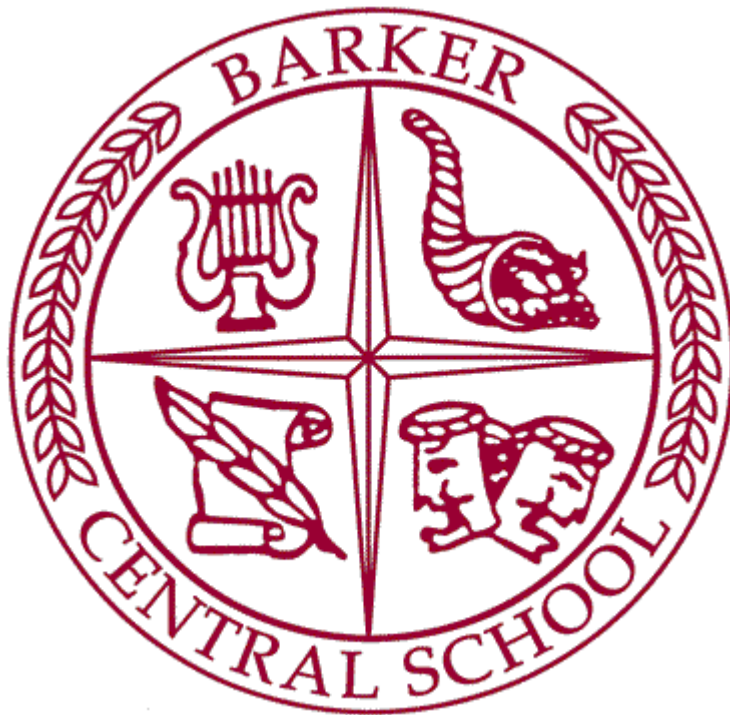


*Barker Central School District
1628 Quaker Road
Barker, New York 14012
Instructional Technology Plan 8th Edition*



*Barker's Vision for the Future
July 2009 - June 2012*

<http://www.barkercsd.net/techplan>

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Introduction

The following pages describe the July 1, 2009 through June 30, 2012 instructional technology plan for the Barker Central School District. The technology committee, composed of volunteers representing the school district and community, developed a three-year technology plan designed to train district personnel in the use of technology, enhance student learning and achievement, create additional avenues for communication with the community and outline the future for district technology. The Barker Central School District is a public school system located in an agricultural area along Lake Ontario in the Village of Barker and the Town of Somerset in the northeastern part of Niagara County. The district serves approximately 1,025 students, pre-k through grade 12 with a certified professional staff of 108. The district is comprised of three schools, Pratt Elementary, Barker Middle and Barker High in buildings that are interconnected on one campus. The parent body is composed of college educated professionals, agricultural, skilled and semi-skilled industrial workers. Barker Central School is accredited by the Board of Regents of the New York State Department of Education.

It is the committee's desire to integrate technology across curricular areas while utilizing the latest technology in all aspects of the teaching/learning arena. It is the committee's expectation that the implementation of this plan will continue to lead our students toward becoming increasingly competitive, productive, responsible and informed members of society.

The plan is comprised of six (6) components: 1) Vision & Goals; 2) Curriculum; 3) Professional Development; 4) Infrastructure, Hardware, Technical Support and Software; 5) Funding and Budget; and 6) Monitoring and Evaluation.

Appreciation is expressed to the Board of Education for its support of technology at Barker Central School, teachers, staff, students, community members and the Instructional Technology Committee for their continued dedication to the task.

Mr. Randall Atwater Board of Education	Mr. Roger J. Klatt Superintendent of Schools
Mr. Fred Bennes Board of Education	Mrs. Sharon Lamb Barker High School Business Teacher
Mr. James Cantella Barker Middle School Math Teacher	Mrs. Janet Licht Barker High School Librarian
Mr. Ronald Clemens Board of Education	Mr. James Luckman Technology Coordinator
Mrs. Barbara Converso Barker Middle School Principal	Mr. Louis Mead Board of Education
Ms. Debra Dearborn Public Relations Coordinator	Mrs. Karin Menz High School Math Teacher
Mr. James Fisher Board of Education	Mr. John Moskalik Director of Instructional Services
Mr. Robert Gilsinan Barker High School Social Studies Teacher	Mrs. Wendy Pellow Middle School Special Education Teacher
Mrs. Ruth Hastings Pratt Elementary Teacher/Librarian	Mr. Robert Roth Barker Middle School Science Teacher
Mr. John Hoar Barker High School Principal	Mrs. Deborah Sinnott Pratt Elementary Principal
Mr. Scott Hoot School Business Administrator	Mr. William Smith Board of Education
Mr. Gordon Kenyon Board of Education	Mrs. Gail Upton Special Education Director

BARKER CENTRAL SCHOOL DISTRICT VISION

Barker Central School is a place where every person is secure, respected, and appreciated. The resources of the school district will be used to inspire each student's confidence as a learner and develop all to their full potential.

