in front of them. This can be done through the use of software that adapts to students needs (Math 180, Read 180 and others) and through the use of planning and internet resources such as YouTube videos, LearnZillion and Khan Academy to personalize instruction. Teachers can use interactive white boards to engage students and increase student participation in class. Students can collaborate with students regardless of their physical location through the use of Google Classroom and Google Hangouts. Huntington is piloting KidOYO, to embed coding into classes at the elementary and middle grades. Another program, School4One, will allow teachers to push out the NYS Math Modules to students in grades 3-5, give audio and video feedback to students as well as keeping a record of how students perform on specific state standards. This will be an LMS that Huntington will review this coming year.

Huntington will continue to collect classroom walkthrough data via Google forms. This data is used to identify areas of strengths and weaknesses, so Professional Development can be planned accordingly. The District also reviews state and local assessment data to identify areas of need.

**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.**

Students with disabilities will receive Chromebooks and have access to software, the internet and Google classroom, just like the other students in their grades. Google classroom will assist the students with organization and access to appropriate materials. Students can use web-based software to remediate learning. These students will have access to all the devices, programs, LMS and software that the other students access. These may include coding activities, creating 3-D projects and incorporating robotics into learning. Depending on their need, these students may be provided with e-textbooks, laptops/iPads, Chromebooks, FM Systems to amplify sound, timers and self-monitoring software to increase on task behavior. When purchasing software, the district is committed to choosing vendors that offer alternate formats to ensure accessibility for students with disabilities.

**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.**

Depending on their need, students with disabilities may be provided with e-textbooks, laptops/iPads, Chromebooks, FM Systems to amplify sound, timers and self-monitoring software to increase on task behavior. When purchasing software, the district is committed to choosing vendors that offer alternate formats to ensure accessibility for students with disabilities.

**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).**

Huntington UFSD is at the forefront of innovative use of technology with ENL students. These students participate in coding activities, creating 3-D projects and incorporating robotics into learning. Students with devices also participate in Virtual Advance Placement classes and take virtual remedial classes in both math and literacy. ENL student utilize devices to supplement classroom learning and to be part of technology-delivered software programs that develop specific skills in literacy and math.

**Instructional Technology Plan - Annually - 2016**

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.**

We have two part-time tech staff developers who will meet with teachers during the school year based on the needs of teachers. Teachers schedule meetings with them during their prep, or before or after school. These teachers are also available to push-in to classes to work with teachers while they are using technology. These staff developers plan lessons, model lessons and assist teachers as they incorporate technology into their classes. During the summer, teachers attend Google Classroom training (6 individual days) and can attend multiple days. There are approximately 50 teachers involved in these sessions. Other teachers attend a 3 day in-service class also on Google Classroom. School4One is an LMS being piloted at the elementary level by the district in 2016-17 and training for its use will be on-going throughout the year, beginning in August. At the secondary level, Schoology is being piloted and training for it will begin in September and be ongoing. Our Smart Notebook software has been upgraded with many new features. Training webinars and in-person training on it will take place throughout the coming year. The district is also bringing in KidOYO, a coding initiative. Teachers/librarians from 3 of the district schools are participating in multi-day training and will then turnkey this in the 16-17 school year.

Additionally, teachers have formed collegial circles which meet bi-weekly after school where teachers share best practices and help each other plan lessons and troubleshoot issues.

District teachers and administrators also attend training in Google Classroom, Google Summit, and Technology Leadership, given through Western Suffolk BOCES, teachers and administrators also participate in conferences held locally and nationwide. These conferences include, but are not limited to Long Island Technology Summit, ASSET Technology Conference, Model Schools, and ASCD.

When data is reviewed from district walkthroughs, additional professional development will be scheduled as needed.

Finally, our administrative team has created Google Classrooms where articles and assignments are shared with other administrators and teachers, modeling the approach we would like teachers to use with their students.

- 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
Staff Developer	0.40
Director of IT	0.40
Tech Mentors	0.40
	<b>1.20</b>

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

**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.	Interactive Displays/Projectors/Whiteboards	150,000	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 checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
2.	Chromebooks	400,000	Both	<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 checked="" type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
3.	Server/Network Software	100,000	Both	<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
4.	Other	400,000	Both	<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.	Network Cabling	100,000	Both	<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

Instructional Technology Plan - Annually - 2016

Technology Investment Plan

	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
<b>Totals:</b>		<b>1,150,000</b>		

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

We plan to upgrade security at our schools, including surveillance systems and door access.

**Instructional Technology Plan - Annually - 2016**

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.**

Huntington is expanding their 1 to 1 device initiative. In 2015-16, students in grades 7 and 8 were given devices to use at home. In 2016-2017, this initiative will expand to include students in grades 9 and 10, and select classes at Huntington High School. The use of cloud based computing systems also allow students and teachers to access technology from home and in the community. Students have access to Google Drive and teachers have access to Google Drive, as well as One Drive through Microsoft 365.

**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.**

The internet is available to students via local businesses and public libraries.

