

Technology Plan

2007-2008

Montauk Union Free School District

May 4, 2007

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1. INTRODUCTION

1.1 Mission Statement

The students of Montauk School will be successful learners; confident and motivated to perform in a global society with excellence, dignity and pride.

1.2 School District Background

Montauk is a small hamlet at the eastern tip of Long Island. There is one K-8 elementary school in the district. There are approximately 300 students attending the elementary school. Montauk School employs 42 teachers in a staff of 64.

2. VISION AND GOALS

2.1 School District Vision

Montauk School seeks to provide the best possible educational environment to the students. The use of technology not only enhances the educational environment, but also improves the efficiency of the teaching staff. The scope of education is also improved by teaching technology skills to the students. Students will utilize these skills to problem-solve and adapt to a changing world. Therefore, Montauk School plans to provide its students with the technologies available which will allow them to succeed.

2.2 School District Goals

Montauk School has three (3) major goals in technology for the 2007-2008 school year.

1. Install 8 more Smartboards and train staff to become proficient using them.
 - Strategy to Meet the Goal – Once boards are installed, training will be set up in the fall for the staff members to begin to familiarize themselves with the boards. Also, throughout the year, Montauk teachers will participate in morning and afternoon professional development classes, Montauk Institute of Technology (MIT). During these classes, instructors trained on the boards will share best practices with their colleagues. These sessions will also allow teachers to plan Smartboard lessons that will be delivered in the classroom.

2. Use existing eSchool SIS to prepare and deliver progress reports and report cards.
 - Strategy to Meet the Goal – In the fall, teachers will be trained to set up, access, and update the Gradebook feature in eSchool. This will allow teachers to have current student averages at their disposal. Teachers will also learn how to create progress reports using eSchool. This process will allow teachers to produce progress reports in a more streamlined manner. Training will take place during 5th thru 8th grade common planning times. Faculty members familiar with the Gradebook and Progress Report entry process will instruct other faculty members on creating said reports.
3. Provide access to school applications and files from remote locations outside of school.
 - Strategy to Meet the Goal – Before the beginning of the 2007-2008 school year, a computer lab will be set up to provide remote access to files and applications for students, faculty, and staff. This will provide the district with approximately 24 remote access computers. Once access is ready, notification to all concerned parties will be made through flyers and postings on the Montauk School website. Instruction on how to use remote access will be supplied at this time. Furthermore, all faculty, staff, and school families will receive a needs assessment in the fall. Through the assessment, the technology committee will be able to find out how many people have access to the internet, who would take advantage of being able to access files as well as the applications at school, and who is currently taking advantage of the remote access. An iNote will also be placed on the Montauk School eBoard homepage for students and families to post their comments about their experiences using the remote access. From the assessment, iNote postings, and informal interviews, the technology committee can make recommendations as to how Montauk School may deliver remote access in the future. One possible consideration would be installing a thin-client server that would allow far greater access to the applications and files as well as an easier method for managing the delivery of the applications.

During the May Technology Committee meeting, the previous year's goals will be reviewed to determine the success of each goal and modify them as needed.

3. Curriculum

3.1 Curriculum Integration

3.1.1 Alignment with Standards

Montauk School aligns its goals and exit outcomes with the National Educational Technology Standards, NETS. See appendix A for NETS.

3.1.2 Strategies to Improve Academic Achievement

Below is a list of strategies that are used to improve the academic achievement of all students:

- Differentiated Instruction - Through Smartboard lessons, multimedia presentations, and web video providers, teachers are able to address the different learning styles of their students.
- Combined Computer-Library Media Instruction-Research process and critical evaluation skills are developed through the combination of the two areas.
- Simulation Instruction – Instruction via the computer provides students multiple opportunities to tackle real world problems and tasks. Applications such as Bridge Builder and Froguts allow students to experience lifelike situations that they would otherwise not be able to without a computer.
- Online Collaboration and Discussion – Interactive critical discussions using eBoard's iNote allow students better understanding of subject material while they are also learning the skill and value of blogging.

3.1.3 Identifying and Promoting Curricula that Integrate Technology Effectively into Instruction

The district will identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction in a few different ways.

- Teacher Observation – Through teacher observation, administrators will be allowed a first-hand look at what practices are being used in the classrooms. Administrators may then highlight and share best practices with the faculty at monthly faculty meetings
- Teacher Survey – Teachers can share, via a survey, what practices they find to work in their classrooms. Best

practices may be shared to the faculty through staff development conferences, faculty meetings, and in-service programs. Surveys will be taken twice a year. These surveys will help to track growth and learning.

3.2 Student Achievement - How Technology will be Integrated into Instruction

See Appendix B for the School District's Computer Curriculum and Appendix C for the Software Inventory List.

3.3 Technology Delivery

3.3.1 Current Uses to Access Distant Resources

Montauk School uses the internet as its primary source for distant learning. Teachers take advantage of both United Streaming and PowerMedia Plus to bring movies and videos to their classrooms via the internet. Students “visit” other countries through the internet to research and learn about other cultures. In preparation of school trips, teachers and their classes visit museums to prepare themselves for the experience.

3.3.2 Goals for Future Uses to Access Distant Resources

Montauk School is looking into the possibility of expanding its distant learning experiences by researching videoconferencing. A videoconferencing unit would allow teachers to interact live with authors, museums, and other classrooms. With this technology, teachers would be able to take their students to places they could never go and interact with people they would never have the opportunity to meet. Current bandwidth, teleconferencing units, and the impact on the budget will all be evaluated during the research process.

