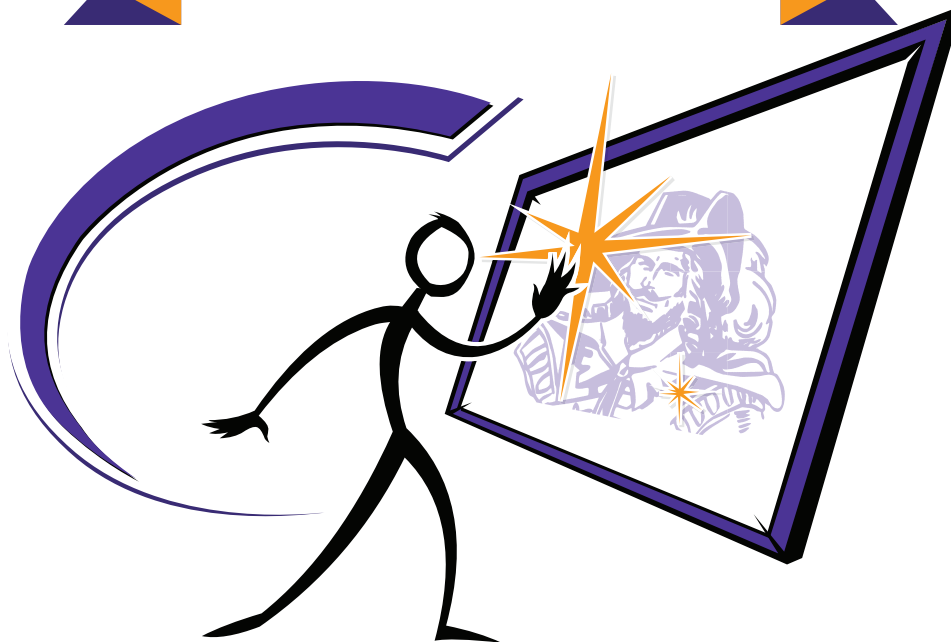# CENTRAL ISLIP SCHOOL DISTRICT

INSTRUCTIONAL TECHNOLOGY DEPARTMENT

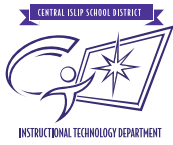## 2018 – 2021

Technology Plan

Moving Ahead Into The One:One Mobile Computing Era

www.centralislip.k12.ny.us
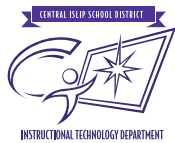
www.cischools.org

Mr. Philip K. Voigt – Director of Instructional Technology
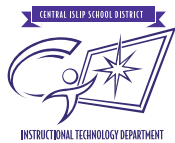Central Islip Union Free School District

Table of Contents

Forward

Vision for the Central Islip Union Free School District

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.

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.

District Overview
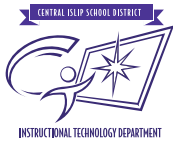
Central Islip Union Free School District, New York is a small, friendly community with some space and a population of approximately 34,491. Central Islip is a sub-urban community located 60 miles east of Manhattan, NYC. Central Islip School District serves Kindergarten through 12th grade students. The student population is 6.1% White, 69.1% Hispanic, 22.3% African American, .01% American Indian and 2.3% Asian. About 28.3% of the students are limited English proficient (see Appendix A for details). The District provides a wide range of student programs, including:

- · Student Counseling Services
- · BOCES Model Schools
- · ESL
- · Title I reading supplementary services
- · Resource Specialists Special Education Services
- · Speech & Language, Occupational Therapy
- · Full-time Libraries
- · Music, Art & P.E. programs
- · Computer labs at all schools

The District is growing and currently has an approximate enrollment of 6890 students. There is one Early Childhood Center servicing our Pre-K and K students, four elementary schools of 1st - 5th grade, two middle schools of 6th - 8th graders, and one High School of 9th-12th graders.

Plan Duration

The benchmarks and timelines in this technology plan will serve as a guide for all instructional and non – instructional technology from July 1, 2018 to June 30, 2021.

Introduction

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

Technology can help deliver significant and positive results, particularly when combined with other key factors that increase achievement, such as clear, measurable objectives, parental and community involvement, increased time spent on task, frequent feedback, teacher expertise, and personal responsibility.

The tendency of most educators (and other professionals) is simply to use technology to replace old tools with new ones, resulting in little fundamental change in the process or goal. We need to identify those qualities of the Internet and digital processing that are truly unique and especially suited for helping students to learn and teachers to instruct and parents and schools to communicate. Basically, we need to figure out what we can do in our district with the benefit of technology that we could never do before.
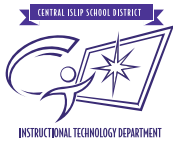
Recent Advances in Central Islip Technology

The Central Islip School District has made great strides forward over the last few years in implementing and maintaining a reliable technology infrastructure and providing teachers the tools that they need. This has been a multi-faceted effort including the participation of administrators, teachers, and community stakeholders and technologies vendors. Some of the highlights (major projects) include:
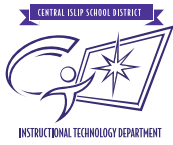
Spring 2007	First 4 SMARTBoards on Wheels in the High School (rear projection model) Overhauled SASI SIS Servers and OS
Summer 2007	Technology Office Move from Reed to Cordello First Full 1:1 Laptop for Administration Deployment (Gateway)
Fall 2007	Website Overhaul to a Content Management Solution Added Individual Class, Club, Teacher webpages Introduction of READ180 for Grades 7-12 Introduction of MyLearningPlan for ALL Conference and Course Approvals
Spring 2008	Introduction of Breakthrough to Literacy for all K-3 students Introduction of Scholastic ReadAbout for 4-6 students
Summer 2008	Financial System Overhaul to Wincap NOC Overhaul – Server Virtualization on HP Blade Servers Off-Site Back-up upgrade Application Server Upgrades
Fall 2008	Infrastructure and Wireless Access Upgrades 10Mbps Switches upgraded to 100Mbps 100Mbps Switches upgraded to 1000Mbps District Website Upgrades (VOD, Alerts, Spotlight, News, etc.) Introduced Fasttmath to 3-6 students for AIS Math
Winter 2009	Exchange 2007 (Overhauled from Exchange 2003) New email servers in multiple (redundant) locations Additional email storage and back up/archive
Spring 2009	First ever COWS (4x Laptop Carts) introduced at the High School Updated Managed Wireless in large instruction areas
Summer 2009	Upgraded all District Computers to Windows Vista Overhauled 60% (approx. 2,000) workstations K-12 Upgraded (New) all 8 Domain Controllers Replaced 60% inkjet printers with high output economical laser printers Upgraded Scholastic Application Servers (added math programs) CIHS Mac Lab Overhaul including new xServe and Gigabit Switching Apple Final Cut Pro Server Upgraded all iMacs and all Mac Software including Final Cut X

