West Babylon School District
Technology Plan
July 1, 2014 – June 30, 2019
West Babylon, New York 11704
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TECHNOLOGY PLANNING COMMITTEE

The Technology Planning Committee, established in its present form in 2000, is a working committee. The Technology Planning Committee shall conduct reviews, take actions and make recommendations on matters relative to the use of technology in curriculum and instruction and as a tool of organizational and individual productivity.

The Committee is comprised of representatives from: central administration, the West Babylon Administrators’ Association (WBAA), the West Babylon Teachers’ Association (WBTA), the West Babylon Civil Service Employee Association (CSEA), a clerical representative, The Parent Teacher Association (PTA), and members of the Technology team.

The Committee encourages appropriate uses for technology, develops and updates the district technology plan, articulates with district personnel in matters of technology, supports appropriate faculty/staff development, advocates for needed technical support and funding, recommends technology acquisitions (hardware and software), promotes relevant district policies, and serves in an advisory capacity for technology-related decisions.

District Technology Committee Members

Mr. Anthony Cacciola, Superintendent
Mrs. Diane Thiel, President, Board of Education
Dr. Yiendhy Farrelly, Assistant Superintendent for Human Resources
Mrs. Christine Tona, Executive Director for Curriculum and Student Services
Mrs. Jennifer Buscemi, Executive Director for Finance and Operations
Mrs. Stephanie Nocerino, Coordinator of K-12 Student Data and Instructional Technology
Mr. Scott Payne, Principal, West Babylon Junior High School
Mr. Charles Germano, Principal, Toaker Avenue Elementary School
Mrs. Diane L. DeBlasio, Master Technologist
Dr. Patricia Neville, Library Media Specialist, West Babylon Senior High School
Mrs. Alison Chiquitucto, Elementary Teacher, South Bay Elementary School
Mrs. Andrea Francisco, Library Media Specialist, Forest Avenue Elementary School
Mrs. Donna Rocchio, Clerk Typist, South Bay Elementary School
Mrs. Jennifer Longo, PTA
MISSION STATEMENT

District Mission Statement:

“We, the West Babylon School Community declare our commitment to provide educational experiences of quality which enable all students to learn, share, lead and compete in a global community. Our commitment is to provide a school system dedicated to the proposition that all students will become lifelong learners who take pride in their work and in their service to others.

We, therefore, endeavor to continually improve the quality of our work.”

Our educational technology mission statement aligns with the District’s mission statement:

In a global society and economy we strive for an equitable environment where all learners have equal access to technological literacy and tools that will help enhance learning and guarantee future success as citizens in a digital society.

Instructional Technology is fundamentally incorporated into all levels of instruction to provide the skills and knowledge that will empower all learners to embrace the challenges of tomorrow.
VISION STATEMENT

District Vision Statement:

"We dedicate the resources of our school system to develop the capacity of our students to take personal responsibility for their learning and well-being in order that they may become productive members of society. Trustee, employee, parent, and student cooperation is vital to these efforts. Thus, we encourage respectful dialogue among all concerned.

We promote high academic achievement for all students.
We commit our energies to enable students to understand and appreciate the Constitution of the United States, the Bill of Rights, and the civic virtues necessary to sustain a democracy.
We promote among students respect for oneself and for others, a sense of personal integrity, and commitment to community service, as well as a sense of fairness and honesty.
We provide protective care for our students in response to their needs for security, support, and encouragement."

Our vision statement for educational technology supports the District’s vision statement:

West Babylon School District must provide our children with the tools and the experience necessary to acquire the technological skills needed to excel in their educational endeavors, to be well-prepared for employment and to succeed as citizens.

In order to accomplish these goals, our District must make a significant and sustained commitment regarding technology:

We commit to the ongoing funding of technology.
We commit to making technology a district-wide priority.
We commit to the integration of technology into our daily curriculum in all grade levels
We commit to the training of the staff and faculty in using these new tools and resources. --We commit to the ongoing assessment and evaluation of all district technological elements.
We commit to maintaining administrative technology which will support the district in achieving all goals related to student success.

