

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	6,921	140	1,154	1,461	1,692	2,429	45

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

Michael Inforna

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

Other

3a. If the response to question 3 was "Other", please provide the title.

Elementary Assistant Principal

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Instructional Technology Vision and Goals

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B. Instructional Technology Vision and Goals

1. Please provide the district mission statement.

The Commack School District Mission Statement

Within the context of a caring community of learners, our primary mission is to provide an exemplary learning experience that will allow each child to acquire the necessary knowledge, skills, attitudes, and values to become a successful, contributing member within our school community and greater society.

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

The fundamental goal of the Commack Public School District is to support student achievement by providing all students engaging and empowering learning experiences. Our District motto, Excellence in Education, is exemplified by our students' achievements and by our commitment to provide our professional staff with the skills and tools that will enable them to utilize best practices in creating the best possible learning environments for students.

Our technology plan is aligned with our district-wide K-12 curriculum objectives, New York State Learning Standards, and the International Technology in Education Standards. Additionally, content or course specific standards for teaching and learning are embedded throughout this plan and the curriculum as appropriate. For example, the Computer Science Teachers' Association's K-12 Computer Science Standards are used as a guiding framework in our computer science courses. This plan also incorporates elements of cyber-security training for both staff and students as well as considers the S.A.M.R. and TPAK research-based frameworks for technology integration. This plan will serve as a guide to help teachers integrate grade-level appropriate technology skills into daily instructional activities. It is our belief that technology is a means to an end, not an end in itself.

The Technology Plan presents a roadmap for increasing student performance in our classrooms. It will support our students' learning experiences and introduce them to new ideas and concepts. While we recognize that this plan addresses present and future needs, it cannot be all encompassing as the technology we use today was not available to schools five or even three years ago. This plan has to have some degree of flexibility to allow for the rapid changes in technology. The plan will be consistently reviewed to provide that the District's technological capabilities and approach meets the needs of our students, staff, and community for the time.

The pages that follow are a guide to help our students tap into the power of technology. Implementation of this plan is rooted in the belief that:

- Technology levels the playing field for many students as they will be introduced to new people, places, and ideas.
- Technology will actively engage more students in the learning process.
- Technology engages students in activities that are intentionally designed to promote skill achievement related to the ISTE Standards for Students.
- Technology will connect the school and District to more homes through our internet and email notification systems and other communication tools.
- Technology will provide opportunities for teaching to various modalities and to apply assistive technology when needed.
- Technology will allow students to learn to access, analyze, and synthesize information from a variety of sources.
- Technology is and will continue to be a part of the work place, the academic world, and the home.
- Technology can provide the means for collecting and analyzing short-range and long-range data for informed decision making.

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.

This plan is developed collaboratively by the District Technology Committee. This committee represents the various stakeholder groups within the District across all grade-levels, content-areas, and disciplines. The committee also includes technology staff, curriculum coordinators and directors, pupil personnel services staff, teachers, and school library media specialists. This committee meets at various times throughout the school year to evaluate and make recommendations to the District's technology initiatives.

Further, through various avenues including, but not limited to, focus groups, public meetings, Site-Based Management Teams, and the Smart School Bond Act committee, we continue to include students, parent, and community input in the development of our technology initiatives.

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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.

In regard to cabling, connectivity, network and staff, the gap is caused by resources. Although the SSBA will assist the District with enhancing its infrastructure, this funding is a one-time funding stream. This coupled with the tax cap requires the District to prioritize its spending plan accordingly in regard to technology infrastructure. Our goal is to close this gap over time through multi-year budgeting.

The gap in Professional Development is caused by the introduction of new technology to the District. Given the adoption of Microsoft Office 365 for Education, it is necessary for the District to provide training and we are excited to engage in work to close this gap.

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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?