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

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**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.**

In the 2015-2016 school year, Huntington expanded its Chromebook initiative to include students in grades 4 and 6 with classroom sets of devices. In grades 7 and 8, students were given Chromebooks to use both in school and at home, in our first 1 to 1 initiative. Training was provided to teachers in the use of Google Classroom and Google Apps for Education. Teachers were trained by in-district staff developers, BOCES workshops, and workshops provided by other vendors.

During the summer of 2016, approximately 2000 new touchscreen chromebooks will arrive for students to use in grades 3-5. The devices that students had in those grades will be redistributed to second grade classrooms and at our high school to expand our 1 to 1 initiative.

During the 2016-2017 school year, teachers in grades 3 through 5 will pilot School4One, using the NYS Math Modules in September. Because the new Chromebooks have touchscreens, teachers will also incorporate the use of DESMOS math activities during their lessons and will receive training in the fall. Teachers in all grades will continue to use Google Classroom to enable students to collaborate on projects in all curriculum areas.

KidOYO (a coding program) will be introduced to students at Jack Abrams STEM Magnet, Woodhull Intermediate School and Finley Middle School. Staff from KidOYO, math coaches and our district librarians will spearhead this endeavor. The idea is to have students using coding as part of other curriculum projects, which will foster interest in computer science in the upper grades.

Six tablets will be purchased grades K and 1 during the 2016-2017 school year to be used as a technology center in those classrooms. Software and apps will be identified to reinforce the curriculum and give students experience using devices. Each year for the next few years, six additional tablets will be purchase for students in these grades, until classroom sets are complete.

During the 2016-2017 school year, teachers in grades 9-10 will pilot Schoology in September and will be using Google Classroom and other applications to coincide with the introduction of Chromebooks at the high school. Teachers are attending training this summer and will be supported by a part-time staff developer. We are installing charging stations for common areas at both the middle school and high school to support the 1 to 1 initiative.

To support the new devices and the redeployment of devices, technicians are installing Access Points this summer (2016) to ensure connectivity throughout the district. We are also upgrading our server to increase the bandwidth to meet the requirements for the Smart Schools Investment Plan. We will offer smart notebook training to teachers, so they can take advantage of all the new features it has to offer, including game-like templates to enhance participation and integration of the Chromebooks with Smart Notebook.

Administrators will conduct weekly walkthroughs of classrooms starting in October and will record information regarding the technology being incorporated into the classes, what is being used, who is using it and the level of student engagement. Data will be analyzed and professional development in the area of technology will be planned based on the results.

Student technology leaders at the middle school and high school will be identified and given "help-desk" responsibilities starting in October. Students will be assigned to common areas (lunch, library) and will be available to assist other students and teachers struggling with technology issues.

In 2017-2018 and beyond, the District will continue to purchase devices, until students in all grades have access to them. Using SSIP money and District money, we will continue to buy devices and replace older interactive white boards with new LED boards. Our plan is to have teachers and students who are technology experts, support those in the district who are less comfortable with technology. These tech leaders will have help desk responsibilities and will be available in common areas for drop in as well as scheduled help.

Along with the increase in devices and the replacement of older technology, we will grow the technology support staff (as budgets permit) to support the infrastructure and device initiatives.

**Instructional Technology Plan - Annually - 2016**

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 current practice in Huntington is for administrators to conduct walkthroughs weekly, between October and December and again in January through May (excluding testing periods). Administrator fill out forms electronically via tablets or phones to collect data to assess technology integration and other curriculum areas of focus. The data from these walkthroughs is examined at Administrative Council sessions in December and May and professional development for teachers is then developed based on these observations.

Huntington also has a committee of technology leaders that meets four times a year to discuss and plan for technology initiatives. Teachers and administrators at the building levels provide feedback on what is happening in the schools and what changes are needed, if any. The committee meets in November, January, March and May.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	<a href="https://eservices.nysed.gov/sedmonitoring/survey-entry?id=33988&amp;pagelid=17784&amp;sectionid=17761">https://eservices.nysed.gov/sedmonitoring/survey-entry?id=33988&amp;pagelid=17784&amp;sectionid=17761</a>	2001
Internet Safety/Cyberbullying*	<a href="http://www.boarddocs.com/ny/hufsd/Board.nsf/Public/Policy%207580">http://www.boarddocs.com/ny/hufsd/Board.nsf/Public/Policy 7580</a>	2013
Parents' Bill of Rights for Data Privacy and Security	<a href="http://www.boarddocs.com/ny/hufsd/Board.nsf/files/9N5T5Y73042C/\$file/Parents%20Bill%20of%20Rights%20-%20Data%20Privacy%20%26%20Security.pdf">http://www.boarddocs.com/ny/hufsd/Board.nsf/files/9N5T5Y73042C/\$file/Parents%20Bill%20of%20Rights%20-%20Data%20Privacy%20%26%20Security.pdf</a>	2014

**Instructional Technology Plan - Annually - 2016**

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?**

Nothing comes to mind.

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

None

5. **Other comments.**

(No Response)

Instructional Technology Plan - Annually - 2016

Appendices

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**Appendices**

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

(No Response)