The integration of technology will improve communication among administration, staff, parents, students and residents within our school district as well as our local and global communities.
TECHNOLOGY GOALS and OBJECTIVES

Review of the Significant 2011-2014 Technology-Based Accomplishments:

• Updated Computer Labs
  o Computer labs in the High School were updated with Windows 7 operating system
  o A 30 laptop lab was created in the Junior High School for the Special Education Department

• New Computers
  o 204 computers were purchased for elementary school distribution
  o Computer labs are to be created at Tooker and Forest Avenue Schools
  o The remainder of the 204 will be distributed among the other elementary schools

• Installed Smart Boards district-wide
  o Chromebook carts were deployed in all buildings.

Grants
  o American Recovery and Reinvestment Act (ARRA) Grant
  o IDEA 611 Grant
  o Carol M. White Physical Education Program (PEP) Grant

• Physical Education Technology
  o iPads
  o heart rate monitors
  o pedometers

• Follett Destiny Library Software
  o Follett integrated educational technologies are designed to help create and sustain a rich, collaborative, technology-enabled environment that supports the complete life cycle of active learning while inspiring student success.
  o Integrates circulation, cataloging, searching, reporting and library, management functions on a single platform
  o Gives everyone in your district anywhere, anytime access to library resources with web-based functionality

• Parent Portal
• Electronic Elementary Report Cards
• Electronic Portal for NYS Individual Student Reports
• Purchased equipment and software in the SHS and JHS Art Departments to enable students to create and edit videos
• Meals Plus (complete K-12 foodservice management software system)
• Increased usage of Naviance to prepare our students for their college and career choices.
• Star Renaissance
• Sharp School District Website
• Sharp School Teacher Websites
• Online Tech Help system
• Finance Manager Updates
• Phone System
• Fiber Upgrades
• VM Project
• PA system upgrades
• Technology Advisors at each building
• Year-long Technology Development Workshops
• Technology Staff Developer/Trainer
• New Teacher Orientation
• Comprehensive Technology professional development
• Online Summer reading testing

• Features of the Full Service-Student Data Bank
  o Scanning Regents exams through BOCES
  o BARS
• Technology & Innovation Task Force Strategic Plan
• New Inventory Procedure
• New South Bay Technology
• Security Cameras
• Data to Inform Instruction/Instructional Purchases
• School and District Report Card Data workshops
• Student ID cards
• New District Website
• Teacher Website
• Creation of a Wireless Environment at the Senior High School
• Electronic Elementary Report Cards
• District-Wide Parent Portal Access
• Deployment of Google Apps for Education
  o Email for all, including students
  o Collaborative documents
  o Access via the web from anywhere
• VM View of student lab and gaining computer usage
GOALS AND OBJECTIVES

Over the next five years, it is the goal of the West Babylon School District to accomplish the following goals. These goals are created in alignment with the Long Range Strategic Plan and Our 2013-2014 Technology Committee.

**Goal #1 COMMUNITY ENGAGEMENT AND PARTNERSHIPS**
*We will develop communication methods to enhance relationships between the school district and the community.*

- The district website, social media, parent portal, and message boards will be used to communicate with members of the community and promote the school district.
- Put information postings on website in other languages.
- Develop a network of staff and parents who can communicate in other languages.
- Faculty will utilize available technology for developing their own web page.
- Have workshops for parents to teach them how to use district communication tools.
- Increase usage of the eSchoolData Parent Portal and Student Portal.

**TECHNOLOGY AND INNOVATION**
*Staff will be provided with access, support, and appropriate training in using technology to communicate effectively.*

- Create shared network folders organized by curricular objectives.
- Increase accessibility to online resources for students and staff.

*Staff will be provided with access, support, and appropriate technology-based training to perform their job responsibilities effectively.*

- Create, administer, evaluate, and prioritize a survey designed to identify types of technology-based training that is needed in West Babylon for our certified teaching professionals.
- Create, administer, evaluate, and prioritize a survey designed to identify the types of technology-based training that is needed in West Babylon for our non-teaching staff members.
- Organize a district-wide protocol that determines the ongoing implementation of relevant technology that is designed to increase the productivity of the entire staff.
- Maintain updated technologies and software.

**100% of Our Staff Will address the Technology-Based 21st Century Learning Needs of the Students in This District.**

- Create and implement technology-based curricular objectives at the K-5 level.
- Create and implement technology-based curricular objectives at the 6-8 level.
- Create and implement technology-based curricular objectives at the 9-12 level.
● Identify plans to increase student to device ratios, including consideration of BYOD or 1:1 initiatives

● Encourage teachers to create more digital portfolios and increase digital learning.