Optimum Lightpath

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"> <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
Maximum Capacity	<ul style="list-style-type: none"> <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

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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Instructional Technology & Infrastructure Inventory

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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	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

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)	1,867	1,867
Laptops/Virtual Machine (VM)	554	554
Chromebooks	543	543
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	0	0
Tablets less than nine (9) inches without access to an external keyboard	215	215
Tablets nine (9) inches or greater without access to an external keyboard	0	0
Totals:	3,179.00	3,179.00

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)?

5

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.

It would be beneficial obtain district-wide licenses for commonly prescribed AT tools. For example, word prediction, speech-to-text, and screen-readers. Further, site-based license would allow students access when at home.

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

	Number of devices in use
Document Cameras	40
Flat Panel Displays	16
Interactive Projectors	20
Interactive Whiteboards	472
Multi-function Printers	25
Projectors	473
Scanners	25
Other Peripherals	0
Totals:	1,071.00

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

(No Response)

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)?

Yes

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

3,500

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)	No
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.**

ManageBac

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

SMART Notebook
 Microsoft Office / O365 for Education
 Video
 Reading A-Z
 Web-based Applications

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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.

Questia
 JSTOR
 ABC-CLIO
 Bloom's Literary Reference Online
 Proquest

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).

(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
MIS Admin	1.00
Network and Systems Technician 1	3.00
Technician Level 1	2.00
	6.00

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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?

New technologies have provided an opportunity for students and teachers to explore powerful new learning tools, which are transforming teaching and learning. Integrating technology with teaching and learning allows each child an opportunity to acquire the necessary knowledge, skills, attitudes, and values needed for the present and the future; in the context of 21st century skill development. The technology plan for the Commack UFSD is designed to provide students with access to technology and technological modalities for learning that will broaden and deepen their content knowledge as well as enhance student development of 21st century skills.

All students will have the opportunity to access learning materials in electronic form, including video, text, and other digital content related to the school curriculum. Students will be creative, define and solve problems, and research and evaluate information using technology as it is integrated with the curriculum. Students will manage the flow of information and use technology to collaborate with learners from diverse backgrounds and various, world-wide locations. Our students will develop innovative approaches and skill sets to communicate and collaborate.

The District will base its instructional approach to teaching and learning with the International Society for Technology in Education (ISTE) standards. Through the use of web-based applications such as Microsoft Office 365 for Education, Core Clicks, , Discovery Education, PLTW/STEM Programs, Reading A-Z, and others, educators in the District will intentionally plan instruction and assessment with the ISTE standards in mind. The ISTE standards will be integrated into teaching and learning while aligned with the District's general education curriculum.

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.

The needs of students with disabilities are addressed in several ways. Teachers are encouraged to participate in workshops, conferences, and seminars that address curriculum technology skills, assistive technology hardware and software, and the implementation of technology across the curriculum. Equitable access to students and staff through the use of assistive technology tools is provided. Information regarding students with disabilities is provided to relevant staff members through use of IEP Direct.

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.

The provision of assistive technology specifically for students with disabilities to ensure access to participation in the general curriculum by providing assistive hardware and software tools such as word processing, word prediction, text-to-speech, speech-to-text, magnification, amplification, and mind-mapping tools . With the assistance of these tools, students with disabilities are able to access and participate fully in the general education curriculum.

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).

The provision of technology specifically for English Language Learners ensures access to participation in the general curriculum by providing technology tools such as translation, text to speech, speech to text, and others . With the assistance of these tools, English Language Learners are able to access and participate fully in the general education curriculum.

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Professional Development

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F. Professional Development

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Professional Development

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1. 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.