3.4 Parental Communications & Community Relations

3.4.1 Dissemination of Technology Plan

The Montauk School District Technology Plan will be accessible in several different ways. A hard copy will be on hand in the district's main office. Members of the community wishing to read the plan may request the copy from the district office. A copy of the plan will also be accessible through the Montauk School website. Anyone wishing to access the file will be able to do so by visiting www.montaukschool.org and following the appropriate links.

3.4.2 Communication with Parents

Montauk School is open to and encourages participation with the parents of the community in regards to its technology plan. Parents and community members can contact the school either by phone (668-2474), fax (668-1107), or e-mail (info@montaukschool.org.)

3.5 Collaboration with Adult Literacy Service Providers

Currently, the Montauk School Adult Education Program offers courses to the community in various areas of technology. This year, courses in beginning computing, Microsoft Office applications, and digital photography were offered and greatly attended. Next year, the Adult Education coordinator plans to offer more of the same type of courses to the public.

4 Professional Development

4.1 Development of School Faculty and Staff

4.1.1 Current Strategies in Place

Montauk School uses a variety of strategies to provide professional development to its teachers in technology. This past year, three Superintendent's Conference Days were designed to provide training in three different areas of technology: interactive white-boards, Smartboard, web-based student information systems, eSchool, and a web-based mapping application, TechPaths. Outside trainers were brought in to teach the faculty and staff the various skills needed in the aforementioned areas. Teachers wanting an opportunity for more one-on-one help in these areas were able to attend the Montauk MIT classes where colleagues assisted them in areas of weakness. Also, the Computer Resource Teacher was available during the school day for those teachers and staff seeking further assistance. Montauk School is a member of the Model Schools Program which offers many training opportunities. Also, the administration at Montauk School is very supportive of teachers taking advantage of conferences and online courses. Many teachers in the district have utilized online courses and have shared what they have learned with colleagues.

4.1.2 Integration of Teachers' Knowledge

While skill development is important, professional development is designed so that teachers can integrate their knowledge into all aspects of their curriculum and classroom.

4.1.3 Timeline for Professional Development

Professional development in the area of technology will be delivered throughout the year in different ways. Each week, the Montauk Institute of Technology, MIT, will offer classes before and after school to provide instruction to faculty members. These classes will focus on various topics throughout the year. Also, time will be used during Superintendent's Conference Days to deliver instruction and information to the faculty as a whole. Furthermore, over the course of the year, faculty who choose to will participate in online courses that help address their technology needs.

4.1.4 State and National Standards Addressing Technology Competencies

Montauk School uses ISTE's National Educational Technology standards to address technology standards for students, teachers, and administration.

4.2 Supporting Resources

There are a variety of resources that are utilized to support the entire technology program. The following are a list of these resources:

- eBoard - Informational Teacher Board
- Montauk Institute of Technology Program, MIT – Before and after school in-service program designed to provide assistance and knowledge to teachers developing lessons that incorporate new technologies.
- Online Courses – Online technology courses are available to faculty and staff.
- IT Staff – Staff is available during the day for teachers who need help with their technology needs. This may be either hardware or software related. Montauk School also employs a technical consultant who maintains the overall network and advises the district on future purchases and upgrades to the network.
- Online Subscription Services – Montauk School subscribes to the School Library System's Virtual Reference Collection, United Streaming, Enchanted Learning, and BrainPop. Individually, some teachers subscribe to their own online services such as Reading A-Z.
- School Library/Professional Library Materials - See Attachment D for School Library/Professional Library Magazines, Journals, and Books – Selected List

5 Infrastructure, Hardware, Technical Support, and Software

5.1 Infrastructure Needs/Technical Specification

See Appendix E for Diagram of School Hardware Infrastructure and detailed list of technology disbursement throughout the building.

5.1.1 Description and Inventory of Technology

Fileservers – Server-1, Server-2, Server-3

Dell PowerEdge 1750
Intel Xeon Processor 2.40 GHz
Windows 2000 Server Service Pack 4
1 Gig RAM
2 @ 36 Gig Drives – RAID 1
12 and 24 Gig Partitions

Network Storage Devices – NAS-1, NAS-2, NAS-3

Dell Power Vault NAS
Intel Celeron 2.00 GHz Processor
Windows 2000 Server Service Pack 4
512 Meg RAM
4 @ 76 Gig Drives
C Drive – Mirrored on Disc 0 and Disc 1 – 5 Gig
D Drive – Mirrored on Disc 2 and Disc 3 – 5 Gig
E Drive – RAID 5 Striped on Discs 0,1,2,3,4 – 208 Gig

Network Switches

10/100 FastEthernet connections to all workstations
Gigabit connections to servers

Router

Router is owned and managed by Cablevision. They are providing content filtering and Firewall protection on the router

Cable Modem

Cable Modem is provided by Cablevision and has High Bandwidth enabled

Computers - Desktops

7 Dell Optiplex GX620 Intel Pentium 2.80GHz, 1 GB RAM
4 Dell Optiplex GX520 Intel Pentium GHz, GB RAM
91 Dell Optiplex GX270 Intel Pentium 4 2.8 GHz, 256 GB RAM

Computers – Laptops

5 Dell Latitude D510 Intel Celeron 1.4 GHz, 504 MB RAM
5 Dell Latitude 110L Intel Celeron 1.4 GHz, 504 MB RAM
2 Dell Latitude D610 Pentium 1.5 GHz, 512 MB RAM
3 Dell Latitude D600 Intel Pentium 1.5 GHz, 512 MB RAM

Scanners

2 Epson Perfection 4490 Photo Scanners

Printers

2 HP LaserJet 3700N
4 HP LaserJet 1300N
3 HP CP 1160
1 Epson R320
3 Dell J740
1 Lexmark z600
1 HP LaserJet 1200
1 HP 932 DeskJet
2 HP 1220C Laser
1 HP Designjet 130nr
3 Dell 1700 Laser Printers

5.1.2 Technology Needed to Improve Instruction

As the technology needs change for the district, an assessment will be made as to the technology hardware needed in the district to sustain the demands being made on the system. Servers, routers, storage space, accessibility, and processing speed will all be taken into account when decisions are made about purchases that will be made to improve future instruction.