● Explore the use of online and blended learning

**The District Will Maintain a Procedure to Review All Aspects of Technology Tools to Ensure Consistency with the District’s Instructional Goals and Budgeting Process.**

- Determine what the district’s current hardware/software needs are through staff surveys and meetings with building and district administrators.

- Create a procedure to evaluate the district’s hardware/software purchases to ensure that all applicable features are being utilized to maximize the investment.

- Create a long-range action plan to keep all district technology updated and current.

- Create a comprehensive list of hardware and software to keep staff informed about what is available and to also assist in the budgeting process.

**All students, grades 3-12, will utilize Google Apps for Education applications to create, edit, and store their digital school work.**

- The English Departments will require grade 8-12 students to compose at least one essay using Google Docs and share the essay with their teacher.

- Building librarians will assist all grades 3-5 students in initially signing in to Google Apps and teach students how to use Google Docs, Presentations, and Drive.

**Students will communicate with their teachers using Google Apps for Education including Gmail.**

- Grade 6 - 8 teachers will be encouraged to require at least one assignment each year to be emailed to them by their students.
ASSESSMENT (INVENTORIES)

LANs/WAN:

The West Babylon School District has a fiber mesh topology connecting each of our buildings. All elementary buildings connect to both the JHS and SHS by a 1GB strand; the JHS and SHS connect to each other by a 10GB strand. The SHS acts as the Central NOC. VM Servers have begun to be implemented; there is a duplicate VM server at the JHS which replicates the files server data from the SHS.

The two buildings at the Transportation Department are now on our network, connected by 1GB fiber to the SHS.

Internet connectivity is maintained via a 100mb fiber connection to Western Suffolk BOCES with redundancy at both the Senior High School and the Junior High School.

Within each building, there is 10/100/1000mb fiber and a Cat-5 and Cat 5e infrastructure.

The district is protected by a firewall and an internet filter, ensuring compliance with the Children's Internet Protection Act (CIPA).

Email is provided and archived by Google Apps for Education and Google Vault. The system meets all state and federal requirements for archiving.

At the beginning of the 2013-14 school year, as a district we became 100% wireless.

All backup and storage is done by Island Tech which stores data out of region for disaster recovery purposes.

The district utilizes a dedicated server for the Destiny Library Manager System. This system combines circulation, cataloging, searching, reporting and management in one centrally installed library system. The students and faculty patrons access the system through any workstation with a supported web browser, through the district’s network.
**District Hardware Inventory:**

West Babylon School District Computer Inventory Summary

<table>
<thead>
<tr>
<th>Building</th>
<th>Total Number of Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest Avenue</td>
<td>133</td>
</tr>
<tr>
<td>JFK</td>
<td>142</td>
</tr>
<tr>
<td>Santapogue</td>
<td>162</td>
</tr>
<tr>
<td>South Bay</td>
<td>121</td>
</tr>
<tr>
<td>Tooker Avenue</td>
<td>134</td>
</tr>
<tr>
<td>Junior High School</td>
<td>295</td>
</tr>
<tr>
<td>Senior High School</td>
<td>374</td>
</tr>
<tr>
<td>Central Administration</td>
<td>23</td>
</tr>
<tr>
<td>Business Administration</td>
<td>22</td>
</tr>
<tr>
<td>Transportation</td>
<td>8</td>
</tr>
</tbody>
</table>

We are currently in the process of implementing an inventory tracking software which will better manage and capture the districts technology inventory. The full implementation should be completed by January 2015.
Technology Tools Used in Instruction

District Website  School  Email  Classroom
Websites
Desktop Computers
Laptop Computers
Handheld Computers
Laptop Computer/Chrome Books Carts
Wireless Access Points
Computer Labs
Printers
Scanner
Digital Still Cameras
Digital Video Camera
Digital Portfolios
Videoconferencing Televisions
DVD/VCR combo players
Compact Disk Players
Overhead Projectors  LCD
Projectors  SMART Boards
Mimio Interactive Technology
USB Flash Drives
Heart Rate Monitors
Microscope Cameras
Various Software Applications
Instructional Software Selection:
A Software Selection Committee has been established to select appropriate software to assist the professional staff in meeting the New York State Learning Standards. The committee will be comprised of representatives from each school, and meets regularly to evaluate which programs were most effective with instruction. An inventory of available software is maintained to ensure that district purchases are made accessible to all learners. Some software is installed locally and some is in the cloud.