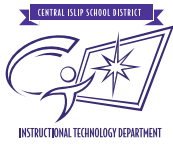| Fall 2009	Increased Support staff to include building assigned technicians
	Introduced Tech Admin team with Specialists (server, network, applications)
	Group Policy Overhaul
	Administrative 1:1 Laptop Overhaul (Elitebook)
	Wireless Expansion to all Administrative and Building Offices
	Introduced Castle Learning for 9-12 Students
Winter 2009	Decommissioned all Disk to Tape Back-ups (except Wincap)
	Upgraded all back-ups to Disk-To-Disk (except Wincap)
	Off-Site Backup for SIS and Financial Data to Buffalo
	Introduced Back-up recovery/disaster drills
	Introduced Media/Clicker Carts 2x K-4 Schools and 4x 5-12 Schools
Winter 2010	Introduced Digital Cameras, Flip Cameras, iPod with Camera
	All schools fully outfitted with digital camera and recording cameras
	Introduced Digital Projectors to all administration (1:1) for presentations
	Additional hardware to school for Professional Development/Training
	Introduced Outdoor Full Color LED Signage at the HS and ECC
Spring 2010	Overhauled Massive Server, Network and Workstation Monitoring System
	Scholarchip at the HS for Main Entrance/Cafeteria Entry
	Scholarchip POS Pilot at O'Neill
	Scholarchip Student/Staff ID Card System Overhaul
	Introduced first 1:1 Student Laptop (Netbook) Pilot at O'Neill
	Introduced 280 Mounted SMARTBoards in 7 of 8 Buildings
	Introduced SMARTBoard Teaching Philosophy and Training
Summer 2010	SASI to PowerSchool Overhaul
	Introduction to PowerTeacher and PowerAdministrator
	Remaining K-12 Workstations Overhauled (approx. 1,000)
	Remaining inkjet printers replaced with high output economical laser printers
	Overhauled Mulligan Application Servers
	Updated eWaste initiative to remove obsolete hardware
	Added "Mobile" redirect to District Website for SMARTPhones
	Introduced First MIDI Piano Computer Lab at the High School
Fall 2010	Introduced iPad (First Generation) for R&D to 10 Admins and 10 Staff
	Introduced first IP Based Security Cameras
	Security Camera VLAN Established
	Security Camera Servers, Video Data Archives, POE Switches in the HS NOC
	Introduced BrainPop as Instructional Resource
	Additional WAPS in Prime and Requested Locations District wide
	Expanded Castle Learning for 5-12 Students

Spring 2011	Introduced 1:1 Laptops to BOE Introduced Paperless Board runs/policies through Board Docs Introduced JAMF MDM (Mobile Device Manager) for Apple Devices Additional WAPS in Prime and Requested Locations District wide
Summer 2012	Upgraded All District computers (except ECC) to Windows 7 Updated all MDF and IDF patch cables Upgraded 5 Computer Labs
Fall 2011	Introduced 1:1 iPads to Administration Upgraded Office Laptop/Docking Stations Upgraded Office Computers Introduced HP All-In-One (iMac Style PC) to Offices and HS Library Additional WAPS in Prime and Requested Locations District wide Expanded Castle Learning for 1-12 Students Expanded Fasttmath to ALL 5-6 students and AIS 2-4 students OASYS Introduced for On-Line APPR Observations
Spring 2012	Scholarchip POS District Wide implementation Upgraded all Instructional Coaches, Support Personnel, AIS, Nurses, Library workstations to new HP 8300 AIO Introduced AIO Scanners and Printers to all Main Offices (Principals) Introduced Smart Music Program for Student Musicians
Summer 2012	Introduced Carousel Server LCD TV Content Management System Installed 52" LCD TV in all Lobbies and Cafeterias as Carousel Digital Signage Introduced Dropbox.com to administration for cloud storage/iPads Introduced Apple TV for iPad Broadcasting/Projecting Introduced Jelco Portable LCD TV (x2) to District for Presentations Upgraded each building with additional RF Clickers (CPS System) iPad Cart (iPad COW) at the HS with 30 iPads for Student Use and PD Introduced HMH GoMath Series
Fall 2012	Overhauled CORE Switches (Unplanned/Emergency Replacements) Updated Administration, Credit Recovery and ELL Program Laptops (and COWS) to HP Ultraslim Overhauled Board of Education Multipurpose Room Sound and Dual Simulcast Projectors Upgraded HS CAD Design Room with Power HP Z1 Workstations Additional iPads for Administration, Staff and Students Expanded Fasttmath to ALL 1-6 Students

