

Instructional Technology Plan - 2015

LEA Information

Page Last Modified: 10/09/2015

A. LEA Information

1. **What is the total student enrollment based on the most recent BEDS Day submission?**

7,186

2. **What is the student enrollment by grade band based on the latest BEDS Day submission?**

	Enrollment
Grades K-2	1,772
Grades 3-5	1,586
Grades 6-8	1,534
Grades 9-12	2,011

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

[REDACTED]

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

[REDACTED]

Instructional Technology Plan - 2015Instructional Technology Vision and Goals

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

The mission of the Central Islip Public Schools is to enable all students to fulfill their potentials and become responsible, contributing adults able to thrive in a culturally diverse, changing world. In partnership with the entire community, we will provide a quality, educational experience that offers equitable learning opportunities in a safe environment. We will link home, school, and community to ensure a positive, supportive education that fosters student excellence and success.

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

As society continues to move forward in the 21st century, it must become increasingly global, diverse, and technologically fluent. Central Islip envisions an equitable environment where all students have equal access to knowledge through information tools, which will enable them to become life-long learners. Use of technology will expand students' educational opportunities and better prepare them for the ever-changing world. In essence, the use of technology must become natural and common.

Central Islip's administrators, teachers, students and community will work together as a whole in establishing a commitment toward a collaborative technological learning environment. All students and staff will have the ability to access computer technology in the classrooms, library media centers and computer labs, thereby connecting the classroom to a world where access to and synthesis of information become the foundation for success. Through rigorous academic standards, high expectations and a technologically integrated curriculum, the Central Islip School District will develop students who possess the imagination to dream and the ability to determine their future.

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.

Changing Expectations and Implications

The purpose of this three-year comprehensive district technology plan is to provide the framework for guiding all stakeholders in establishing enriched learning and meaningful instruction in working environments that are supported by technology.

With the advent of the APPR (Annual Professional Performance Review), NYS Learning Standards, changes in the NYS assessments and new accountability and data reporting requirements, there is an immediate need to establish a new climate in order to achieve success. Technology will help both students and the district to achieve their goals if the necessary policies, human, physical and financial conditions are in place to facilitate that effort.

Traditional educational practices no longer provide students with all the necessary skills for meeting the demands of the NYS Standards, or for economic independence and personal success in today's workplace. Today's educational setting must include strategies and tools to prepare students to meet rigorous academic standards, as well as all of the challenges life will throw at them. The setting must engage students in activities that combine educational technology skills and relevant curricular content. In order to ensure that students perform at a level where they can meet the challenges of the new standards, the district will:

- Improve methods of accountability and reporting
- Capture, store, and share data for informed data driven decision-making
- Assist students to become intelligent consumers of information, effective manipulators of data, and intelligent informational analysts
- Individualize and customize learning to match learners' developmental needs, as well as personal interests wherever possible
- Enhance avenues for collaboration among family members and the school community
- Make learning more interactive while enhancing the enjoyment of learning
- Increase the accessibility of technology to students, both at school and at home
- Increase the accessibility of technology to faculty and staff, through enhanced electronic mail capabilities, shared directories and improved storage capacity

Stakeholders: Philip Voigt, Craig Carr, Kevin Miller, Sharon Dungee, Brenda Jackson, Jessica Iafrate, Franklin Caesar, Chris Brown (Administrators). Fred Philips, Ed Fruedenberg, Edna Carbajal, Dunia Mars, (Board of Ed Members/Community). Darren Ehrhardt, Jack Saffer, Lindsay Dolzeal, Georgina Hernandez (Faculty). Jim Woods, Matt Vetro, Chad Cohen, Paul Weston, Anthony Walcott, Phil Parr (Tech Support).

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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 challenges that are causing the gap? If you chose "No Gap Present" in question four, please enter N/A.

Access Points - additional coverage and deeper saturation for expansion of one-to-one initiatives.
Device Gap - additional funding and greater wireless access coverage to expand one-to-one initiatives.
Professional Development - It is challenging to schedule release time for training, and difficult to find qualified trainers with subject area expertise.