West Babylon School District

<table>
<thead>
<tr>
<th>Technology Assessment Inventory - Software</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ABC World</strong></td>
</tr>
<tr>
<td><strong>Addition&amp;Subtraction</strong></td>
</tr>
<tr>
<td><strong>Adobe Acrobat Professional &amp; Premiere Pro</strong></td>
</tr>
<tr>
<td><strong>Adobe CS5: PhotoShop, Illustrator, InDesign,</strong></td>
</tr>
<tr>
<td><strong>Adventure Workshop</strong></td>
</tr>
<tr>
<td><strong>After Effects</strong></td>
</tr>
<tr>
<td><strong>AutoCad</strong></td>
</tr>
<tr>
<td><strong>Bienvenidos</strong></td>
</tr>
<tr>
<td><strong>Brain Pop/Brain Pop Jr.</strong></td>
</tr>
<tr>
<td><strong>Book Flix</strong></td>
</tr>
<tr>
<td><strong>Choices</strong></td>
</tr>
<tr>
<td><strong>Interactive Storybooks</strong></td>
</tr>
<tr>
<td><strong>Combining &amp; Breaking Apart Numbers</strong></td>
</tr>
<tr>
<td><strong>Deep Freeze</strong></td>
</tr>
<tr>
<td><strong>Destiny</strong></td>
</tr>
<tr>
<td><strong>eBoard</strong></td>
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<tr>
<td><strong>eduphoria!</strong></td>
</tr>
<tr>
<td><strong>Enchanted Learning</strong></td>
</tr>
<tr>
<td><strong>Envisions Successnet</strong></td>
</tr>
<tr>
<td><strong>Everyday Writer</strong></td>
</tr>
<tr>
<td><strong>E-Z Audit</strong></td>
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<tr>
<td><strong>Finale 2010</strong></td>
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<tr>
<td><strong>Focused Fitness</strong></td>
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<tr>
<td><strong>Fraction Attraction</strong></td>
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<tr>
<td><strong>Geometers Sketch Pad</strong></td>
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<tr>
<td><strong>Google Apps for Education</strong></td>
</tr>
<tr>
<td><strong>IXL</strong></td>
</tr>
<tr>
<td><strong>JCreator</strong></td>
</tr>
<tr>
<td><strong>Key Skills for Math - Addition, Subtraction Practice</strong></td>
</tr>
<tr>
<td><strong>Kidspiration</strong></td>
</tr>
<tr>
<td><strong>Kurzweil 3000</strong></td>
</tr>
<tr>
<td><strong>Learning A to Z</strong></td>
</tr>
<tr>
<td><strong>Map Maker</strong></td>
</tr>
<tr>
<td><strong>Math Arena</strong></td>
</tr>
<tr>
<td><strong>My Learning Plan/Oyasis</strong></td>
</tr>
<tr>
<td><strong>Polar PE Manager</strong></td>
</tr>
<tr>
<td><strong>Math Mysteries Measurement</strong></td>
</tr>
<tr>
<td><strong>Math Mysteries Whole Numbers</strong></td>
</tr>
<tr>
<td><strong>Naviance</strong></td>
</tr>
<tr>
<td><strong>Microsoft Office:Access,Excel,PowerPoint,Word, Publisher</strong></td>
</tr>
<tr>
<td><strong>Microtype</strong></td>
</tr>
<tr>
<td><strong>Multiplication and Division</strong></td>
</tr>
<tr>
<td><strong>Neighborhood Map Machine</strong></td>
</tr>
<tr>
<td><strong>Pebblego.com</strong></td>
</tr>
<tr>
<td><strong>PD 360</strong></td>
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<tr>
<td><strong>Photo2DVD</strong></td>
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<tr>
<td><strong>Photo Story</strong></td>
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<tr>
<td><strong>Pinnacle Studio</strong></td>
</tr>
<tr>
<td><strong>RAZ Kids</strong></td>
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<tr>
<td><strong>Reading A-Z</strong></td>
</tr>
<tr>
<td><strong>Readworks.org</strong></td>
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<tr>
<td><strong>Reading Blaster</strong></td>
</tr>
<tr>
<td><strong>Read 180</strong></td>
</tr>
<tr>
<td><strong>Same or Different</strong></td>
</tr>
<tr>
<td><strong>Science Wizard</strong></td>
</tr>
<tr>
<td><strong>Simple Sentence Structure</strong></td>
</tr>
<tr>
<td><strong>Social Studies Wizard</strong></td>
</tr>
<tr>
<td><strong>Soundzabound</strong></td>
</tr>
<tr>
<td><strong>StudyDog.com</strong></td>
</tr>
<tr>
<td><strong>Star Renaissance</strong></td>
</tr>
<tr>
<td><strong>Symantec</strong></td>
</tr>
<tr>
<td><strong>Timepiece/Finance Manager</strong></td>
</tr>
<tr>
<td><strong>Thinking Skills</strong></td>
</tr>
<tr>
<td><strong>TrueFlixx</strong></td>
</tr>
<tr>
<td><strong>Type to Learn</strong></td>
</tr>
<tr>
<td><strong>TI-84 Calculator and software</strong></td>
</tr>
<tr>
<td><strong>Usborne's Animated First Thousand Words</strong></td>
</tr>
<tr>
<td><strong>World Book Online</strong></td>
</tr>
</tbody>
</table>