Spring 2013	Portable SMARTBoards for each Library in each school. Introduced iPad Carts at Mulvey Elementary (Target Grant) Introduced Microsoft Surface and Windows 8 Touch Tablets for R&D Deployed Microsoft Surface Tablets to CIHS Journalism Class at 1:1 Working with MS SCCM for Windows 8 Tablet MDM Upgraded all Microsoft Licensing to Office A2 for Education Unlimited **NEW 6-12 TECHNOLOGY CURRICULUM BOE ADOPTED**
Summer 2013	Technology Office Move from Cordello to Mulligan Engineering Classroom Overhaul at HS Introduced Versa Tables Overhauled all Mulligan and Reed Labs (x4/ea – 3PC/1Mac) Overhauled Several Academy Rooms at Reed and Mulligan Upgraded to Exchange 2013 & MS Office 2013 Windows 8 R&D and Training Installed first SAN @ 50 TB for Storage Introduced/Installed Kuta Math Scholastic Programs migrated to Hosted Solution Decommission BTL and ReadAbout as EOL Upgraded all Special Ed Pavilion Office/Clerical Workstations Introduced Journeys Reading Core Program
Fall 2013	Introduced First Sharepoint Server Introduced OneDrive for Business as R&D for CICLOUD Started to develop the CICLOUD Introduced Discovery Techbook for Science 80 Additional SMARTBoards throughout district
Spring 2014	Windows 8.1 Pilot program with some administrators and staff SMART Notebook 14 upgrade Introduced NAO Robot for R&D (Aldebaran Robotics) K-5 Technology Curriculum Completed for On Hold pending Staffing Needs CI Paperless Initiative – Formstack Introduced
Summer 2014	Introduced 500 HP TouchScreen Windows 8.1 Laptops (NYS-TVP) for 1:1
Summer 2015	Increased Wireless Access Points – Coverage/Density Upgraded switching in MDFs and IDFs Upgraded Computer Lab Endpoints (part of new computer roll-out plan is to roll out newest computers to the 15+ labs and push the previous "newest" lab computers to the classrooms phasing out the oldest endpoints) Upgraded Entire District OS and Server OS Upgraded district storage and DR strategic plan
Summer 2016	Upgrade all district PC Endpoints to Windows 10 Migrated all district exchange to MS Office 365 with cloud based storage Increased Wireless Access Points – Coverage/Density Upgraded switching in MDFs and IDFs Upgraded Computer Lab Endpoints (part of new computer roll-out plan is to roll out newest computers to the 15+ labs and push the previous "newest" lab computers to the classrooms phasing out the oldest endpoints) Upgraded Entire District OS and Server OS Upgraded district storage and DR strategic plan

Summer 2017	BRAND NEW VoIP PHONE SYSTEM
	300 Avaya Endpoints with IP Office in the Cloud
	Upgrade all district PC Endpoints to Windows 10
	Migrated all district exchange to MS Office 365 with cloud based storage
	Increased Wireless Access Points – Coverage/Density
	Upgraded switching in MDFs and IDFs
	Upgraded Computer Lab Endpoints (part of new computer roll-out plan is to roll out newest computers to the 15+ labs and push the previous "newest" lab computers to the classrooms phasing out the oldest endpoints)
	Upgraded Entire District OS and Server OS
	Upgraded district storage and DR strategic plan
Summer 2018	REDISTRICTING – Change Building Labs, Computer Carts, Workstations
	All K-6 Rooms: 5 Computers, 1 Printer, 1 Smartboard w/computer
	All 7-12 Rooms: 1 Computer, 1 Printer, 1 Smartboard w/computer
	Upgrade HS Labs and HS Library Laptops
	Redistributed HS Cart Laptops to new elementary school

Three Year Plan Initiatives – 2018-2021

1) Upgrade and maintain the district infrastructure network to efficiently all for all devices, desktop endpoints, phone system, security system and future enhancements without loss of functionality due to inadequate bandwidth or connectivity.

2) Upgrade, enhance and expand the district's wireless network to all for complete coverage with proper density for all current and future district devices as well as faculty BYOD. Consider student BYOD.

3) Update, upgrade and support older interactive white boards with newer interactive LCD displays in all instructional classrooms and resource rooms.