TECHNOLOGY MISSION STATEMENT

The technology mission of Barker Central Schools is to incorporate technology into every aspect of the educational process, which will enhance life-long learning by:

- Supporting the complete integration of technology into the teaching/learning environment
- Establishing creativity and competence that will promote self esteem
- Creating avenues for career opportunities and exploration
- Encouraging and expanding communications on a local and global basis
- Ensuring accessibility and commitment to deal with current and future needs
- Providing for comprehensive faculty/staff training in technology applications
- Meeting and expanding local, state and federal initiatives, instructionally and administratively
- Continuing to develop and expand our leadership role in the innovative use of technology in education

TECHNOLOGY VISION STATEMENT

Barker Central School's vision is to prepare students to live in a technologically sophisticated society. The ability to use computers and other smart technologies is an essential skill – one that our school system will help students acquire. In so doing, Barker Central School will produce life-long learners who will be able to access information, manipulate data, synthesize concepts and creatively express ideas to others using video, text, audio and other multimedia.

Technology can virtually bring the world to the student, providing a depth and richness of instructional approaches to reach pupils of all learning modalities. It will permit learners to collaborate, exchange information and share ideas locally, nationally and globally.

It is essential that we prepare and enable our learners to develop their individual potential and to acquire the knowledge, skills and attitudes needed to contribute to a healthy society and a prosperous and sustainable economy.

DISTRICT TECHNOLOGY GOALS

- Every classroom teacher will show evidence of projects integrating technology aligned with NYS Learning Standards and National Educational Technology Standards.
- Instructional staff will meet the grade level technology expectations as outlined in the district instructional technology plan.
- Promote staff, parent and community member awareness of emerging technologies, appropriate use of technology and Internet safety.
- Establish a communication system to facilitate the exchange of information between the school and community and provide a means for staff to access district electronic resources from locations outside of district facilities.
- Investigate alternative assistive technologies to accommodate various learning modalities, increase student achievement, and provide suitable access for all students
- Convert existing district-wide analog technology systems to digital solutions to enhance communication, collaboration, and management of district resources.
- Provide technology integration in-service sessions to staff during planning times, before/after school hours which will facilitate effective integration of technology into curriculum.
- Develop and maintain enhanced internal control systems for procedures, securities and archives.

THE STATE OF THE DISTRICT

Networked File Servers/Wire Closets

The Barker Central School District has 12 file servers that operate on Ethernet based architecture. A centralized file server room is located in the high school that connects 8 wire closets throughout the district via 62.5/125 multimode fiber. Wiring closets are located in the third and fourth grade elementary wing, elementary library, first grade elementary, middle school room 318, high school faculty room, server room and high school math and science wing. The current configuration includes Novell Netware 6.x and Microsoft Windows Server.

Broadband WAN

The computer network includes access via Erie 1 BOCES/Time Warner to Gigabit Broadband Wide Area Network services for data and the Internet.

Desktop Computers

The Barker Central School District computers function with Microsoft Windows operating systems. Classroom computer workstations run a desktop shell, ZenWorks and Active Directory policies to facilitate desktop management, application deployment and network security. *Student and staff workstations have various software titles from Edmark, Riverdeep, Scholastic, Adobe, Certipoint MOUS Certification, Microsoft, Sunburst, Tom Snyder, Broderbund, The Learning Company and Knowledge Adventure.*

Administration

The central offices utilize Windows XP computers to access online services from the Erie 1 BOCES mainframe. This service provides for the functions of payroll, staff attendance, accounts payable and revenue reporting, personnel management as well as providing electronic communication throughout the state.

The WinSnap Cafeteria Management System employs three register PCs located in the elementary and MS/HS cafeterias connected to a file server in the cafeteria manager's office.

Student management programs, SASI and Integrate Pro, are used to maintain attendance records, generate report cards, manage grade books, produce transcripts, create mailing labels to distribute information to parents and generate the master schedule. IEP Direct is used to develop Individual Education Plans and generate reports for students. AIS Web tracking is used to manage the district's AIS students and generate reports for parents. The Data Warehouse service is used to analyze district data.

Barker Central School District employees and students have access to Lotus Notes electronic mail on all computers for communication purposes. Internet access, filtered through Erie 1 BOCES, is available on all machines in the district.

Multimedia Management System

The district has installed the Dukane SmartSystem VK to handle video distribution. All classrooms are equipped with 32” televisions with connectivity to a classroom computer, six predetermined cable channels, a satellite channel, a remote camera channel, an announcements channel, a school information channel, and individually scheduled video, laser disc, DVD, and CDI channels.

A full functioning television studio is located adjacent to the multimedia center. The studio is supplied with lights, two announcer stations and an S-VHS camera. An intercom system allows the students to communicate between the studio and the multimedia center.

Students utilize the video studio, Target Vision software and the multimedia center to design, program and deliver live announcements each morning. Through the use of an editing suite that includes two S-VHS VCRs, an editing controller, a digital A-V mixer, an audio mixer and the SmartSystem, students broadcast their corresponding morning shows to the elementary, middle, and high schools.

Also connected to the editing suite is a computer with a video capture card. This card allows the students to capture video and audio from tape to the PC. They can then create videos through Adobe Premiere and other related software.

Multimedia presentation facilities including computer/network access, projection devices, sound systems and interactive classroom equipment are available in the board room, the high school auditorium, elementary library, high school computer lab, middle school computer lab, elementary school computer lab, high school science classrooms and other classrooms throughout the district.

Computer Labs/Media Centers

The district has twelve (12) multimedia computer labs available for whole class instruction, independent student work, staff development, community education and after-school programs.

Mobile Laptop Cart

A mobile laptop cart containing twenty-four (24) laptops with full access to file/print and Internet services is available for use throughout the district.