5.1.3 Strategies for Ensuring Interoperability of Equipment

Each year, the technology consultant will meet with the Technology Committee and discuss the upcoming needs for the district. The current system will be discussed and needs for the future will be addressed. Consideration will be given to speed and space while ensuring that any additions to the system will be compatible with existing equipment.

5.1.4 Technical Support Available within District

Montauk School employs a Computer Resource Teacher that is available for all faculty and staff for both problem-solving and instruction. The district also employs a technical consultant who oversees the operation of the overall network. This consultant is kept aware of ongoing issues and addresses problems on site as needed.

5.2 Plans to Increase Access

The Montauk School District is aware that all students need access to technology and is always looking for ways to increase access to all. The school has a wonderful relationship with the local public library which offers their members access to computers and the internet. All students are made aware that the local library offers this service and are encouraged to take advantage of it. Furthermore, Montauk School allows students the opportunity to arrive before school begins so that they may have access to technology they might not have at home.

6 Funding and Budget

6.1 2007-2008 Detailed Budget

See Appendix F for the 2007-2008 budget.

6.2 Long-term Investment and Sustainability

The Montauk School District is currently a member of the Eastern Suffolk Boces Model Schools Program. As a member, Montauk School receives aid in technology purchases as well as support and training with new technologies.

APPENDIX A: National Educational Technology Standards

NETS for Students

Technology Foundation Standards for All 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.
- 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.
-

Profiles for Technology Literate Students

GRADES PRE K - 2

Performance Indicators:

All students should have opportunities to demonstrate the following performances.

Prior to completion of Grade 2 students will:

1. Use input devices (e.g., mouse, keyboard, remote control) and output devices (e.g., monitor, printer) to successfully operate computers, VCRs, audiotapes, and other technologies. (1)
 2. Use a variety of media and technology resources for directed and independent learning activities. (1, 3)
 3. Communicate about technology using developmentally appropriate and accurate terminology. (1)
 4. Use developmentally appropriate multimedia resources (e.g., interactive books, educational software, elementary multimedia encyclopedias) to support learning. (1)
 5. Work cooperatively and collaboratively with peers, family members, and others when using technology in the classroom. (2)
 6. Demonstrate positive social and ethical behaviors when using technology. (2)
 7. Practice responsible use of technology systems and software. (2)
 8. Create developmentally appropriate multimedia products with support from teachers, family members, or student partners. (3)
 9. Use technology resources (e.g., puzzles, logical thinking programs, writing tools, digital cameras, drawing tools) for problem solving, communication, and illustration of thoughts, ideas, and stories. (3, 4, 5, 6)
 10. Gather information and communicate with others using telecommunications, with support from teachers, family members, or student partners. (4)
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GRADES 3 - 5

Performance Indicators:

All students should have opportunities to demonstrate the following performances.

Prior to completion of Grade 5 students will:

1. Use keyboards and other common input and output devices (including adaptive devices when necessary) efficiently and effectively. (1)
 2. Discuss common uses of technology in daily life and the advantages and disadvantages those uses provide. (1, 2)
 3. Discuss basic issues related to responsible use of technology and information and describe personal consequences of inappropriate use. (2)
 4. Use general purpose productivity tools and peripherals to support personal productivity, remediate skill deficits, and facilitate learning throughout the curriculum. (3)
 5. Use technology tools (e.g., multimedia authoring, presentation, Web tools, digital cameras, scanners) for individual and collaborative writing, communication, and publishing activities to create knowledge products for audiences inside and outside the classroom. (3, 4)
 6. Use telecommunications efficiently and effectively to access remote information, communicate with others in support of direct and independent learning, and pursue personal interests. (4)
 7. Use telecommunications and online resources (e.g., e-mail, online discussions, Web environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom. (4, 5)
 8. Use technology resources (e.g., calculators, data collection probes, videos, educational software) for problem solving, self-directed learning, and extended learning activities. (5, 6)
 9. Determine when technology is useful and select the appropriate tool(s) and technology resources to address a variety of tasks and problems. (5, 6)
 10. Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources. (6)
-

GRADES 6 - 8

Performance Indicators:

All students should have opportunities to demonstrate the following performances.