4) SmartSchools – Security Video and Door access upgrades

5) SmartSchools – Interactive White Board and Classroom Endpoint upgrades

6) SmartSchools – Domain Controller and Infrastructure management upgrades

7) SmartSchools – Webfilter, Firewall and Disaster Recovery Updates/Upgrades

Instructional Technology Curriculum & Instruction Goals 2014-2017

Increase Student Performance

Increase Technological Knowledge throughout the District

Provide Data Driven Instruction

Increase parental Awareness and Communication

Increase Prodcutivity and Efficiency
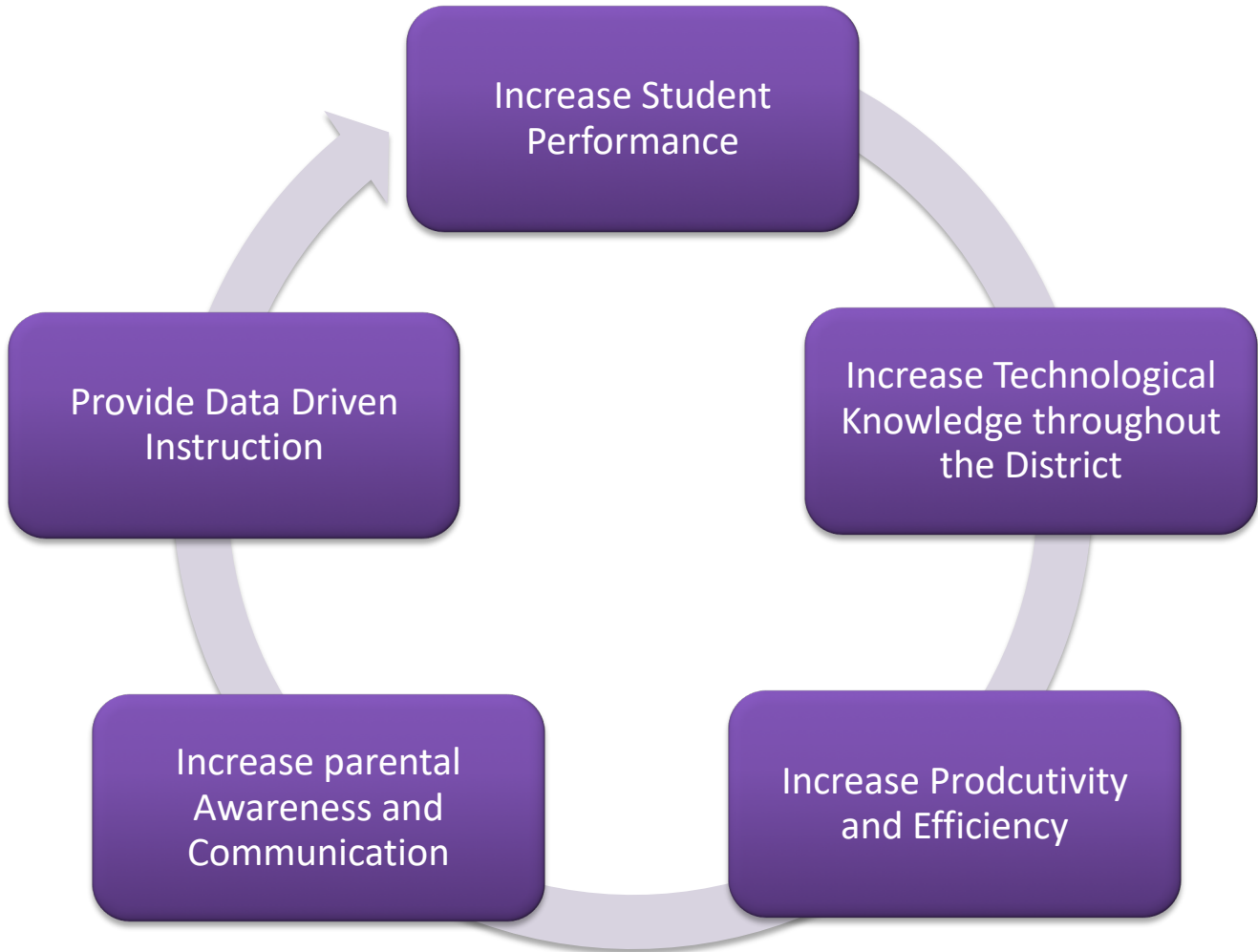
The goals for the use of technology in the next three years were developed by District Director of Technology and the Central Islip Technology Committee in cooperation with the Board of Education, Superintendent, Assistant Superintendent for Curriculum and Instruction and the Building Principals. Each stakeholder has an opportunity to bring concerns to the District Technology Committee. Central Islip will continue to focus on how the existing technology and the expansion of network capabilities can provide students and staff with access to knowledge, tools and support for learning.

Instructional Goals and Objectives 2014-2017

District Implementation Summary
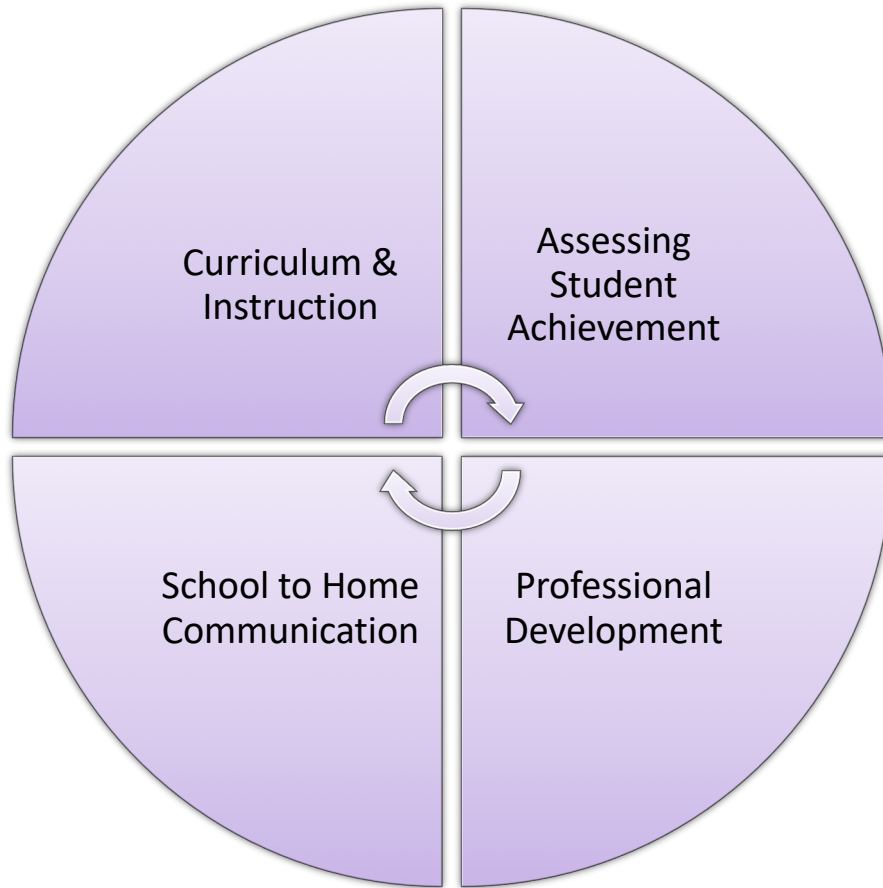
In order for full implementation and utilization of technology to enhance student achievement, all four pieces of the pie must work concurrently.

Curriculum and Instruction Objectives

Implementation in cooperation with the office of the Assistant Superintendent for Curriculum and Instruction