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Instructional Technology & Infrastructure Inventory

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C. Technology and Infrastructure Inventory

1. What is the available network broadband bandwidth? Please express speed in Mb (Megabits) or Gb (Gigabits). *

	Minimum Capacity (Expressed in Mb or Gb)	Maximum Capacity (Expressed in Mb or Gb)
Network Bandwidth: Incoming connection TO district schools (WAN)	100mb	100mb
Internal Network Bandwidth: Connections BETWEEN school buildings (LAN)	10gb	10gb
Bandwidth: Connections WITHIN school buildings (LAN)	1gb	10gb

2. What is the total contracted Internet access bandwidth for your district? Please express speed in Mb (Megabits) or Gb (Gigabits).

100mb

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

Network Outsource, Inc.

4. Which wireless protocols are available in the district? Of these, which are currently in use? Check all that apply.

	Available/In Use
802.11a	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11b	<input checked="" type="checkbox"/> Available <input type="checkbox"/> In Use
802.11g	<input checked="" type="checkbox"/> Available <input checked="" type="checkbox"/> In Use
802.11n	<input checked="" type="checkbox"/> Available <input checked="" type="checkbox"/> In Use
802.11ac	<input checked="" type="checkbox"/> Available <input checked="" type="checkbox"/> In Use
802.11ad	<input type="checkbox"/> Available <input type="checkbox"/> In Use
802.11af	<input type="checkbox"/> Available <input type="checkbox"/> In Use

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

Yes

5a. What percentage of your district's instructional space has wireless coverage?

75

6. Does the district use a wireless controller?

Yes

7. What is the port speed of the switches that are less than five years old in use in the district?

1gb-10gb

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Instructional Technology & Infrastructure Inventory

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8. 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)	1,896	1,896
Laptops/Virtual Machine (VM)	625	625
Chromebooks	0	0
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	50	50
Tablets less than nine (9) inches without access to an external keyboard	0	0
Tablets nine (9) inches or greater without access to an external keyboard	256	256
Totals:	2,827	2,827

9. Of the total number of students with disabilities in your district, what percentage of these students are provided with assistive technology as documented on their Individualized Education Programs (IEPs)?

10

10. From your technology needs assessment, please describe any additional assistance or resources that, if provided, would enhance the district's ability to provide improved access to technologies, including assistive technologies, for students with disabilities.

Additional SmartBoards for Special Education Classrooms, Laptops/Tablets/iPads for Students, Software and Licensing for Staff and Students and Professional Development for staff.

11. How many peripheral devices less than five years old are in use in the district?

	Number of devices in use that are less than five years old
Document Cameras	8
Flat Panel Displays	4
Interactive Projectors	227
Interactive Whiteboards	227
Multi-function Printers	48
Projectors	22
Scanners	8
Other Peripherals	0
Totals:	544

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

(No Response)

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

No

15. 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

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Software and IT Support

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D. Software and IT Support

1. **What are the operating systems 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	No
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	No
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.**

We do not have an LMS.

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

TOP 5 PROGRAMS

- Learning A-Z
- Castle Learning
- Discovery Science Techbook
- Journeys/GoMath
- READ 180/System 44/Math180

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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.

Virtual Reference Collection and Digital Media Collection through BOCES
Follett Destiny

8. Does the district have a Parent Portal?

Yes

8a. Check all that apply to your 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 Other

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".

Native IOS/Android App

10. Please list title and FTE count (as of survey submission date) of all staff whose primary responsibility is technical support.

Title	Number of Current FTEs
Director	1.00
Team Leaders	2.00
Level II Technician	3.00
Level I Technician	6.00
	12.00

Instructional Technology Plan - 2015Curriculum 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?**

Additional video conferencing, Distance Learning, On-Line/Webbased Programs, adding learning management systems, additional student/home/community communication and 1:1 device programs.

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 specify.

YES! All students who need ANY assistive technology as decided for their IEP WILL receive those devices.