Prior to completion of Grade 8 students will:

1. Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use. (1)
2. Demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society. (2)
3. Exhibit legal and ethical behaviors when using information and technology, and discuss consequences of misuse. (2)
4. Use content-specific tools, software, and simulations (e.g., environmental probes, graphing calculators, exploratory environments, Web tools) to support learning and research. (3, 5)
5. Apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum. (3, 6)
6. Design, develop, publish, and present products (e.g., Web pages, videotapes) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom. (4, 5, 6)
7. Collaborate with peers, experts, and others using telecommunications and collaborative tools to investigate curriculum-related problems, issues, and information, and to develop solutions or products for audiences inside and outside the classroom. (4, 5)
8. Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems. (5, 6)
9. Demonstrate an understanding of concepts underlying hardware, software, and connectivity, and of practical applications to learning and problem solving. (1, 6)
10. Research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems. (2, 5, 6)

APPENDIX B: School District's Computer Curriculum

Grade Level K	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Mouse operation • Double-clicking • Dragging objects • Copy/Paste • Choosing Printer 	<ul style="list-style-type: none"> • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Shift • Caps Lock • Font • Toolbars • Icon 	<ul style="list-style-type: none"> • Elementary Key-boarding Introduction • KidPix • Web-based games • Tux Paint 	<ul style="list-style-type: none"> • Animal Pictures in paint program
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Link • Bookmark / Favorite • Web site 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Animal project

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Grade Level K	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Add text • Insert picture • Change font 	<ul style="list-style-type: none"> • Text • Insert 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Holiday Cards
Multimedia / Graphics	<ul style="list-style-type: none"> • Resize 	<ul style="list-style-type: none"> • Resize • 	<ul style="list-style-type: none"> • Microsoft PowerPoint • Microsoft Publisher 	<ul style="list-style-type: none"> •

APPENDIX B: School District's Computer Curriculum

Grade Level 1	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Mouse operation • Double-clicking • Dragging objects • Copy/Paste • Choosing Printer • Page Set-up: Orientation • Format: Font Color, Size, Style • Save/Save As • Master Toolbars / Icons • Copy / Paste • Choosing Printer 	<ul style="list-style-type: none"> • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Caps Lock • Orientation • Font • Toolbars • Icon 	<ul style="list-style-type: none"> • Elementary Keyboarding Introduction • Kid Pix • Microsoft Office • Web-based games 	<ul style="list-style-type: none"> • Food Pyramid • Animal Project
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Search Engine • Web Address / URL • Link • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Rainforest – Science Project

APPENDIX B: School District's Computer Curriculum

Grade Level 1	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Add text • Insert picture • Change font • Copy/Paste 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) • PowerPoint 	<ul style="list-style-type: none"> • Holiday cards • Animal info page • Halloween PowerPoint
Spreadsheet / Chart / Tables	<ul style="list-style-type: none"> • Input Data • Label Data Fields • Create Chart 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Survey • Excel Maze

APPENDIX B: School District's Computer Curriculum

Grade Level 2	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Mouse operation • Double-clicking • Dragging objects • Page Set-up: Orientation • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Master Toolbars / Icons • Spell check / Thesaurus • Copy / Paste • Windows Management: Switching Windows (Alt + Tab); Keyboard Shortcuts; Max. / Min.; Zoom • Choosing Printer 	<ul style="list-style-type: none"> • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Elementary Keyboarding Introduction • Mavis Beacon • Kid Pix • Microsoft Office • Web-based games • Smartboard Software 	<ul style="list-style-type: none"> • Book Writing Project • Book Covers
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Weather • Landforms • Animals

APPENDIX B: School District's Computer Curriculum

Grade Level 2	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Format Picture/Textbox: Color; Crop; Borders/ Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • Add text • Insert picture • Change font • Copy/Paste 	<ul style="list-style-type: none"> • Header/Footer • Text File • Format • Crop • Anchors • Word Processing • Template 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Holiday Cards • Calendar • Menu
Spreadsheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/ or Table, Multiple Sheets • Page Setup: Orientation • Format Workbook: Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Survey • Population Chart

APPENDIX B: School District's Computer Curriculum

Grade Level 3	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Keyboarding • Page Set-up: Orientation • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Save As "JPEG" • Master Toolbars / Icons • Spell check / Thesaurus • Copy / Paste • Choosing Printer 	<ul style="list-style-type: none"> • Control + Alt + Delete • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Mavis Beacon • Kid Pix • Microsoft Office • Web-based games • Smartboard Software 	<ul style="list-style-type: none"> • Space • PowerPoint • Kite Poetry • Animal Drawing • Multiplication Chart
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Solar System • Zoo/Animals

APPENDIX B: School District's Computer Curriculum

Grade Level 3	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Insert: Page; Page Numbers; Picture; Textbox; Text File; Captions; • Format Picture/Textbox: Color; Crop; Borders/Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • “Works Cited” Page 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Holiday Cards • Current Events
Spreadsheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/or Table, Multiple Sheets • Page Setup: Orientation; Margins; Gridlines • Format Workbook: Column/Cell Height/Width; Borders/Shading; Header/Footer; Alignment; Auto-fit • Create/Insert Functions • Copy/Paste Functions • Merge/Split Cells • Data: Sort; List; Show/Hide Columns • Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart • Function • Gridline • Alignment • Merge/Split • Ascending / Descending • X, Y Axis • Database • Field 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Weather Charts

APPENDIX B: School District's Computer Curriculum

Grade Level 4	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Keyboarding • Page Set-up: Orientation; Margins • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Save As "JPEG" • Master Toolbars / Icons • Spell check / Thesaurus • Arrange / Order / Group/Ungroup • Copy / Paste • Windows Management: Switching Windows (Alt + Tab); Keyboard Shortcuts; Max. / Min.; Zoom • Choosing Printer 	<ul style="list-style-type: none"> • Control + Alt + Delete • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Mavis Beacon • Adobe Photoshop • Microsoft Office 	<ul style="list-style-type: none"> • PowerPoint Project • Calendar
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • L.I. History