The Technology Office maintains laptops for distribution to staff and students for use.

Classrooms

All classroom teachers are equipped with a multimedia computer, scan converter, printer and a 32-inch Zenith/RCA monitor. In addition, all Pratt Elementary classrooms are equipped with five (5) student computers, all Middle School classrooms are equipped with at least four (4) student computers, and most High School classrooms are equipped with at least four (4) student computers. Grades Pre-K through 5 are equipped with one color printer per grade level. A teacher workstation is provided to each staff member and is accessible for student use.

Offices

All administrative, guidance and office staff are equipped with a computer and access to a networked and/or dedicated printer/copier.

Auditorium

The Auditorium contains an EIKI projector, multimedia computer, lighting equipment, light board, soundboard, VCR and connectivity to the district computer network.

Peripheral Devices

The Technology Office distributes digital cameras and Intel microscopes to teachers and students for use. Scanners, jump-drives and CD/DVD-Rewritable drives, are located throughout the district in strategic locations in accordance with their use.

Weather Station System

Barker Central School operates an Automated Weather Source AirWatch System, which includes an automated weather station, BugBox and curriculum.

The Parent Connection

Global Connect is a broadcast system providing daily outbound messages to parents when students are absent or the district sends voice notification to students/parents/community. Classroom Connection is a system that provides communication between teachers, parents and students. This system allows teachers to keep parents updated on daily activities, homework assignments, weekly spelling lists, testing dates, field trips, trivia and other special activities.

Tech Support and Maintenance

The Barker Technology Department operates a Helpdesk service to receive and process referrals for technology support and maintenance. Technology Department personnel, with the assistance of the Western New York Regional Information Center, maintain the district's computer network, which includes all servers, computers, peripheral devices, operating systems, electronic mail systems and district software.

Staff Development

Barker Central School District is committed in its support of opportunities for staff development in the area of informational and instructional technology. Staff development is funded through district operating funds and grant funds. The Technology Department offers onsite in-services to all district staff and School-to-Work Partnership contacts.

ACTION PLAN

The following action plan consists of five (5) categories: Curriculum; Professional Development Infrastructure; Infrastructure, Hardware, Technical Support & Software; Funding & Budget and Monitoring & Evaluation. Each category contains various elements including goals, actions needed to achieve goal, staff development, persons responsible, date each action will be completed and indication of success.

I. CURRICULUM

Technology is a tool that can help students achieve the goals set forth in the New York State Learning Standards. When used appropriately in the classroom, technology engages students in active learning and assists teachers as facilitators in a learning environment. Teachers must address different learning modalities and diverse populations in a classroom setting. Technology supports this effort as a learning tool that can deliver content through a variety of methods. In addition, technology can be a vehicle for restructuring the learning environment and methods in which teachers deliver instruction, enhancing student learning and demonstrating the relevance of curriculum across all content areas. The following goals have been established to meet the following elements:

A. Curriculum Integration

- a. Teachers will demonstrate technology integration in their curricula aligned with National Educational Technology Standards, NYS Learning Standards and BCS Technology Expectations .
- b. Teachers will demonstrate technology integration in their curricula aligned with National Educational Technology Standards, NYS Learning Standards and BCS Technology Expectations .
- c. Students practice responsible use of technology systems, information, the Internet and software aligned with NETS for Students Standard #5 Digital Citizenship.
- d. Students will demonstrate knowledge and skills using the National Educational Technology Standards, NYS Learning Standards and BCS Technology Expectations.
- e. Students will become information literate through the use of technology and be provided with opportunities to use technology as an educational, informational and communicative resource in a student-centered learning environment.
- f. Students will become information literate through the use of technology and be provided with opportunities to use technology as an educational, informational and communicative resource in a student-centered learning environment.
- g. Students and staff will use telecommunications to collaborate, publish and interact with peers, experts and other audiences.
- h. Student research skills will be expanded using different forms of electronic resources.
- i. Research skills will be expanded using different forms of electronic resources.
- j. Students will continue to develop proficiency using various educational and information technologies (i.e. software, scanners, digital cameras, video, etc.).

- k. Public-speaking opportunities using multimedia will be offered to students.
- l. All technology integration resources will be considered in all existing and new course offerings.

B. Student Achievement

- a. Software and electronically delivered learning materials aligned with NYS Learning Standards and NYS Assessments will be integrated into curricula and instruction. (Examples include web and/or client based instructional systems including Study Island, Castle Learning, Earobics, Riverdeep Destination Success, Learning Upgrade, Read Naturally, Scholastic FasttMath, Reading A-Z.com, TeachingMadeEasier.com)
- b. A student portfolio will be electronically produced as needed.

C. Technology Delivery

- a. Virtual Field Trips (VFTs) will be used to enhance curriculum. VFTs will be made available as part of the O/N BOCES VFT COSER (list of suggested VFTs are available on O/N BOCES website <http://www.onboces.org/services.cfm?subpage=677>).
- b. Web-based instructional systems will be made available for students/staff to enhance instruction.
- c. Special needs software will be purchased, installed and made available to enhance the learning environment for special needs students as indicated as part of a student's Individualized Education Plan (i.e. Dragon Naturally Speaking on student assigned laptop).