Software:

- Dragon Speak Naturally
- Read180, Math180, System 44
- iPad - Touch Chat HD
- iPad - Proloquo2go
- iPad - Listening Drill
- iPad - Comic Life
- iAnnotate Pro

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

Yes

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

YES! All students who need ANY assistive technology as decided for their IEP WILL receive those devices.

Currently we have multiple special needs students in mainstreamed, inclusion and self-contained classes with individual iPads and Laptops in order to participate in the general curriculum or special IEP assigned adjusted curriculum to meet all of their needs. The Director of Technology personally sits on all tech assessment CSE meetings to offer the best resources for our special needs students to participate in the least restrictive environment and partake in the entire general curriculum as much as possible.

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Professional Development

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F. Professional Development

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

The district has multiple FTE District Teachers employed as "Coaches" who work with staff on implementation, utilization, reporting, assessments and training. This includes all turn-key training of curriculum based district programs/software. The district also contracts with the specific software vendors for professionally delivered software training and refresher trainings as well as turn-key trainer trainings.

- Please list title and FTE count (as of survey submission date) of all staff whose primary responsibility is technology integration training and support for teachers.**

Title	Number of Current FTEs
Coaches/Turn-Key	10.00
PD Tech Staff	1.00
	11.00

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Technology Investment Plan

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G. Technology Investment Plan

1. Please list the top five planned technology investments in priority order over the next three years.

	Anticipated Item or Service	Estimated Cost	Is Cost One-time or Annual	Potential Funding Source (May list more than one source per item.)
1	Wi-Fi	200,000	One Time	District General Fund
2	Laptops	3,000,000	One Time	District General Fund
3	Interactive Whiteboards	250,000	One Time	District General Fund/Bond
4	Professional Development	250,000	Annual	District General Fund
5	Broadband	170,000	Annual	eRate
Totals:		3,870,000		

2. If "Other" was selected in question one, please specify.

(No Response)

Instructional Technology Plan - 2015Status 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, in school, at home, and in the community.**

The district is committed to continuing our 1:1 programs and continuing to build out both wireless infrastructure as well as purchasing devices. The district is also committed to ensuring that all new and future software/programs are web-based to allow for off-site/at home access. Through SMARTSchools, General Tax Levy Funds, Title monies, and grant opportunities we will continue to expand our 1:1 goals in order to provide more access at home and community. Each year we are constantly adding laptops and iPads as well as moving programs to all web-based to allow for additional at home/community access.

3. **Please check all locations where Wi-Fi service is available to students within the school district geographical boundaries.**

- School
- Home
- Community
- None

- 3a. **Please identify categories of available Wi-Fi locations within the community.**

Library, local Starbucks, local McDonalds, local Taco Bell, Fire House, Optimum Wifi for those with access, Target Store Guest Network, some local private owned stores/eateries.

Instructional Technology Plan - 2015

Instructional Technology Plan Implementation

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I. Instructional Technology Plan Implementation

Instructional Technology Plan - 2015

Instructional Technology Plan Implementation

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

The district Board of Education technology committee meets quarterly to discuss changing implications and strategic planning for the future. Each quarter we take into consideration the effectiveness of the current plan with regard to new technologies, what works, what isn't working and how we can improve support and effectiveness.

2014-2015 School Year

- Full Office 365 E2 Migration and Implementation
- All Staff/Student Files available anywhere through OneDrive
- Full Microsoft upgrade (all servers, OS, Office, Management, SQL) to latest version
- Overhauled District Infrastructure to 10GB Aqua Fiber between servers, 1GB to all Desktops
- Upgraded most district wireless to include AC Standard with more than 75 district wide coverage
- Overhauled all district switches, patch panels and racks
- Additional 200 laptops for student use

2015-2016 School Year

- Added SMART Boards to ECC
- Added/Upgraded/Refreshed Wireless Access Points for additional saturation
- Added/Upgraded/Refreshed Laptops and iPads for Staff and Students
- Adding Disaster recovery server/storage
- Refreshing old SMART Boards throughout district
- Added full Learning Ag A-Z Suite for K-6
- Additional MultiFunction Printers
- Overhauled/Upgraded District Website
- Added GAFE at HS