APPENDIX B: School District's Computer Curriculum

Grade Level 4	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Insert: Page; Page Numbers; Picture; Text-box; Text File; Captions; Header/Footer; Personal Information • Format Picture/Textbox: Color; Crop; Borders/Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • “Works Cited” Page • Create Logo • Create PDF • Create Paneled 2-Sided Document 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Holiday Cards • Newsletter
Spread- sheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/or Table, Multiple Sheets • Page Setup: Orientation; Margins; Gridlines • Format Workbook: Column/Cell Height/Width; Borders/Shading; Header/Footer; Alignment; Auto-fit • Create/Insert Functions • Copy/Paste Functions • Merge/Split Cells • Data: Sort; List; Show/Hide Columns • Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart • Function • Gridline • Alignment • Merge/Split • Ascending / Descending • X, Y Axis • Database • Field 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Weather Graphs • Surveys

APPENDIX B: School District's Computer Curriculum

Grade Level 5	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Keyboarding • Page Set-up: Orientation; Margins; Auto-Fit • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Save As "JPEG" • Master Toolbars / Icons • Spell check / Thesaurus • Arrange / Order / Group/Ungroup • Copy / Paste • Windows Management: Switching Windows (Alt + Tab); Keyboard Shortcuts; Max. / Min.; Zoom • Choosing Printer 	<ul style="list-style-type: none"> • Control + Alt + Delete • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Mavis Beacon • Adobe Photoshop • Microsoft Office 	<ul style="list-style-type: none"> • Composer Project • Canada Project • State Project
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Composer Project • Canada Project • State Project

APPENDIX B: School District's Computer Curriculum

Grade Level 5	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Insert: Page; Page Numbers; Picture; Text-box; Text File; Captions; Header/Footer; Personal Information • Format Picture/Textbox: Color; Crop; Borders/Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • “Works Cited” Page • Create Logo • Create PDF • Create Paneled 2-Sided Document 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Canada Book • State Brochure • Newsletter
Spread- sheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/or Table, Multiple Sheets • Page Setup: Orientation; Margins; Gridlines • Format Workbook: Column/Cell Height/Width; Borders/Shading; Header/Footer; Alignment; Auto-fit • Create/Insert Functions • Copy/Paste Functions • Merge/Split Cells • Data: Sort; List; Show/Hide Columns • Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart • Function • Gridline • Alignment • Merge/Split • Ascending / Descending • X, Y Axis • Database • Field 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Survey • Probability Chart • Mets Demographics

APPENDIX B: School District's Computer Curriculum

Grade Level 6	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Keyboarding • Page Set-up: Orientation; Margins; Auto-Fit • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Save As "JPEG" • Master Toolbars / Icons • Spell check / Thesaurus • Arrange / Order / Group/Ungroup • Copy / Paste • Windows Management: Switching Windows (Alt + Tab); Keyboard Shortcuts; Max. / Min.; Zoom • Choosing Printer 	<ul style="list-style-type: none"> • Control + Alt + Delete • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Mavis Beacon • Adobe Photo-shop • Microsoft Office 	<ul style="list-style-type: none"> • PowerPoint Research
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Egypt Project • Ancient Rome • Treasure Hunt

APPENDIX B: School District's Computer Curriculum

Grade Level 6	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Insert: Page; Page Numbers; Picture; Text-box; Text File; Captions; Header/Footer; Personal Information • Format Picture/Textbox: Color; Crop; Borders/Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • “Works Cited” Page • Create Logo • Create PDF • Create Paneled 2-Sided Document 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Spanish Menu • Current Events-Newsletter
Spread- sheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/or Table, Multiple Sheets • Page Setup: Orientation; Margins; Gridlines • Format Workbook: Column/Cell Height/Width; Borders/Shading; Header/Footer; Alignment; Auto-fit • Create/Insert Functions • Copy/Paste Functions • Merge/Split Cells • Data: Sort; List; Show/Hide Columns • Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart • Function • Gridline • Alignment • Merge/Split • Ascending / Descending • X, Y Axis • Database • Field 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Haul Seine Charts and Spreadsheets

APPENDIX B: School District's Computer Curriculum

Grade Level 7	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Keyboarding • Page Set-up: Orientation; Margins; Auto-Fit • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Save As "JPEG" • Master Toolbars / Icons • Spell check / Thesaurus • Arrange / Order / Group/Ungroup • Copy / Paste • Windows Management: Switching Windows (Alt + Tab); Keyboard Shortcuts; Max. / Min.; Zoom • Choosing Printer 	<ul style="list-style-type: none"> • Control + Alt + Delete • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Mavis Beacon • Adobe Photo-shop • Microsoft Office • WestPoint Bridge Builder 	<ul style="list-style-type: none"> • Plot Diagram • Short Story • PowerPoint • Comic Strip
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes • Documenting and Citing Sources 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite • Works Cited 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) • Citation Machine 	<ul style="list-style-type: none"> • Inventions • Historical Essay

APPENDIX B: School District's Computer Curriculum

Grade Level 7	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Insert: Page; Page Numbers; Picture; Text-box; Text File; Captions; Header/Footer; Personal Information • Format Picture/Textbox: Color; Crop; Borders/Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • “Works Cited” Page • Create Logo • Create PDF • Create Paneled 2-Sided Document 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Business Cards • Brochures
Spreadsheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/or Table, Multiple Sheets • Page Setup: Orientation; Margins; Gridlines • Format Workbook: Column/Cell Height/Width; Borders/Shading; Header/Footer; Alignment; Auto-fit • Create/Insert Functions • Copy/Paste Functions • Merge/Split Cells • Data: Sort; List; Show/Hide Columns • Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart • Function • Gridline • Alignment • Merge/Split • Ascending / Descending • X, Y Axis • Database • Field 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Survey • Population Chart • Social Studies Demographics.