Topic	Audience	Method of Delivery	NYSED PD Standard(s)	ISTE Standard(s)
Microsoft Office 365 for Education	K-12 Teachers	Workshops/Microsoft Teacher Academy/Microsoft Certified Educator	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	1, 2, 3, 4, 5, 6
Infinite Campus	K-12	Workshops	1A, 1C, 1E, 1F, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A-C, 7A, 7C, 8A-D, 9A-G	2, 3, 6
ManageBac (IB upload program)	9-12	Workshops	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	2, 3, 6
Castle Learning	K-12	Workshops	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5A-C, 6A, 7C, 8A-D, 9A-G	2, 3, 6
Smart Software	K-12	Workshops, Peer Observations	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	1, 6
Various Web-Based Applications that are in compliance with the Parents Bill of Rights	K-12	Workshops	1A, 1C, 1E, 1F, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5A-C, 6A, 7C, 8A-D, 9A-G	1, 2, 4, 5, 6
Streaming Video (Silverlight, Youtube, etc.)	K-12	Workshops	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	4, 5, 6
APPLE TV / iPads	K-12	Workshops	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	1, 2, 3, 4, 5, 6
Flipped Classroom	6-12	Workshops/Peer Observations/ PLC	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	1, 2, 3, 4, 5, 6
Research-Based Methodologies in Technology Integration	K-12	Workshops/ PLC	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	3,4,6
Cyber-Security	K-12	Workshops/Faculty/ Department Meetings	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A-G	5,6

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Computer Coding / Computer Science	3-12	Workshops/ PLC	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A- G	1, 2, 3, 4, 5, 6
How to Use Online Textbooks to Support Instruction	K-12	Workshops/ PLC	1A, 1C, 1E, 1G, 1H, 2C, 2D, 3A, 3B, 4A, 4B, 4C, 5B, 5C, 6A, 7C, 8A-D, 9A- G	1, 2, 3, 4, 5, 6

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
Lead Teacher of Tech	0.40
	0.40

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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	Network Cabling	330,000	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.	Switches	550,314	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.	Laptops	500,100	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.	Staffing	120,000	Annual	<input checked="" 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 type="checkbox"/> Smart Schools Bond Act <input type="checkbox"/> Other
5.	Office/Productivity Software	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
Totals:		1,575,414.00		

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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.

(No Response)

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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.

Student and teacher use of technology, in school, at home, and in the community will be increased through teaching and learning. In school, students and teachers will continue utilize a variety of technologies to enhance teaching and learning. To further increase the use of technology by students and teachers, professional development will be offered to teachers in best-practices for using technology in the classroom. In turn, as the teachers implement these technologies in the classroom, teachers will intentionally integrate into their lesson plans the skills necessary for students to effectively learn with technology.

At home, the District will offer to students a variety of methods to access technology through the web. For example, students will be able to access a variety of library databases and web-based applications such as Pebble Go, Castle Learning, Raz-Kids, Rosetta Stone, and many others from their home computer. Further, the District has began a multi-year process of providing each student with Microsoft Office 365 for Education . This suite is the most powerful technology tool the District has to connect students, staff, and the community.

In the community, the district is seeking to extend and enhance to use of its communications systems. This includes, but is not limited to, the district phone system and email/text message notification systems.

It is important, and exciting, to note that this plan also includes the adoption of Microsoft Office 365 for Education. With the introduction of this platform as a learning tool, students, and staff have the ability to access a wide-range of tools from anywhere at anytime.

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 public library and some local businesses offer free wi-fi to the community.

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I. 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.

Year	Timeline	Milestone	Status	C&I or Infrastructure
2015	Fall	Implement virtual server solutions to consolidate equipment	Completed	Infrastructure
2015	Fall	Streamline existing software titles, moving to web based applications where possible	Completed	Infrastructure
2015	Fall	Train teachers on cyber-security	Continuing	C&I
2015	Fall	Implement and Evaluate a pilot of Google Apps for Education	Completed	C&I
2015	Fall	Refresh desktop/mobile computers using BOCES lease programs	Completed	Infrastructure
2015	Spring	Inform parents about cyber-safety issue	Continuing	C&I
2015	Summer	Expand our wireless network infrastructure	Completed	Infrastructure
2015	Summer	Expand our district-wide IP addressable video security system	Completed	Infrastructure
2016	Fall	Microsoft Office 365 Student and Parent Training		C&I
2016	Fall	Educate students on cyber-safety and in the appropriate uses of technology through an understanding of the principles delineated in the District's Acceptable Use Policy (AUP).		C&I
2016	Fall	Evaluate the use of digital portfolios and rubric-based assessment of student technological competencies		C&I
2016	Fall	Develop plans for multipurpose technology rooms for student/educational use		C&I
2016	Fall	Implement multi-factor authentication (MS Azure)		Infrastructure
2016	Fall	Implement advanced threat protection (Microsoft)		Infrastructure