2016-2017 School Year (Plans which may be changed depending on financial situations or in the event newer/better technology becomes available)

- Overhaul 1/4-1/3 of the older SMART Boards with new flat panel SMART Board interactive TV
- Additional Wireless saturation in key areas of the schools to allow for upcoming on-line state exams
- Additional web-based curriculum programs to allow for home access
- Overhaul computer labs with latest hardware, rotate computer lab hardware into classrooms with oldest hardware (refresh program plan)
- Overhaul 1/3 District servers
- Additional Back-up/redundancy SAN for district files
- Overhaul District phone system from POTS to VoIP (current project underway)
- Additional 10GB Aqua Fiber run between switch closets
- Additional 10GB meshed switches
- Additional Laptop Carts for on-line SED/Local Testing and Curriculum uses
- Additional Laptop Carts for virtual science, STEM, robotics, INTEL Science Program, literacy
- Additional classrooms with 1:1 laptop environments
- Updated wireless in classrooms with 1:1 laptop environments
- Overhaul district security camera system to HD PTZ Cameras and web access for admins
- Overhaul Music MIDI Classrooms
- Overhaul Technology Classrooms

2017-2018 School Year (Plans which may be changed depending on financial situations or in the event newer/better technology becomes available)

- Overhaul 1/4-1/3 of the older SMART Boards with new flat panel SMART Board interactive TV
- Additional Wireless saturation in key areas of the schools to allow for upcoming on-line state exams
- Additional web-based curriculum programs to allow for home access
- Overhaul computer labs with latest hardware, rotate computer lab hardware into classrooms with oldest hardware (refresh program plan)
- Overhaul 1/3 District servers
- Additional Back-up/redundancy SAN for district files
- Overhaul District phone system from POTS to VoIP (current project underway)
- Additional 10GB Aqua Fiber run between switch closets
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- Additional Laptop Carts for on-line SED/Local Testing and Curriculum uses
- Additional Laptop Carts for virtual science, STEM, robotics, INTEL Science Program, literacy
- Additional classrooms with 1:1 laptop environments

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- Updated wireless in classrooms with 1:1 laptop environments
- Overhaul district security camera system to HD PTZ Cameras and web access for admins
- Overhaul Music MIDI Classrooms
- Overhaul Technology Classrooms

Instructional Technology Plan - 2015

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, the effectiveness of the implementation of the district's instructional technology plan to improve teaching and learning.**

The Director of Technology and the technician team meet weekly to review reports, usage, patterns of support, training needs as well as necessary updates, upgrades and changes.

The Director of Technology and teaching staff and administration staff meet as a curriculum council monthly to discuss changes in education and implications and how technology can or will play a role in the further development of our curriculum and education of the students.

The Director of Technology and administrative council meet monthly to discuss changes in education and implications and how technology can or will play a role in the further development of our curriculum and education of the students.

In addition the Director of Technology meets monthly with Principals, Directors and other district administration to see to all of the building and department needs and wants as well as discuss changes in education and implications and how technology can or will play a role in the further development of our curriculum and education of the students.

The district Board of Education technology committee meets quarterly to discuss changing implications and strategic planning for the future. Each quarter we take into consideration the effectiveness of the current plan with regard to new technologies, what works, what isn't working and how we can improve support and effectiveness.

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

	Date of Public Forum (If applicable)	URL	Year Policy Adopted
Acceptable Use Policy -- AUP	02/10/2014	http://www.boarddocs.com/ny/cislipps/Board.nsf/goto?open&id=8FGKSN52CB4C	2014
Internet Safety/Cyberbullying	02/10/2014	http://www.boarddocs.com/ny/cislipps/Board.nsf/goto?open&id=8FGKUY532D4B	2014
Parents' Bill of Rights for Data Privacy and Security	12/12/2011	http://www.boarddocs.com/ny/cislipps/Board.nsf/goto?open&id=8KDJKM4D7E98	2014

- 3. Does the district have written procedures in place regarding cybersecurity?**

Yes

Instructional Technology Plan - 2015

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**

Technology Plan.pdf