D. Parental Communications & Community Relations

- a. The Instructional Technology Plan will be disseminated to community members.
- b. Classroom web-pages on the district website will be used to effectively communicate with parents and promote parent involvement in school related activities.
- c. Global Connect rapid broadcast system will keep community members, parents & students informed about school events, student absences and emergency information.
- d. A BANNER section on technology will be instituted, communicating Internet access and school policy to parents and community.
- e. Student Management System software, PowerSchool, will provide parent access to student information.
- f. Open lines of communication for community members and district staff.
- g. More opportunities will be provided for community members to utilize district technology.
- h. The BarkerCSD website will be developed and maintained.
- i. The BarkerCSD website will be a resource for improving instructional practices and student learning.
- j. The BarkerCSD website will be a resource for parents and students.

E. Collaboration

- a. Develop a community of educators who utilize technology to collaborate on projects and share information and resources.
- b. Investigate Online courses to enhance instruction for high risk, GED and ESL students.

II. PROFESSIONAL DEVELOPMENT

An essential element in the successful implementation of any program is professional development. Technology is no exception. Technology is changing the daily operations of the educational institution, as well as the expectations for teaching and administrative staff. Professional development programs need to not only focus on skills-based training, but also on the effective use of technology in the educational and administrative setting. For example, administrative personnel need to know how to use technology to complete their work accurately and efficiently, while teaching staff need to know how to effectively integrate technology with curriculum to enhance student achievement. This component of professional development is ongoing, as current technologies continue to change. An awareness of state and national standards addressing technology competencies for teachers, administrators and other relevant educators will be conveyed through professional development workshops.

F. Professional Development

- a. Administer staff development needs assessment tool on an annual basis.
- b. Technology training and awareness of state and national standards addressing technology competencies will be provided to administrators, teachers, and other relevant educators and staff.
- c. Technology in-services will be provided for all staff.
- d. Technology training will be integrated with other staff development activities to enable staff members to effectively use technology throughout the curriculum.
- e. Develop appropriate technology training activities.
- f. Establish and maintain partnerships with academic institutions and businesses to aid in the development of a technologically advanced staff.
- g. Develop and maintain tools to evaluate staff development components.

G. Support Resources

- a. A variety of resources are revised annually and utilized to support the entire technology program:
 - i. District Policies (Internet Safety , Electronic manuals and printed material, Informational School Web Site (Intranet), Instructional/Training Software, Technology Expectations grade PreK-12, Technology Department Procedures, Electronic Information Subscriptions/Help Systems, Instructional Technology Committee, Technology Integration Development Volunteers, Erie 1 BOCES Technical Support and other Resources are utilized to support the entire technology program.

Professional Development Strategy

A significant and integral factor of an overall education process is the ongoing learning of instructional and pupil personnel services staff. Given the complexities of change and specifically, the implementation of the New York State Learning Standards, National Educational Technology Standards and Barker Central School District Educational Technology Grade Level Expectations, professional development becomes a more critical issue than in the past. A working knowledge of the letter and spirit of these standards is essential to

understanding and applying curricular goals and objectives, instructional practices needed to implement goals and objectives and appropriate assessment practices needed to evaluate goals and objectives. The professional development plan is driven by the concept that both instructional and pupil personnel staff will need to continue their efforts to enhance curriculum application and assessment in order for students to meet and exceed the New York State Learning Standards. Finally, it is recognized that a successful professional development process must emphasize context, process and content. It must be a sustained endeavor to provide staff with the tools and critical substance to observe, reflect and modify practice in the spirit of the principles of action research.

Barker Central School District Professional Development Focus Statement

The focus of the Barker Central School District's professional development initiative is to support and enhance our professional community's commitment to address changing school and community needs.

III. INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

Barker Central Schools strives to provide students with the knowledge and skills needed to be contributing members of society. Barker Central Schools is committed to providing staff and students with the equipment, hardware and software necessary to enhance the learning environment and student achievement. In addition, many career opportunities require proficiency in current technology concepts and skills. To ensure that our students are prepared with the knowledge and skills needed to pursue desired career opportunities, Barker Central Schools makes every effort to remain current with technology. The

H. Infrastructure Needs/Technical Specification, and Design

- a. Obsolete computers will be upgraded with multi-media hardware.
- b. Additional hardware will be purchased as needed and according to the district replacement and maintenance cycle.
- c. Additional peripheral devices will be purchased as needed.
- d. An equitable and ergonomically sound environment will be established and maintained.
- e. Secure access to resources and make effective use of services eligible under E-rate discounts and acquire future technologies under E-rate funding.
- f. Appropriate Computer Aided Instruction (CAI) will be provided.
- g. Additional software will be purchased and upgraded as needed.
- h. Management software will be upgraded as needed.
- i. Network software will be upgraded.
- j. Web-based subscriptions will be purchased and upgraded as needed.
- k. Investigate open-source solutions to replace computer desktop software and operating systems.
- l. Establish a district data management team.
- m. Establish records retention procedure.
- n. District internal and external video surveillance system(s) will be upgraded, expanded and enhanced to provide a secure campus environment.
- o. Migration from analog video distribution system to digital solution.
- p. Acquire and expand the integration of interactive classroom units in elementary, middle and high school classrooms.