APPENDIX B: School District's Computer Curriculum

Grade Level 8	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Basic Computer Skills	<ul style="list-style-type: none"> • Keyboarding • Page Set-up: Orientation; Margins; Auto-Fit • Format: Font Color, Size, Style • Save/Save As • File Management; File Name; File Location • Save As "JPEG" • Master Toolbars / Icons • Spell check / Thesaurus • Arrange / Order / Group/Ungroup • Copy / Paste • Windows Management: Switching Windows (Alt + Tab); Keyboard Shortcuts; Max. / Min.; Zoom • Choosing Printer 	<ul style="list-style-type: none"> • Control + Alt + Delete • Login • User Name • Password • Home Row • Space Bar • Enter Key • Delete • Backspace • Arrow Keys • Tab • Shift • Caps Lock • Orientation • Font • JPEG • Toolbars • Icon • Alignment 	<ul style="list-style-type: none"> • Mavis Beacon • WestPoint Bridge Builder • Adobe Photo-shop • Microsoft Office 	<ul style="list-style-type: none"> • Technical Drawings • Comic Strip • Student Back in History
Internet / Research	<ul style="list-style-type: none"> • Rules of Usage: Acceptable Usage Policy (AUP) • E-Board • I - Notes 	<ul style="list-style-type: none"> • Home Page • Authoritative Source • Search Engine • Web Address / URL • ISP address • Link • Virus • Bookmark / Favorite 	<ul style="list-style-type: none"> • Internet Explorer • Virtual Reference Collection (VRC) 	<ul style="list-style-type: none"> • Holocaust • Speech Project

APPENDIX B: School District's Computer Curriculum

Grade Level 8	Skill	Vocabulary	Suggested Application(s)	Suggested Project(s)
Desktop Publishing	<ul style="list-style-type: none"> • Insert: Page; Page Numbers; Picture; Text-box; Text File; Captions; Header/Footer; Personal Information • Format Picture/Textbox: Color; Crop; Borders/Shading; Text Wrapping; Set Transparent Color; Auto-Flow; • “Works Cited” Page • Create Logo • Create PDF • Create Paneled 2-Sided Document 	<ul style="list-style-type: none"> • Header/Footer • Text File • Auto-Flow • Format • Crop • Anchors • Word Processing • Template • Web Crawler 	<ul style="list-style-type: none"> • Microsoft Word • Microsoft Publisher • Citation Machine (Website) 	<ul style="list-style-type: none"> • Brochures • Spanish Menu • Business Cards •
Spread- sheet / Chart / Tables	<ul style="list-style-type: none"> • Create Workbook and/or Table, Multiple Sheets • Page Setup: Orientation; Margins; Gridlines • Format Workbook: Column/Cell Height/Width; Borders/Shading; Header/Footer; Alignment; Auto-fit • Create/Insert Functions • Copy/Paste Functions • Merge/Split Cells • Data: Sort; List; Show/Hide Columns • Create Chart: Pie, Line, Bar 	<ul style="list-style-type: none"> • Workbook • Table • Cell • Column • Row • Chart • Function • Gridline • Alignment • Merge/Split • Ascending / Descending • X, Y Axis • Database • Field 	<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Word • Microsoft Publisher 	<ul style="list-style-type: none"> • Grade 8 - Record data from Science Project, Graph Results • Social Studies Demographics

APPENDIX C: Software Inventory

Software Title	Subject
West Point Bridge Builder	Technology
Photoshop	Misc.
Penny Panda	Math
Clock Faces	Math
Smartboard Notebook	Misc.
Follett Circulation Plus	Library/Media
Follett Catalog Plus	Library/Media
Kid Pix	Misc.
Mavis Beacon 16	Keyboarding
Microsoft Office	Misc.
Google Earth	Social Studies
Graph Club 2.0	Math
Irfan View	Misc.
WYNN Reader	Reading
WYNN Wizard	Reading
Thinking Reader – Bridge to Terabithia	Reading
Thinking Reader – Tuck Everlasting	Reading
Co:Writer	L. Arts
Draft Builder	L. Arts

APPENDIX D: School Library/Professional Library Magazines, Journals, and Books – Selected List

School Library/Professional Library Magazines & Journals – Selected List

CIT Response (Nassau BOCES)
Discovery Education Classroom Resource Guide
EdTech Focus on K-12 (CDW)
Edutopia (GLEF)
i.e. Interactive Educator (SMART Technologies)
the idea book for educators (A&E/History Channel)
Learning & Leading with Technology (ISTE)
Multimedia & Internet @ Schools
T.H.E. Journal
Technology & Learning

School Library/Professional Library Books – Selected Annotated List

004 DRA

Drake, Jim, 1955-. *Computers all around us*. Des Plaines, Ill. : Heinemann Library, c1999. Introduces the many ways in which computers are used in the home, office, stores, factories, and in the fields of medicine, transportation, and banking.

004.67 JEF

Jefferis, David. *Internet : electronic global village*. New York : Crabtree, c2002. Provides information about the Internet, a computer network that facilitates global communication, and discusses the benefits and dangers of using the Internet. Includes a time line of Internet progress, and a glossary.

004.67 WOL

Wolinsky, Art. *The history of the Internet and the World Wide Web*. Berkeley Heights, NJ : Enslow, c1999. Traces the development of the Internet as a resource from its roots in the late 1960s, as well as the growth of the World Wide Web as a part of everyday life.

004.67 WOL

Wolinsky, Art. *Communicating on the Internet*. Berkeley Heights, NJ : Enslow, c1999. Explains the different means of communication available on the Internet, including e-mail, search engines, and chat rooms.