Assist all students to meet and exceed standards and benchmarks

- Differentiated Learning Strategies and Styles
  - Curriculum Intervention Programs & Services
  - Curriculum Support Programs & Services
- Curriculum Enhancement and Integration
  - Special Projects and Enrichment Programs
- Introduction of Technology Benchmarks into the Curriculum
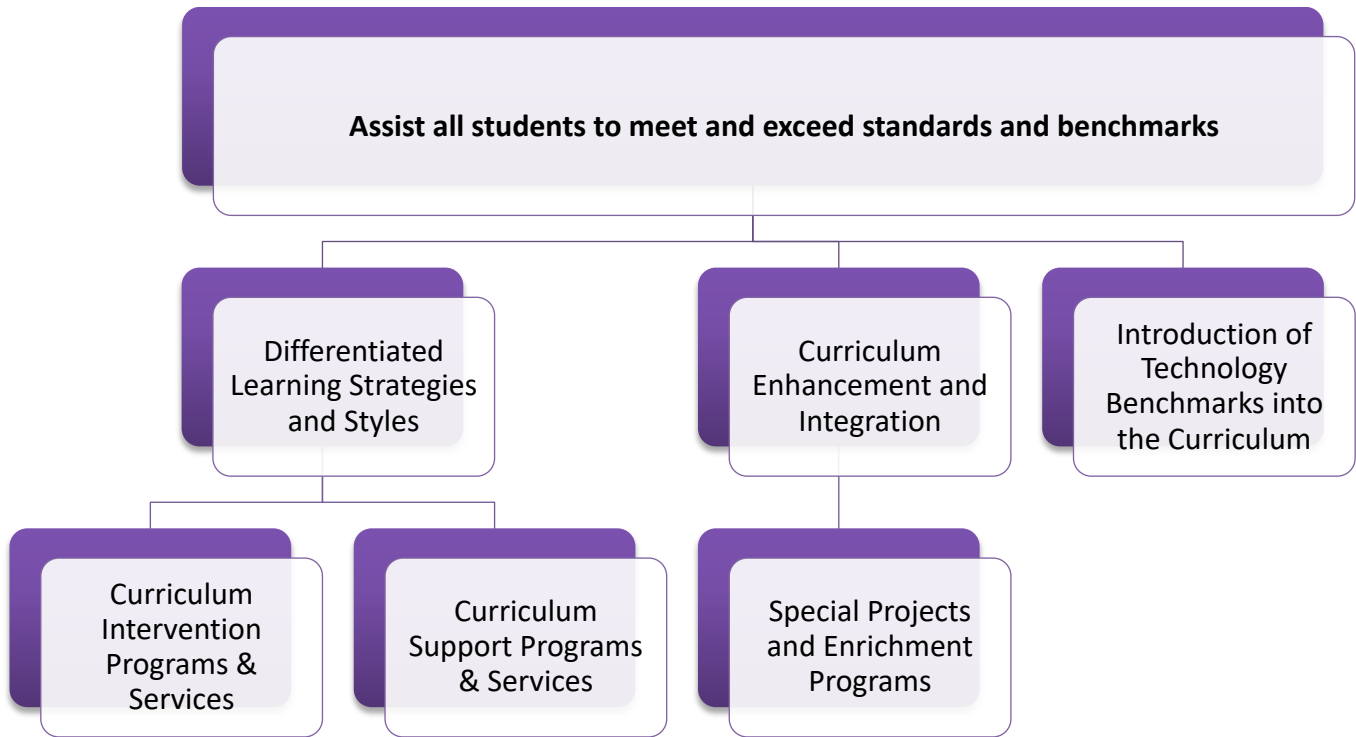
Curriculum Overview

At the primary level, K-4, much of the current technology integration involves the introductory use of the computers in the classroom and the computer lab with simple interactive software that supports the instruction of reading and math in addition to many web based interactive programs.

At the secondary level, 5-12, students participate in more advanced computer based instruction including advanced power point presentations, detailed word processing for term papers and reports, introduction to databases and spreadsheets, introduction to website building and design. Some course will even take our students into the realm of graphic design, computer based journalism, publications, and basic computer programming.
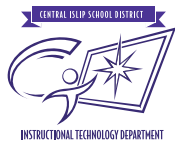
Curriculum Integration Model

We believe that true technology integration creates a seamless environment where technology is not seen as a separate entity or even as a piece of a larger pie. True integration treats technology as a necessary ingredient in the whole pie. As an ingredient, it is mixed with all the other ingredients to give the pie its designed flavor and appearance as described by the recipe. Since technology is an ingredient, our Technology Plan shares its vision for success with the overall mission statement for the whole Central Islip School District. Even though technology is not directly mentioned, it is at work within this mission statement just as some ingredients in a recipe can be tasted but not seen.

Quoting our District Mission Statement we can make correlations to the impact a strong technology plan plays in fulfilling that mission statement as outlined below:

"... contributing adults able to thrive in a culturally diverse, changing world"

The technology ingredient of internet capability in all learning environments enable students to reach beyond the walls of the school and the city limit signs of Central Islip to experience new environments, cultures, and virtual time travel that enrich and deepen understanding of our diverse world. Software tools assist with language development for both native and non-native English speakers and aids in cultural exploration through online resources. Students with learning needs are assisted with adaptive technologies such as audio textbooks, written speech software

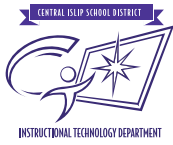"... we will provide a quality, educational experience that offers equitable learning opportunities"

The technology ingredient provides students with modern hardware and software tools that improve skills and teach modern process and presentation. Online resources help to equip students with the information literacy skills needed for research in the 21st century.

"In partnership with the entire community… "

The technology ingredient enhances the educational environment and allows for more individualized instruction. It enables improved communications between home and school through modern voice mail, e-mail, and other telecommunications systems. Online resources assist students, teachers, staff and the community by providing easily accessible data and information at school and from home.

Our Curriculum Integration Model, referred to throughout this plan, guides the instructional use of technology in our District. It is designed to directly integrate the information literacy skills typically addressed through Library and Technology programs into the planning by classroom teachers, which naturally increases the incorporation of computer use in teachers' instructional planning. Systematic use of this model will necessitate reevaluation of the existing structures and schedules of the computer lab and library at each school site to both of these environments during the school day for instruction and student project work, and conscious integrated planning of the skills typically instructed independent of one another.

Over the last few years, our district has made great progress in using technology to improve communications between home and school. We have upgraded and standardized our email and phone systems across the district

to improve messaging, implemented bilingual automated callers to provide parents with attendance and school event information, expanded the available information on our district and school web pages in English and Spanish and have increased our use of electronic communications such as emailing newsletters. We have found however that there is a need to standardize our processes and best practices across all our schools and should continue to explore how to provide more web-based information.