Interoperability of Equipment

The Barker Central School District operates a Windows based desktop environment. Equipment purchase requests are only finalized when research by technology department staff determine successful interoperability with existing systems and infrastructure. Purchases made through Erie 1 BOCES are approved by the Senior Technical Support Specialist assigned to the district. This process serves as a second check for interoperability with the WAN, BOCES systems and internal LAN. Continuous upgrading of equipment compatible with the district’s computer network is realized from the district hardware budget.

Technology Replacement and Maintenance Cycle

Technology devices will be identified for replacement on a semi-annual basis by the Instructional Technology Committee. As mechanical parts wear out and maintenance costs increase to repair equipment, the determination will be made to replace machines based on their operability effectiveness to meet the goals of the district. Technology devices purchased through Erie 1 BOCES will be wiped of all data and returned to Erie 1 BOCES via WNYRIC staff or designee. Barker Central School District owned equipment will be wiped of all data and submitted for approval for disposition according to district policy. The three-year Instructional Technology Plan strives to identify equipment with the highest probability for replacement. This is subject to change as new software/hardware requirements change and unpredictable equipment failures are experienced.

I. Inventory

Inventory	Computer Labs	Class-rooms	Library or Media Ctr	Admin. Office	Other Location	Planned Future Acquisitions		
						Year 1	Year 2	Year 3
Computers (list by type)								
A. PC Windows XP Pentium III and up	138	439	28	23	26	102	113	153
Number of computers listed above that are Internet ready	138	439	28	23	26	N/A	N/A	N/A
Number of computers listed above equipped for multimedia	138	439	28	23	26	N/A	N/A	N/A
Peripheral Devices								
A. Printers	14	129	7	29	22	31	26	27
B. Scanners	3	5	2	3	1	3	3	3
C. Modems (below 28.8 Kbps)	0	0	0	0	0	0	0	0

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D. Modems (28.8 Kbps or above)	0	0	0	1	0	0	0	0
E. Assistive/Adaptive Devices	0	0	0	0	0	0	0	0
F. Digital Cameras	0	45	2	1	0	3	3	3
G. TV Monitors	6	116	2	8	4	0	0	0
H. DVD/VHS/LaserDisc	0	10	2	1	46	12	12	12
I. Projection Devices	4	12	2	1	1	12	12	12
J. Satellite Dishes	0	0	0	0	0	0	0	0
K. Video Cameras	0	0	0	0	14	2	2	2
Software (list by type)								
A. Educational/Instructional	372 Software Titles/Versions					Renewals per Funding Strategy		
B. Application	54 Software Titles					Renewals per Funding Strategy		
C. Network/Management	27 Software Titles					Renewals per Funding Strategy		
Network Equipment								
A. Hubs	0	0	0	0	48	1	1	1
B. Routers	0	0	0	0	8	12	12	12
C. Servers	0	0	0	0	12	1	2	2
Number of rooms wired for internal connections	100%	100%	100%	100%	100%	N/A	N/A	N/A
Telecommunication Links								
A. Full or fractional T1	District is one building – on Broadband					Annual Renewal via Erie 1 BOCES		
B. ISDN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C. Dedicated cable/microwave	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Manufacturer	Software Title	Version
ADAPTIV	PEOPLE SCHEDULER	WINDOWS
ADOBE	ACROBAT	9.0
ADOBE	ADOBE CREATIVE SUITE 3 PRODUCTION PREMIUM	CS3
ADOBE	AFTER EFFECTS EDUCATIONAL VERSION & UPGRADE	5.5
ADOBE	CREATIVE SUITE PRODUCTION STUDIO PREMIUM	CSP
ADOBE	DESIGN PREMIUM CC3	3.0
ADOBE	MACROMEDIA STUDIO 8	8
ADOBE	PAGEMAKER PLUS	7.0
ADOBE	PAGEMAKER PLUS POSSIBILITIES	N/A
ADOBE	PHOTOSHOP CS	CS
ADOBE	PREMIERE	6.0
ADOBE	ACROBAT PRO 9.0 WIN AOO LICENSE UE	9.0
ADOBE	PREMIERE PRO CS3	CS3
ADOBE WEB COLLECTION	GO LIVE	5.0
ADOBE WEB COLLECTION	ILLUSTRATOR	9.0
ADOBE WEB COLLECTION	LIVE MOTION	1.0.2
ADOBE WEB COLLECTION	PHOTOSHOP	6.0
ADVANTAGE	AR TITLE FINDER	1.0.4
ADVANTAGE PRESS	DISCIPLINE LEARNING PACKETS HS EDITION	N/A
AGS SOFTWARE	BASC-2	1.0
AGS SOFTWARE	DIAL-3 ASSIST 3RD EDITION	WINDOWS
AGS SOFTWARE	WOODCOCK READING MASTERY TESTS REVISED	WINDOWS
AINSWORTH	KEYBOARD TRAINER	4.0
AINSWORTH	KEYPAD TRAINER	4.2
MICROSOFT	ZOO TYCOON 2	2.0
ACTIVISION	SEAWORLD ADVENTURE PARKS TYCOON 2	2.0
ATARI	ROLLER COASTER TYCOON	3.0
ATTAINMENT	DOLLARS AND SENSE	2.9
AUTODESK	DESIGN ACADEMY 2009	2009
AUTODESK	MECHANICAL DESKTOP	6.0
BAND IN A BOX	SEQUENCERS	12.0
BAND IN A BOX	SEQUENCERS	2006
BAUDEVILLE	ID MAKER	VOL 9
BEST ACCESS SYSTEMS	IPS	1.01
BEST ACCESS SYSTEMS	KEYSTONE 600N	3.53B
BIO LAB	ANATOMY & PHYSIOLOGY OF THE FETAL PIG	2.5M
BIO LAB	FROG	N/A
BREAKTHROUGH TO LITERACY	BREAKTHROUGH TO LITERACY	N/A
BRODERBUND	CALENDAR CREATOR	8.0
BRODERBUND	DR. SEUSS GREEN EGGS AND HAM	WINDOWS
BRODERBUND	DR. SEUSS KINDERGARTEN	WINDOWS
BRODERBUND	DR. SEUSS PRESCHOOL	WINDOWS
BRODERBUND	DR. SEUSS'S ABC'S	WINDOWS
BRODERBUND	MATH WORKSHOP DELUXE	BNS
BRODERBUND	PC GLOBE	5.0
BRODERBUND	PRINTSHIP DELUXE	15
BRODERBUND	THE LOGICAL JOURNEY OF THE ZOOMBINIS	BNS
BRODERBUND	WHERE IN THE WORLD IS CARMEN SANDIEGO	BNS