The West Babylon School District uses eSchoolData as their student management system. The district currently uses IEP Direct as their special education student management system. The district also used Finance Manager for many budgetary and requisition responsibilities.
PROFESSIONAL DEVELOPMENT

The mission of West Babylon's Technology Professional Development Program is to create the opportunities and environment necessary to provide staff members with increased skills and knowledge. This knowledge is required for the differentiation of instruction and delivery to all children under their care. Staff members are required to attend professional development opportunities when they occur during the school day. There will also be a comprehensive technology-based professional development program offered after school throughout the school year. All staff will be notified about these opportunities by email, building level administrators, and the district website. The hours earned by staff members can be applied toward their required hours of professional development or toward in-service credit. The credits / hours that are earned by staff members are kept track of by the office of Instructional Technology & Support and the Office of Human Resources. The district has implemented the use of My Learning Plan to assist with this process. An archived record of all past attendees is maintained and stored at the ITS office.

Our goal is to identify the knowledge, skills, and attitudes of the staff and provide them with meaningful technology staff development opportunities that target the New York State Learning Standards. This information will be generated by a needs assessment survey to be completed by all staff members. Local tech support is also available at each building through a designated tech advisor. Additionally, BOCES, Teacher Center and SCOPE courses are publicized and encouraged in all schools.

The West Babylon School District is committed to training its staff on how to use and integrate technology. We have established Technology Advisor positions in each of our schools, and these staff members are serving as turn-key trainers for new and significant technology initiatives in our district. We also have a staff developer/technology trainer who works with teachers in all seven school buildings. The goals of West Babylon's Technology Staff Development Plan include the following standards:

**Standard One:** All staff will understand the technology and its role as a tool in instruction and administrative tasks.

**Standard Two:** All staff will utilize the technology to communicate within the buildings and throughout the district and community through the electronic mail systems.

**Standard Three:** All staff will work successfully, independently and cooperatively, in a networked environment.

**Standard Four:** All staff will have equal access to technology-based professional development opportunities.

**Standard Five:** Teachers will increase their knowledge of the variety of instructional materials and equipment available to help students meet their individual needs. Teachers will be able to integrate instructional technology and Internet safety into the curriculum across the content areas, curriculum maps and curriculum guides.
MONITORING and EVALUATION

The progress in implementing our District Technology Plan will be reviewed and reported by the District Technology Plan Committee. This committee will meet periodically and update the plan as necessary. They will also explore new technological developments and opportunities as they arise. In addition to this, they will present their findings to the Board of Education annually.

West Babylon is committed to the ongoing evaluation of its programs, and to specific assessment strategies and technologies that provide timely data, as they pertain to this technology plan.

Staff will be surveyed annually on the use of the technologies available and future needs. Participants in the professional development program create projects and/or lesson plans that coordinate with state standards as well as curriculum objectives as outlined in the District Curriculum Guides. These lesson plans and projects are reviewed before the institute’s in-service credits are awarded.

Chairpersons and principals conduct annual formal and informal observations of teachers. Informal observations by the Personnel Administrator, chairpersons and colleagues also assist in the evaluation process. Annual Professional Performance Reviews include evaluation criteria related to the use of instructional technology. Teachers use self-assessment strategies for improvement.