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2016	Fall	Implement vulnerability assessment scanning		Infrastructure
2016	Fall	Implement staff security training		Infrastructure
2016	Fall	Implement log management and archive		Infrastructure
2016	Fall	Implement additional policies and procedures		Infrastructure
2016	Spring	Continue to provide and further explore the use of assistive technology		Infrastructure
2016	Spring	Investigate new telephone system to meet District needs		Infrastructure
2016	Spring	Provision Office 365	Completed	Infrastructure
2016	Spring	Create initial user accounts	Completed	Infrastructure
2016	Spring	Microsoft Office 365 Presentation	Completed	Infrastructure
2016	Summer	Setup Azure AD Premium		Infrastructure
2016	Summer	Synchronize staff user accounts to O365		Infrastructure
2016	Summer	Copy user home folders to O365		Infrastructure
2016	Summer	Microsoft Office 365 Staff Training		C&I
2016	Summer	Reconfigure email server for hybrid mode		Infrastructure
2016	Summer	Move user mailboxes to O365		Infrastructure
2016	Summer	Modify domain to point to O365 email server		Infrastructure
2016	Summer	Setup student accounts in O365		Infrastructure
2016	Summer	Identify new telephone system		Infrastructure
2017	Fall	Expand the district website for community outreach and as a communication tool		Infrastructure
2017	Fall	Offer parent workshops		C&I
2017	Spring	Continue with multi-function printers to move to an increasingly digital environment		Infrastructure

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2017	Spring	Evaluate the current computer education and information literacy curriculum	C&I
2017	Winter	Replace older Interactive White Boards across all grade levels	Infrastructure
2017	Winter	Implement Internal segmentation firewall (SS contingent)	Infrastructure
2017	Winter	Install fiber WAN upgrade for redundancy	Infrastructure
2017	Winter	Install Hubbs data center switch/router/firewall upgrade	Infrastructure
2017	Winter	Install Internet connection for CMS	Infrastructure
2017	Winter	Install CMS data center switch/router/firewall	Infrastructure
2017	Winter	Install building switch upgrades	Infrastructure
2017	Winter	Install lab switch upgrades	Infrastructure
2017	Winter	Install Fiber to Cedar Road School	Infrastructure
2017	Winter	Install 1500 mobile computers at CHS	Infrastructure
2017	Winter	Install mobile computer wall mounts at CHS	Infrastructure
2017	Winter	Install 130 Smart Boards to replace Numonic boards	Infrastructure
2017	Winter	Install District telephone system	Infrastructure

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Monitoring and Evaluation

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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.

In order to evaluate this plan, the District Technology Committee will meet at least twice during the 2016-17 school year. Further, as appropriate for each technology project, small focus groups will be called to order to provide for a consistent feedback loop during these projects.

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

	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	http://www.commack.k12.ny.us/forms/computeruserregulation.asp	1999
Internet Safety/Cyberbullying*	http://www.commack.k12.ny.us/forms/computeruserregulation.asp	2001
Parents' Bill of Rights for Data Privacy and Security	http://www.commack.k12.ny.us/parent/CommackParentBillofRights.pdf 201	2015

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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?

(No Response)

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

(No Response)

5. Other comments.

(No Response)

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Appendices

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Appendices

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

(No Response)