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C&S COMPANIES	QUECENTRE	1.7
CAKEWALK	SEQUENCERS	3.0
CAMBRIDGE EDUCATIONAL	FACTS ON VITAMINS	N/A
CAMBRIDGE RESEARCH GROUP	RESUME EXPRESS	N/A
CENTRIS	AISMDIRECT	Web
CENTRIS	IEPDIRECT	Web
CODA/NI TECH UPDATES	MUSIC WRITER	WINDOWS
COGNOS	DATAWAREHOUSE	Web
COOLWARE	LOCATER INVENTORY PROGRAM	N/A
COREL	NIKOLA'S TRAIN	N/A
CW PUBLICATIONS	DECISIONS CAREER SIMULATION	N/A
CW PUBLICATIONS	DOLLARS & SENSE FOOD	2001
CW PUBLICATIONS	THAT'S LIFE IN PRAIRIEVILLE	N/A
CYBER SNACKS	MATH AT WORK	1.1
CYBERED	CHEM SERIES COMPLETE 16 TITLE CDROM	3.0
CYBERLINK	POWER DVD 5	N/A
DAMEWARE	MINI REMOTE CONTROL	6.8.0.0
DAMEWARE	NT UTILITIES	6.8.0.0
DAVIDSON	KIDWORKS DELUXE	N/A
DAVISON	KID PHONICS	N/A
DAY	SUCCESSORIES CERTIFICATE SOFTWARE	3
DESIGN SCIENCE	MATH TYPE	5.2
DINE	DINE HEALTHY	N/A
DINE	PYRAMID CHALLENGE	2
DISNEY	WINNIE THE POOH AND THE HONEY TREE	WINDOWS
DISNEY INTERACTIVE	DISNEY PRINT STUDIO	WINDOWS
DRAGON SYSTEMS	DRAGON NATURALLY SPEAKING	3.0
DRAGON SYSTEMS	DRAGON NATURALLY SPEAKING	5
DRAGON SYSTEMS	NATURALLY SPEAKING 9 PREFERRED	9.5
DRAGON SYSTEMS	NATURALLY SPEAKING 9 PREFERRED	9.5
EAROBICS	EAROBICS ADOLESCENTS AND ADULTS	N/A
EAROBICS	EAROBICS PRO PLUS STEP 1	N/A
EAROBICS	EAROBICS PRO PLUS STEP 2	N/A
EASY CD DISK COPY	EASY CD & DVD CREATOR	6.0
EASY CD DISK COPY	EASY CD CREATER	5.0
ECOPY	ECOPY DESKTOP	9.0
ECS - ELECTRONIC COURSEWARE	SPELL & DEFINE	N/A
EDMARK	BAILEY'S BOOK HOUSE	TNV
EDMARK	IMAGINATION EXPRESS DESTINATION RAINFOREST	TNV
EDMARK	MIGHTY MATH ASTRO ALGEBRA	TNV
EDMARK	MIGHTY MATH CALCULATING CREW	TNV
EDMARK	MIGHTY MATH CARNIVAL COUNTDOWN	TNV
EDMARK	MIGHTY MATH COSMIC GEOMETRY	TNV
EDMARK	MIGHTY MATH NUMBER HEROS	TNV
EDMARK	MIGHTY MATH ZOO MILLIONS	TNV
EDMARK	MILLIE'S MATH HOUSE	TNV
EDMARK	RAINFOREST	TNV
EDMARK	SAMMY'S SCIENCE HOUSE	TNV
EDMARK	STANLEY'S STICKER STORIES	TNV
EDMARK	THINKIN' SCIENCE	TNV