Based on the National Educational Technology Standards (NET-S), this committee will work to establish grade specific curricular technology objectives. This process will be monitored as a standing agenda item at the regularly scheduled meetings of the Technology Planning Committee.
APPENDICES

Internet Use Agreement

West Babylon School District
Internet Use Agreement

I understand and will abide by the Internet and Acceptable Use policy (JFCI) and “The Attorney General’s Bill of Rights and Responsibilities for Student Internet Users” (see attached). I further understand that any violation of the regulations above is unethical and may constitute a criminal offense. Should I commit a violation, my access privileges may be revoked, and school disciplinary actions and/or appropriate legal action, may be taken.

Student’s Name (please print):________________________________________________________

Student’s Grade Level:______________________________________________________________

Student’s Building:______________________________________________________________

Student’s Signature:________________________________________Date:_________________

(If you are under the age of 18, a parent or guardian must also read and sign this agreement)

PARENT OR GUARDIAN

As the parent or guardian of this student, I have read the Internet and Acceptable Use Agreement. I understand that this access is designed for educational purposes. BOCES and the West Babylon School District, to the best of their ability, have taken precautions to eliminate controversial material. However, I also recognize it is impossible for West Babylon School District to restrict access to all controversial materials and I will not hold it responsible for materials my child may acquire on the network. Further, I accept full responsibility for supervision if and when my child’s use is not in a school setting.

*I hereby give permission to the West Babylon School District to allow my child to gain access to the Internet and the district network system for the time he/she is in the school building (grades K-5; grades 6-8; grades 9-12) and that the information contained on this form is correct. If this form is not on file with the school building, I understand that my child will be denied access to the Internet in the school.

Parent/Guardian’s Name (please print):_______________________________________________

Address: _______________________________________________________________________

Telephone (Home): ________________________ (Business): ____________________________

Signature: _________________________________ Date: ____________________________
INTERNET SAFETY CURRICULUM

West Babylon believes the Internet is a powerful influence on education and will provide positive impacts in a student’s success academically and in preparation for the college world and work world with 21st century skills. The exponential growth of the high-speed Internet and World Wide Web has expanded today’s world and the future world of communications far beyond anyone’s expectations. West Babylon recognizes that students are adept at learning new technologies quickly and do not have experience with or full understanding of potential risks. It is our intention that students experience and enjoy the many benefits of the Internet while reducing their exposure to risk factors of inappropriate content, inappropriate contact, and inappropriate conduct.

West Babylon Schools has an Acceptable Use Policy, an Internet Use Policy JFCI, and a Code of Conduct that includes safety components related to cyber ethics. West Babylon Schools also maintains up-to-date filtering software and has a staff of technologists who maintain the integrity of Internet access in all seven schools.

At the elementary level, classroom teachers discuss Internet Safety while visiting computer labs. Library Media Specialists K-12 instruct students in Internet Safety, Copyright Laws, Netiquette, and other proper conduct issues in classes. At the 6th, 7th, and 8th grade levels students are enrolled in technology classes where safety issues with the Internet and other digital platforms are addressed.

In the High School, Internet safety, proper Netiquette and proper use of digital platforms are addressed in Business classes, Technology classes, Library, and Science classes. There is a SEL program (Social Emotional Learning) that also addresses cyberbullying and Internet Safety, including presentations by Suffolk County Police Liaisons and other experts at the Junior High and Senior High Schools.

The district also employs a staff developer who works with teachers district-wide in the integration of technology including the Internet and ways to instruct students in awareness of potential risks, appropriate online behavior including interacting with other individuals on social networking websites and in chat rooms and cyberbullying awareness and response.

West Babylon Schools believes its response to technology and innovation is dynamic and must keep current with changes. To that end the Strategic Action Plan developed by the district has developed Strategic Intent #3: By 2013-2014, 100% of our staff will address the Technology-Based 21st Century Learning Needs of the Students in the District. The Key Initiative is that teaching teams will further develop technology-based curricular objectives Kindergarten through twelfth grade. The district has curricular teams who develop curriculum guides every two years and each team beginning in 2011 with K-2 will add an Internet Safety Component aligned with Core Standards and 21st Century Skills to the Curriculum with all curriculum guides being completed by 2015.