To fully realize our vision of technology integration, teachers and administrators must become comfortable with technology. Using technology without hesitation as part of their everyday tasks, to freely reach for technology as a tool, not because they have been trained to use it, but rather because it is an integral and desirable part of their jobs and student learning, not for what it is, but for what it does. We are fortunate that our faculties have largely embraced technology as a form of instructional preparation using it regularly for communication, research, and evaluation but need assistance in moving to the next level, integration of technology into instruction to enhance and improve student learning.

National Education Technology Standards

[1]The International Society of Technology for Education (ISTE) National Educational Technology Standards (NETS) for Students.

The technology foundation standards for students are divided into six broad categories. Standards within each category are to be introduced, reinforced, and mastered by students. These categories provide a framework for linking performance indicators within the Profiles for Technology Literate Students to the standards. Teachers can use these standards and profiles as guidelines for planning technology-based activities in which students achieve success in learning, communication, and life skills.

Technology Foundation Standards for Students

1. **Basic operations and concepts**
- Students demonstrate a sound understanding of the nature and operation of technology systems.
- Students are proficient in the use of technology.

2. **Social, ethical, and human issues**
- Students understand the ethical, cultural, and societal issues related to technology.
- Students practice responsible use of technology systems, information, and software.
- Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

3. **Technology productivity tools**
- Students use technology tools to enhance learning, increase productivity, and promote creativity.
- Students use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works

4. **Technology communications tools**
- Students use telecommunications to collaborate, publish, and interact with peers, Experts, and other audiences.
- Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

5. **Technology research tools**
- Students use technology to locate, evaluate, and collect information from a variety of sources.
- Students use technology tools to process data and report results.
- Students evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

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[1] From the NYSED EETT Website: http://www.emsc.nysed.gov/technology/EdTech/EdTechProgram/eett.htm.
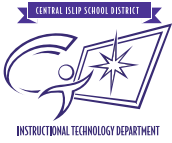
6. **Technology problem-solving and decision-making tools**

- Students use technology resources for solving problems and making informed decisions.
- Students employ technology in the development of strategies for solving problems in the real world.
- For detailed information on NETS, visit ISTE's Website: http://cnets.iste.org

- ## Assessing Student Achievement

Implementation in cooperation with the office of the Administrator for Testing and Assessment

Use current technology to collect and maintain all student information on an accessable web-based database system.
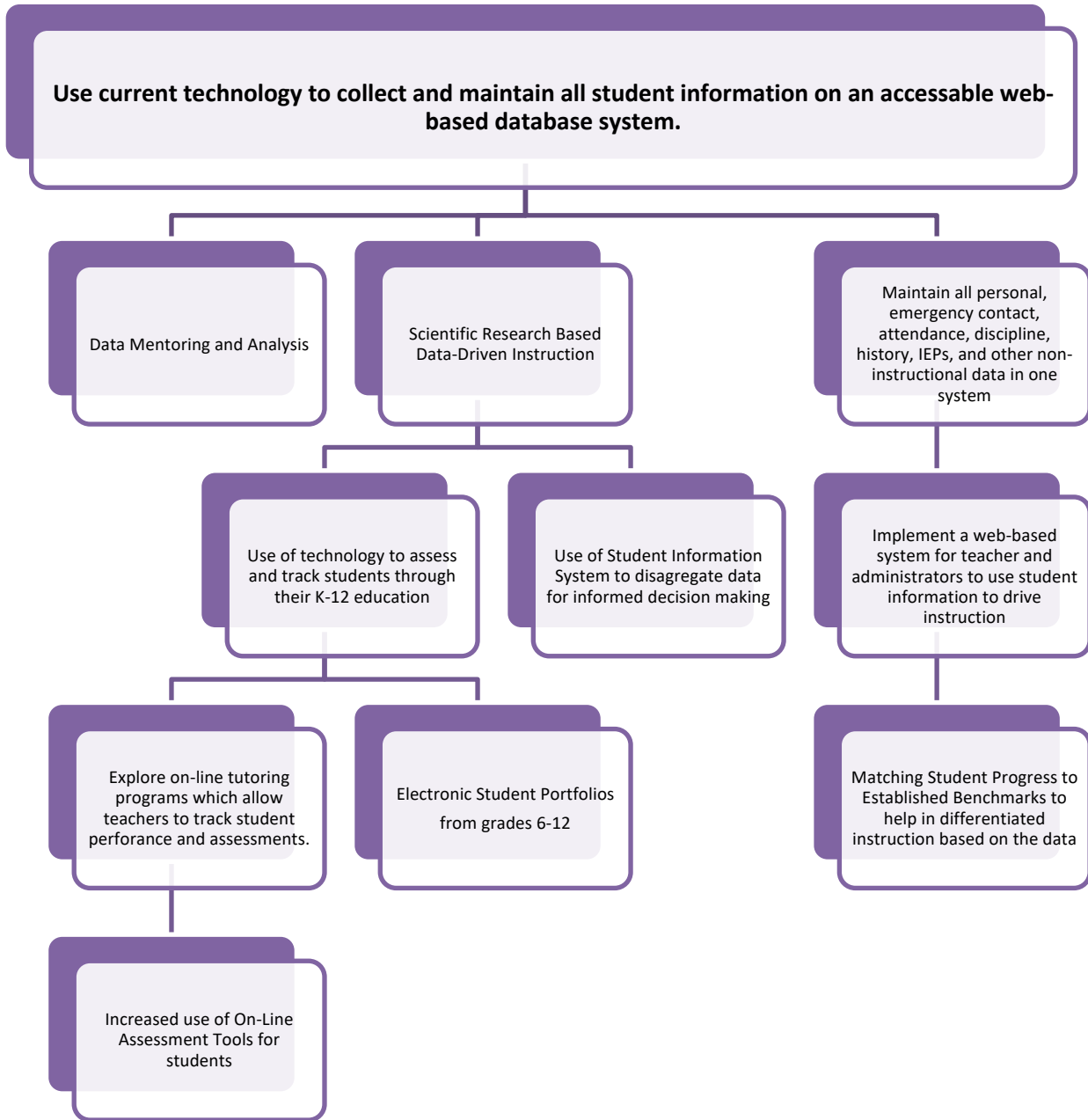
- Data Mentoring and Analysis
- Scientific Research Based Data-Driven Instruction
  - Use of technology to assess and track students through their K-12 education
    - Explore on-line tutoring programs which allow teachers to track student perforance and assessments.
      - Increased use of On-Line Assessment Tools for students
    - Electronic Student Portfolios from grades 6-12
  - Use of Student Information System to disagregate data for informed decision making
- Maintain all personal, emergency contact, attendance, discipline, history, IEPs, and other non-instructional data in one system
  - Implement a web-based system for teacher and administrators to use student information to drive instruction
    - Matching Student Progress to Established Benchmarks to help in differentiated instruction based on the data