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EDMARK	THINKIN' SCIENCE ZAP	TNV
EDMARK	THINKIN' THINGS 1	TNV
EDMARK	THINKIN' THINGS 2	TNV
EDMARK	THINKIN' THINGS 3	TNV
EDMARK	TRAVEL THE WORLD TIMMY	TNV
EDMARK	TRUDY'S TIME AND PLACE HOUSE	TNV
EDUCATION ASSOCIATES	EFFECTIVE WEIGHT CONTROL	WINDOWS
EDUCATIONAL FONTWARE	HB FONTS	N/A
ENCARTA	REFERENCE SUITE 2001	2001
ENCORE	MUSIC WRITER	4.5.4
EXAMGEN	EXAMGEN	N/A
EXEMPLARS	MATH EXEMPLARS	N/A
FACES	FACES	4.0 EDU
FACTS ON FILE	UNDERSTANDING ALCOHOL AND DRUGS	N/A
FARONICS	DEEFPREEZE ENTERPRISE	6.30.220.1931
FITNESS REPORTER PRO	ACCOUNTABILITY BY PE THROUGH TECHNOLOGY	7.0
GLENCOE	FOOD SCIENCE	N/A
GLOBAL CONNECT	GLOBAL CONNECT	Web
GO VENTURE	GO VENTURE	1.2.0
GUIDO	GUIDO MUSIC LEARNING SYSTEM	93-94 DOS
HARBOR TOWN GAMES	MASTER GURU GRADES 3,4 & 5	3.2
HARCOURT BRACE	ELAB EXPLORING MATH CONCEPTS GRADE 3 LAB PACK	1.0
HARCOURT BRACE	ELAB EXPLORING MATH CONCEPTS GRADE 4 LAB PACK	1.2
HARCOURT BRACE	ELAB EXPLORING MATH CONCEPTS GRADE 5 LAB PACK	1.0
HARCOURT BRACE	MATH ADVANTAGE COMPUTER MANAGEMENT SYSTEM	1.0
HARCOURT BRACE	TEST BANK MATH ADVANTAGE	1.0
HAWTHORNE EDUCATIONAL SRVC	EMOTIONAL & BEHAVIOR PROBLEM SCALE	1.2.1
HYTEK	MEET MANAGER FOR SWIMMING	1.2
HYTEK	TEAM MANAGER II	2.1
HYTEK	TEAM MANAGER TRACK AND FIELD	1.2
HY-TEK MEET MANAGER	STATS FOR SWIMMERS	2.1
HY-TEK MEET MANAGER	SWIM MEET SOFTWARE	1.4.1
IBM	ABC'S AND 123'S	1.0
IBM	BUILD A MATH BUG	1.0
IBM	PICTURE ATLAS OF THE WORLD	N/A
IBM	VIA VOICE 98	N/A
IDEABASE INCORPORATED	SOUND THERAPY PROFESSIONAL	WINDOWS
INDUSTRIAL APPRAISAL COMPANY	VISUAL FACS	4.2.8
INNER HEARING	INNER HEARING	92-93 WIN
INSPIRATION SOFTWARE	INSPIRATION	6.0
INSPIRATION SOFTWARE	KIDSPIRATION	2.0
INTELLECTUAL SOFTWARE	ADV PLACEMENT BIO TEST PREP PACKAGE	NA
INTELLITOOL	FLEXICOMP	2.0
INTELLITOOL	SPIROCOMP	2.0
INTERWRITE	PRS SOFTWARE	4.41
INTERWRITE	WORKSPACE	7.03
INTUIT	QUICKBOOKS ACADEMIC	Pro 2008
INTUIT	QUICKENBOOKS 1999	1999
INTUIT	QUICKENBOOKS 2007	2007
KEYBOARDING BY ABILITY	LEFT HANDED EDITION	N/A

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KNOWLEDGE ADVANTURE	JUMPSTART PHONICS	N/A
KNOWLEDGE ADVENTURE	JUMPSTART 1ST GRADE	N/A
KNOWLEDGE ADVENTURE	JUMPSTART ADVANCED 2ND GRADE	N/A
KNOWLEDGE ADVENTURE	JUMPSTART KINDERGARTEN	1.0
KNOWLEDGE ADVENTURE	JUMPSTART PRESCHOOL	N/A
LEARNING COMPANY	GRADE BUILDING ALGEBRA	1.0
LEARNING COMPANY	INTERACTIVE READING JOURNEY	ATS
LEARNING COMPANY	KIDPIX STUDIO DELUXE	N/A
LEARNING COMPANY	OREGON TRAIL 5TH EDITION	5EEV
LEARNING COMPANY	READER RABBIT 1ST GRADE	N/A
LEARNING COMPANY	READER RABBIT 2ND GRADE	N/A
LEARNING COMPANY	READER RABBIT PRESCHOOL	1.0
LEARNING COMPANY	READER RABBIT TODDLER	1.0
LEARNING COMPANY	WORD MUNCHERS	1.0
LEARNING SEED	WINNING THE GROCERY GAME	N/A
LEARNING ZONE EXPRESS	PLANNING MEALS	N/A
LERNOUT & HAUSPIE SPEECH	KURZWEIL 3000i READ	5.0
LERNOUT & HAUSPIE SPEECH	KURZWEIL 3000i SCAN & READ	5.
LINGUISYSTEMS	PHONOLOGICAL AWARENESS TEST	1.0
LINGUISYSTEMS	PHRONOLOGICAL AWARENESS TEST	1.01
LIVING SUN	DRESS SHOP	2.5
LOTUS	NOTES/DOMINO	8.0
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: LITTLE EXCITEMENT FROM EVRYBDY	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: ANIMAL FACTS AND FABLES	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: CREATION OF CA TRIBE	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: DIVE TO THE CORAL REEF	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: DO NOT DISTURB	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: JUSTIN AND THE BEST BISCUITS	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: KLONDIKE FEVER	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: MUFARO'S BEAUTIFUL DAUGHTERS	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: SCIENCE MAGIC	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: THE BEST BAD THING	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: THE GOLD COIN	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: THE PATCHWORK QUILT	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: THE ROOSTER UNDERSTOOD JAPAN	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: THE STREETS ARE ON FREE	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: TORNADO ALERT	N/A
MACMILLAN/MCGRAW HILL	MULTIMEDIA LIT: WHALES	N/A
MANDARIN	M3	N/A
MAVIS BEACON	TEACHES TYPING FOR KIDS	95
MCDUGAL LITTELL	EN ESPANOL: TEST GENERATOR	WINDOWS
MCDUGAL LITTELL	INTRIGAS Y AVENTURAS	N/A
McGRAW HILL	GLENCOE ACCOUNTING ELC	NA
McGRAW HILL	MICROTEST III BIOLOGY	6
McGRAW HILL	TRONIC PHONICS NETWORK EDITION	N/A
MECC	TESSELMANIA	1.0
MEDICAID DIRECT	MEDICAID DIRECT	N/A
MENTOR OM	RELIGIONS OF THE WORLD	WINDOWS
MERIDIAN	YOUR IDEAL SILHOUETTE	1997
MICROSOFT	MICROSOFT OFFICE PROFESSIONAL PLUS 2007	11.06