APPENDIX D: School Library/Professional Library Magazines, Journals, and Books – Selected List

005.7 SEL

Selfridge, Benjamin. A kid's guide to creating web pages for home and school. Chicago : Zephyr Press, c2004. A tutorial, designed for children, for using html and javascript to create web pages.

005.7 WOL

Wolinsky, Art. Creating and publishing Web pages on the Internet. Berkeley Heights, NJ : Enslow, c1999. A step-by-step explanation of how to design, create, and maintain Web pages on the Internet. Includes addresses for some Web sites created by students and places on the Internet that offer free Web sites.

025.04 TRU

Trumbauer, Lisa, 1963-. Cool sites. Brookfield, Conn. : Millbrook Press, c2000. Provides descriptions and Web addresses for numerous Internet sites that provide information for homework, including reference sources, museums, and sites for mathematics, history, trivia, and more.

025.04 WOL

Wolinsky, Art. Locating and evaluating information on the Internet. Berkeley Heights, NJ : Enslow, c1999. Provides an overview of the Internet and discusses how to find information on it and evaluate the quality of that information, with an emphasis on the World Wide Web.

371.2 SCH

Schools that learn : a fifth discipline fieldbook for educators, parents, and everyone who cares about education. 1st Currency pbk. ed. New York : Doubleday, 2000. Explains how to develop and maintain schools that are consistently effective; includes real-world examples from teachers and administrators and covers philosophies and practices in the classroom, the school as a whole, and the community.

372.133 DRA

Drake, Jim, 1955-. Computers and schools. Des Plaines, Ill. : Heinemann Library, c1999. A basic introduction to the use of computers in schools, describing word processing, desktop publishing, networks, computer-assisted learning, graphics, computer-produced music, and computer simulations.

APPENDIX D: School Library/Professional Library Magazines, Journals, and Books – Selected List

FIC BER

Berenstain, Stan, 1923-. The Berenstain Bears lost in cyberspace. New York : Random House, c1999. When Brother Bear and his classmates get laptop computers as a school experiment, they become lost in cyberspace, cruising chat rooms, exchanging email, clicking onto web sites, and neglecting their friends and family.

PRF 025.04 BER

Berger, Pam. Internet for active learners : curriculum-based strategies for K.12. Chicago : American Library Association, 1998. A guide designed to help teachers integrate the World Wide Web and the technology of the late twentieth century into the learning curriculum for grades K through 12.

PRF 371.33 PRO

Provenzo, Eugene F. The Internet and the World Wide Web for teachers. 2nd ed. Boston : Allyn & Bacon, c2002.

PRF 372.3 FRE

Fredericks, Anthony D. Science discoveries on the net : an integrated approach. Englewood, CO : Libraries Unlimited, 2000. Provides resources, activities, and teaching suggestions for approximately ninety science units involving the Internet.

PRF 372.83 FRE

Fredericks, Anthony D. Social studies discoveries on the net : an integrated approach. Englewood, CO : Libraries Unlimited, 2000. Provides resources, activities, and teaching suggestions for more than seventy social studies units involving the Internet.

PRF 372.89 EDI

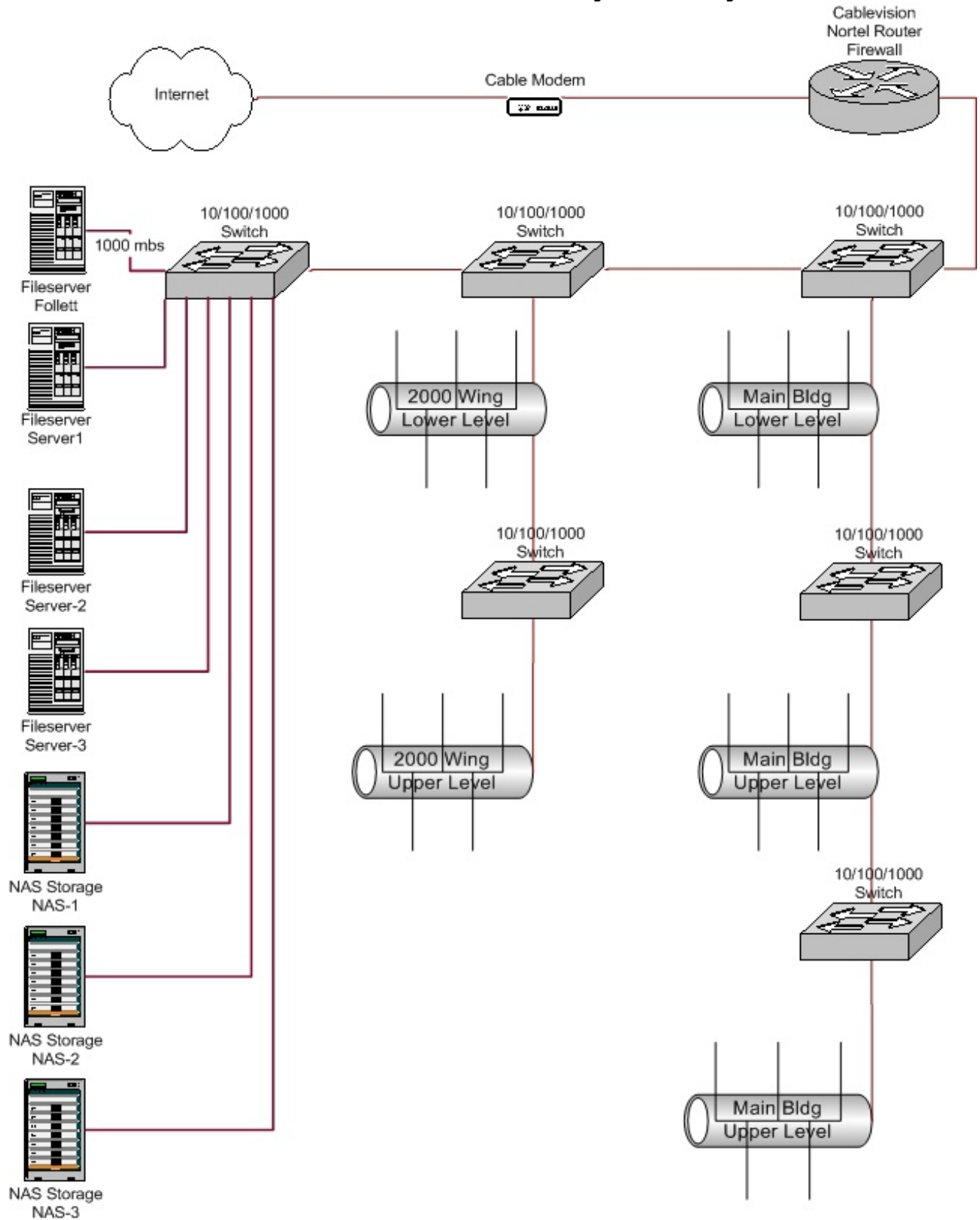
Edinger, Monica, 1952-. Seeking history : teaching with primary sources in grades 4-6. Portsmouth, NH : Heinemann, c2000. Discusses using primary sources in elementary and middle school classrooms to enhance and deepen students' understanding of history. Includes companion CD-ROM which offers links to Web sites as well as reproducible handouts.