Professional Development

Implementation in cooperation with the office of the Assistant Superintendent for Personnel and the Assistant Superintendent for Curriculum and Instruction

Develop all staff members to efficiently and effectively utilize instructional technology

- Professional Development Workshops
  - Develop Staff on Curriculum Integration utilizing Current Technology and Programs
    - Small Group Professional Development Periods
    - District Integration Coaches (Reading, Science, Technology, etc...) and turnkey training
    - On-LIne WebEx/Webinars between Staff and Vendor Integration Specialists
- BOCES .5 Support (Student Management System)
  - In District Support that allows 1:1 or 1:Group training
- Full Time Applications SupportTechnician
  - Specific PD Programs arranged through the principals
  - Special Projects & Classroom Visits

Professional Development Opportunities

Central Islip teachers and teaching assistants will benefit from a variety of professional development activities. Among them are the following:
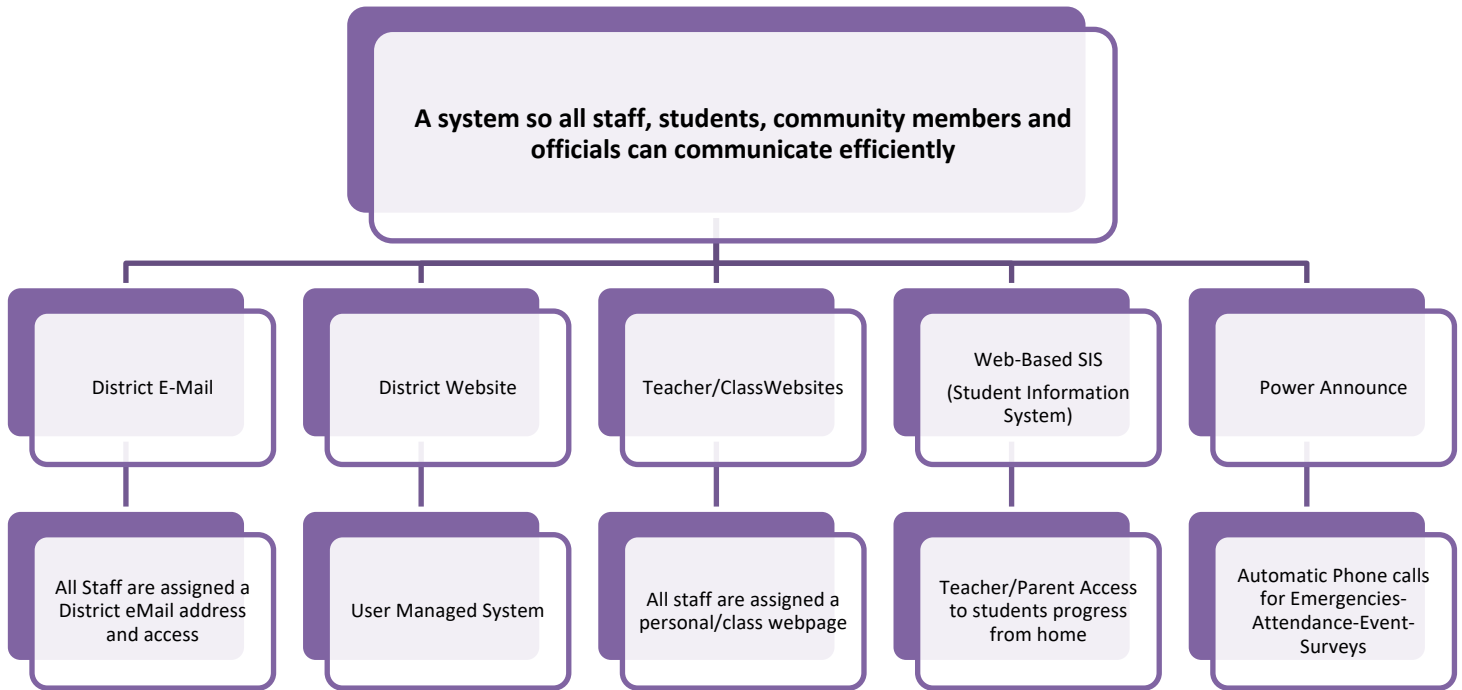
- Full time Applications Support Specialist
- Workshops and seminars offered by the Eastern Suffolk BOCES;
- Graduate level course at local colleges;
- In-service classes at the Islip Teachers Center;
- Participation in Model Schools staff development workshops.