Additionally, all West Babylon School Websites will provide a link to Internet Safety Resources for parents, community, and teachers including sites such as: iKeepSafe.Org and other sites recommended by the New York State Attorney General’s Office. The booklet Net Cetera from OnGuard Online is distributed to all parents and training in web-safety/technology is offered at PTA meetings and addressed at classroom Open Houses and Parent Nights.
National Educational Technology Standards (NETS)

1. **Creativity and Innovation**
   Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students:
   - apply existing knowledge to generate new ideas, products, or processes.
   - create original works as a means of personal or group expression.
   - use models and simulations to explore complex systems and issues.
   - identify trends and forecast possibilities.

2. **Communication and Collaboration**
   Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. Students:
   - interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.
   - communicate information and ideas effectively to multiple audiences using a variety of media and formats.
   - develop cultural understanding and global awareness by engaging with learners of other cultures.
   - contribute to project teams to produce original works or solve problems.

3. **Research and Information Fluency**
   Students apply digital tools to gather, evaluate, and use information. Students:
   - plan strategies to guide inquiry.
   - locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
   - evaluate and select information sources and digital tools based on the appropriateness to specific tasks.
   - process data and report results.

4. **Critical Thinking, Problem Solving, and Decision Making**
   Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. Students:
   - identify and define authentic problems and significant questions for investigation.
   - plan and manage activities to develop a solution or complete a project.
   - collect and analyze data to identify solutions and/or make informed decisions.
   - use multiple processes and diverse perspectives to explore alternative solutions.

5. **Digital Citizenship**
   Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. Students:
   - advocate and practice safe, legal, and responsible use of information and technology.
exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.

demonstrate personal responsibility for lifelong learning.

exhibit leadership for digital citizenship.

6. **Technology Operations and Concepts**

Students demonstrate a sound understanding of technology concepts, systems, and operations. Students:

• understand and use technology systems.
• select and use applications effectively and productively.
• troubleshoot systems and applications.
• transfer current knowledge to learning of new technologies.
INTERNET SAFETY
The Board of Education is committed to undertaking efforts that serve to make safe for children the use of district computers for access to the Internet and World Wide Web. To this end, although unable to guarantee that any selected filtering and blocking technology will work perfectly, the Board directs the Superintendent of Schools to procure and implement the use of technology protection measures that block or filter Internet access by:

• adults to visual depictions that are obscene or child pornography, and
• minors to visual depictions that are obscene, child pornography, or harmful to minors, as defined in the Children’s Internet Protection Act.

Subject to staff supervision, however, any such measures may be disabled or relaxed for adults conducting bona fide research or other lawful purposes, in accordance with criteria established by the Superintendent or his or her designee.

The Superintendent or his or her designee also shall develop and implement procedures that provide for the safety and security of students using electronic mail, chat rooms, and other forms of direct electronic communications; monitoring the online activities of students using district computers; and restricting student access to materials that are harmful to minors.

In addition, the Board prohibits the unauthorized disclosure, use and dissemination of personal information regarding students; unauthorized online access by students, including hacking, cyber-bullying and other unlawful activities; and access by students to inappropriate matter on the Internet and World Wide Web. The Superintendent or his or her designee shall establish and implement procedures that enforce these restrictions.

The computer network coordinator designated under the district’s Computer Network or Acceptable Use Policy shall monitor and examine all district computer network activities to ensure compliance with this policy and accompanying regulation. He or she also shall be responsible for ensuring that staff and students receive training on their requirements.

All users of the district’s computer network, including access to the Internet and World Wide Web, must understand that use is a privilege, not a right, and that any such use entails responsibility. They must comply with the requirements of this policy and accompanying regulation, in addition to generally accepted rules of network etiquette, and the district’s Acceptable Use Policy. Failure to comply may result in disciplinary action including, but not limited to, the revocation of computer access privileges.

Ref: Public Law No. 106-554
   47 USC §254
   20 USC §6777

Adoption date: 11/9/10
INTERNET SAFETY REGULATION

The following rules and regulations implement the Internet Safety Policy adopted by the Board of Education to make safe for children the use of district computers for access to the Internet and World Wide Web.