APPENDIX D: School Library/Professional Library Magazines, Journals, and Books – Selected List

REF 004 FRE

Freedman, Alan, 1942-. The computer glossary : the complete illustrated dictionary. 8th ed. New York : American Management Association, c1998. Contains over 6,000 entries and 200 photographs in a simple, easy-to-read format for computer users; includes information on the World Wide Web, the Internet, Windows, and DOS. Includes a CD-ROM for Windows.

APPENDIX E: Hardware Inventory as of May 2007



**APPENDIX E: Hardware Inventory as of May 2007
Hardware in Classrooms**

<p>Kindergarten (2 classrooms) 2 PC's 1 Card Reader</p>
<p>First Grade (2 classrooms) 2 PC's 1 77" Smartboard w/ NEC projector</p>
<p>Second Grade (2 classrooms) 2 PC's Multimedia Cart 1 Dell Laptop 1 Sharp Projector</p>
<p>Third Grade (2 classrooms) 2 PC's 1 Linksys Wireless Router</p>
<p>Fourth Grade (2 classrooms) 2 PC's 1 HP Color Inkjet Printer</p>
<p>Fifth Grade (2 classrooms) 2 PC's 1 Linksys Wireless Router</p>
<p>Sixth Grade (3 classrooms) 3 PC's 1 Dell Color Inkjet printers 1 Linksys Wireless Router</p>
<p>Seventh/Eighth Grades (6 classrooms) 6 PC's 1 HP BW Laser Printer 1 Linksys Wireless Router 2 77" Smartboard w/ Mitsubishi projectors</p>
<p>Art (2 classrooms) 1 PC 1 Dell laptop</p>
<p>Music (2 classrooms) 2 Dell Laptops 1 Linksys router</p>
<p>Reading (2 classrooms) 2 PC's</p>
<p>P.E. (2 offices) 1 PC 1 Dell laptop</p>

APPENDIX E: Hardware Inventory as of June 2006 continued
Hardware in rooms other than the PreK-6 Classroom

Upper Computer LAB	
24 PC's	
1 HP Color laser printer	3 Nikon digital cameras
1 HP B/W laser printer	1 Canon video camera
1 HP 130 plotting printer	1 JVC video camera
1 Epson scanner	1 Sony video camera
1 Linksys router	1 Smartboard/Sharp projector
Multimedia Cart	1 card reader
1 Dell Laptop	1 CD/DVD copier
1 Sharp Projector	
Lower Computer Lab	
24 PC's	
1 Smartboard/Sharp projector	1 HP Color laser printer
1 Epson scanner	1 HP B/W laser printer
	1 card reader
	1 Linksys router
School Library Media Center	
3 PC's	
1 HP BW laser printer	
1 HP inkjet printer	
Custodians Office	
1 PC	
Special Education Rooms	
10 PCs	
1 HP color inkjet printers	
1 Dell color inkjet printers	
3 Linksys routers	
Nurse	
1 PC	
1 Dell color inkjet printer	
District Office	
5 PC's	
2 Dell LaserJet printers	
School Psychologist	
1 PC	
1 color inkjet printer	
Administration	
1 laptop	
2 PC's	
1 Dell inkjet printer	
1 HP inkjet printer	
1 HP BW LaserJet printer	

APPENDIX F: 2007-2008 Technology Budget

Technology Categories	2007-2008*
Hardware	\$37,197.44
Software/Licensing/Maintenance	\$3,089
Supplies	\$7,940.90
ISP	\$1548
E-School, Student Information System	\$3,100
Performance Pathways – Internet Based Mapping Program	\$4,000
Student Tracking – BARS	\$1,800
E-Mail - Hostway	\$550
Library Automation/On-Line Data Services	\$4,800
Technical Support	\$76,500
Network Support	\$23,000
Staff Development	\$4,000
Total	\$167,525.34

*We anticipate getting voter approval for these funds.