Because of our rapid growth in the area of technology and resulting in necessary teacher Professional Development, we have added a district applications specialist available to provide support on both hardware and software utilized in the district. Support may be 1:1, Small Group, Department or Grade level as appropriate. Given that our teachers have varying levels of computer technological literacy, several of the activities will be personalized to meet their needs.
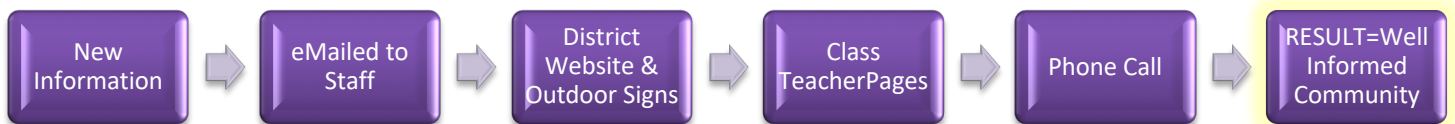
Teachers are provided with the resources needed for each set of activities. Where appropriate, hands on activities will be conducted in concert with our Model Schools Teacher Integration Specialist, building Principals, and/or the District Director of Technology. Software vendors are often required to provide onsite professional development in the use of purchased programs.
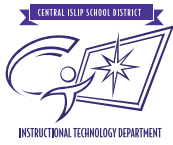
School-to-Home Communication

Implementation in cooperation with the office of the Superintendent of Schools, the Administrator for Operations and Security and the Director of Instructional Technology

A system so all staff, students, community members and officials can communicate efficiently

District E-Mail	District Website	Teacher/ClassWebsites	Web-Based SIS (Student Information System)	Power Announce
All Staff are assigned a District eMail address and access	User Managed System	All staff are assigned a personal/class webpage	Teacher/Parent Access to students progress from home	Automatic Phone calls for Emergencies-Attendance-Event-Surveys

Information can be sent to many mediums to reach all of the involved students, staff, parents, community members and officials.

New Information → eMailed to Staff → District Website & Outdoor Signs → Class TeacherPages → Phone Call → RESULT=Well Informed Community

Fiscal Resources and Proposed Budget

The Central Islip Union Free School District is committed to allocating those funds that are deemed sufficiently necessary for the effective implementation of our technology programs. To
that end, the following sources of funds will be utilized:

- School District's annual "voter approved" will be the primary source of funds
- BOCES Aid which will augment the "voter approved" budget by enabling us to maximize our potential for funding our technology initiatives;
- The school district will continue to leverage the funds which are available via the e-Rate so that we can provide services that we might not have been able to provide;
- Our Grants Office will continue to pursue grants and other non-traditional sources of funds in order to enable us to further leverage our investment in this area.
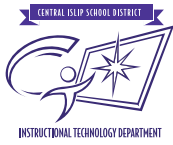
[2]Proposed budget for this plan's duration:

District Funds	2018-2019	2019-2020	2020-2021
Programs for Curriculum Support	$ 250,000.00	$ 275,000.00	$ 300,000.00
Total BOCES Support	$ 1,000,000.00	$ 1,150,000.00	$ 1,200,000.00
Staff Development	$ 150,000.00	$ 150,000.00	$ 150,000.00
Maintenance/LAN-WAN Support	$ 1,500,000.00	$ 1,750,000.00	$ 1,800,000.00
Other Software	$ 150,000.00	$ 160,000.00	$ 175,000.00
New Hardware Purchases	$ 350,000.00	$ 350,000.00	$ 350,000.00

Financial Software and Management System Summary

WinCap is a fully integrated series of school management applications. The financial application includes purchasing (requisitions, purchase orders, bids, warehouse/inventory), accounts payable/cash disbursements, budget maintenance and development, revenue accounting, cash receipts, account receivable and payroll. The Human Resource application includes employee attendance, certification, tenure, seniority, employee benefits, staff cost projections for budgeting and negotiations.

WinCap is specifically designed for New York State school districts and their specific accounting needs. Transaction-based fund accounting; multi-fund; sub-fund accounting for special aid projects and capital projects is provided. WinCap provides multi-level security--username and password security, security by fund, by function/transaction type and by budget code.

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[2] The Central Islip Public School district works off a taxpayer voter approved budget. These projections will be evaluated each budget cycle by the Assistant Superintendent for Business, the Director of Instructional Technology (including input from his Technology Committee) for submission to the Superintendent of Schools and the Board of Education.

Hardware

The Central Islip Union School District has the basic infrastructure and a technical support program in place to support our Curriculum and Professional Development goals. Our essential software applications have also been purchased and are installed on every classroom and lab computer where licensing allows. As technology continues to be infused in our curriculum and teacher and student skills improve, we see a future need to purchase more presentation equipment. Using technology to improve presentation skills will also cause an increase in the use of large multimedia files. We currently have 10Gbps WAN infrastructure, which will allow for smooth transfer between the local machine and local storage servers. Each teacher and student (5-12) is given a mapped drive for server storage, which can be access from any machine on the CISD domain. With digital learning and united streaming becoming more popular, we will continue to support our 20Mbps/building internet pipe through our ISP.

As more and more wireless technologies are used, our school's network infrastructure will need to be equipped with wireless access points.

Software Use and Duplication

For additional information, please refer to the District *acceptable use policy*.

- Duplication of copyrighted software is prohibited, except for a single archival copy not to be used simultaneously with the original. Duplication of documentation is prohibited. The written permission of the publisher must be obtained in order for the original software and its back-up to be used simultaneously.
- The Central Islip Union Free School District's computers may not be used to illegally duplicate copyrighted software.
- Software publishers must be contacted in order to obtain written permission and procedures for making back-up and multiple copies, other than a single archival back-up.
- A license from the publisher is required in order to download or network programs to other microcomputers.
- The use of illegally duplicated software, however obtained, is prohibited in all Central Islip Union Free School District's facilities.
- This policy must be posted conspicuously in every computer room, and next to computers that are available for staff and student use.
- Violators of this software policy will be subject to disciplinary action.
- Additional rules and regulations regarding software use can be found in the *acceptable use policy*.

These regulations are applicable to all Central Islip Union Free School District's facilities and users. These rules apply to all school district computers, tablets, iPads and mobile devices.
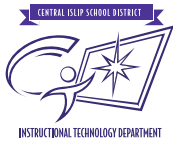
IMPORTANT LINKS

District Technology Plan
http://www.centralislip.k12.ny.us/techplan

District Technology Curriculum
http://www.centralislip.k12.ny.us/departments/technology/5-12_technology_curriculum

District Technology Policies
http://www.centralislip.k12.ny.us/departments/technology/tech_policies

District Technology Website
http://www.centralislip.k12.ny.us/departments/technology