I. Definitions

In accordance with the Children’s Internet Protection Act,

- Child pornography refers to any visual depiction, including any photograph, film, video, picture or computer or computer generated image or picture, whether made or produced by electronic, mechanical, or other means, of sexually explicit conduct, where the production of such visual depiction involves the use of a minor engaging in sexually explicit conduct. It also includes any such visual depiction that (a) is, or appears to be, of a minor engaging in sexually explicit conduct; or (b) has been created, adapted or modified to appear that an identifiable minor is engaging in sexually explicit conduct; or (c) is advertised, promoted, presented, described, or distributed in such a manner than conveys the impression that the material is or contains a visual depiction of a minor engaging in sexually explicit conduct.

- Harmful to minors means any picture, image, graphic image file, or other visual depiction that (a) taken as a whole and with respect to minors, appeals to a prurient interest in nudity, sex, or excretion; (b) depicts, describes or represents, in a patently offensive way with respect to what is suitable for minors, an actual or simulated sexual act or sexual contact, actual or simulated normal or perverted sexual acts, or a lewd exhibition of the genitals; and (c) taken as a whole, lacks serious literary, artistic, political, or scientific value as to minors.

II. Blocking and Filtering Measures

- The Superintendent or his or her designee shall secure information about, and ensure the purchase or provision of, a technology protection measure that blocks access from all district computers to visual depictions on the Internet and World Wide Web that are obscene, child pornography or harmful to minors.

- The district’s computer network coordinator shall be responsible for ensuring the installation and proper use of any Internet blocking and filtering technology protection measure obtained by the district.

- The computer network coordinator or his or her designee may disable or relax the district’s Internet blocking and filtering technology measure only for adult staff members conducting research related to the discharge of their official responsibilities.

- The computer network coordinator shall monitor the online activities of adult staff members for whom the blocking and filtering technology measure has been disabled or relaxed to ensure there is not access to visual depictions that are obscene or child pornography.
III. Monitoring of Online Activities

- The district’s computer network coordinator shall be responsible for monitoring to ensure that the online activities of staff and students are consistent with the district’s Internet Safety Policy and this regulation. He or she may inspect, copy, review, and store at any time, and without prior notice, any and all usage of the district’s computer network for accessing the Internet and World Wide Web and direct electronic communications, as well as any and all information transmitted or received during such use. All users of the district’s computer network shall have no expectation of privacy regarding any such materials.
- Except as otherwise authorized under the district’s Computer Network or Acceptable Use Policy, students may use the district’s computer network to access the Internet and World Wide Web only during supervised class time, study periods or at the school library, and exclusively for research related to their course work.
- Staff supervising students using district computers shall help to monitor student online activities to ensure students access the Internet and World Wide Web, and/or participate in authorized forms of direct electronic communications in accordance with the district’s Internet Safety Policy and this regulation.
- The district’s computer network coordinator shall monitor student online activities to ensure students are not engaging in hacking (gaining or attempting to gain unauthorized access to other computers or computer systems), and other unlawful activities.

IV. Training

- The district’s computer network coordinator shall provide training to staff and students on the requirements of the Internet Safety Policy and this regulation at the beginning of each school year.
- The training of staff and students shall highlight the various activities prohibited by the Internet Safety Policy, and the responsibility of staff to monitor student online activities to ensure compliance therewith.
- Students shall be directed to consult with their classroom teacher if they are unsure whether their contemplated activities when accessing the Internet or Worldwide Web are directly related to their course work.
- Staff and students will be advised to not disclose, use and disseminate personal information about students when accessing the Internet or engaging in authorized forms of direct electronic communications.
- Staff and students will also be informed of the range of possible consequences attendant to a violation of the Internet Safety Policy and this regulation.

Reporting of Violations

- Violations of the Internet Safety Policy and this regulation by students and staff shall be reported to the Building Principal.
- The Principal shall take appropriate corrective action in accordance with authorized disciplinary procedures.
- Penalties may include, but are not limited to, the revocation of computer access privileges, as well as school suspension in the case of students and disciplinary charges in the case of teachers.
Management Devices

Note:
1. Each remote site will connect to the core via a point-to-point link. OSPF routing protocol is used.
2. VLAN 220 (Barcelone-Mon) will be bridged throughout the building.
3. VLAN 1 (SHS) will be bridged between SHS core and TR
4. VLAN 201 (SHS) can be re-assigned and moved out of VLAN 380
5. VLAN 385 (BARON) will be bridged between SHS and BARON.