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MICROSOFT	OFFICE 2000 PREMIUM	2000
MICROSOFT	OFFICE 2000 PROFESSIONAL	2000
MICROSOFT	OFFICE 97	97
MICROSOFT	OFFICE XP PRO	N/A
MICROSOFT	PHOTODRAW 2000	2
MICROSOFT	PUBLISHER	97
MICROSOFT	PUBLISHER	98
MIDSCAN	RECOGNIZING MUSIC	3.0
MINDSCAPE	ADAM THE INSIDE STORY	2
MOBILE CONTENT FILTERING	MOBILE CONTENT FILTERING SOFTWARE	N/A
MULTIHEALTH SYSTEMS	MULTIHEALTH SYSTEMS CLINICAL WEB-BASED SYS	2009
MUSIC ACE	LEARNING FUNDAMENTALS OF MUSIC	95-96 DOS
MUSIC ACE	MUSIC ACE FOR WINDOWS 1	WINDOWS
MUSIC ACE	MUSIC ACE FOR WINDOWS 2	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 1995	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 1998	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2000	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2001	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2002	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2003	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2004	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2005	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2006	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 2007	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER FINALE 1997	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER GARRITAN JAZZ & BIG BAND	WINDOWS
MUSIC NATION SOFTWARE	MUSIC WRITER WITH FINALE 2009 GARRITAN INSTR	2009
MUSIC NATION SOFTWARE	MUSIC WRITER GARRITAN PERSONAL ORCHESTRA	WINDOWS
MUSITEK	SMART SCORE	5.3
NATIONAL GEOGRAPHIC	COMPLETE NATIONAL GEOGRAPHIC MAGAZINE ON CD	N/A
NATIONAL GEOGRAPHIC	NATIONAL GEOGRAPHIC MAPS	N/A
NATIONAL INSTITUTE OF HEALTH	EMERGING & REEMERGING INFECTIOUS DISEASES	N/A
NATIONAL INSTITUTE OF HEALTH	HUMAN GENETIC VARIATION	N/A
NCS PEARSON	INTEGRADE PRO	9.4
NCS/Pearson	SAS Ixp	8.0
NERO	NERO 8 ULTRA EDITION	8
NERO DISK COPY	NERO ULTRA EDITION	6.0
NERO	NERO 9	9.0
NET OP REMOTE CONTROL	NET OP REMOTE CONTROL	7.5
NI PLAYER SERIAL NUMBERS	MUSIC WRITER	WINDOWS
NORDIC	NORDIC SOFTWARE	3.0
NUTRIKIDS	NUTRIKIDS MENU PLANNING	8.5.4
NUTRITION COMPANY	PLANET NUTRITION	N/A
OJ SOFTWARE	DIETARY ANALYSIS	WINDOWS
ORGANIZED SPORTS	ORGANIZED SPORTS: TEAM EDITION	2.0
PASCO	DATA STUDIO	N/A
PCI EDUCATIONAL PUBLISHING	DELUXE BANKING	WINDOWS
PEARSON	WAIS-IV SCORING ASST	1.0.1
PEARSON	WAIS-IV SCORING ASST UPGRADE TO REPORT WRITER	1.0
PHILIPS CONSUMER ELECTRONICS	PCVC675K/PCVC680K	1.2

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PPSI	COMPREHENSIVE LIVING ENVIRONMENT	WINDOWS
PRE ENGINEERING SOFTWARE CRP	MODEL SMART	WINDOWS
PREMIER	ONLINE HANDBOOK SUBMISSION TOOL	WINDOWS
PRENTICE HALL	VIRTHAL CHEMLAB	WINDOWS
PRO ED	TOLD-P:3 SCORING & REPORT SYSTEM	WINDOWS
PROGRESS	FINANCE MANAGER	9.1d
PROGRESS	PROGRESS ACTUATE EU DESK	3.2.2.1
PROGRESS	PROGRESS CLIENT NETWORKING	8.3B
PROGRESS	PROGRESS WORKGROUP DATABASE	7.3E15
PSYCHOLOGICAL CORPORATION	CELF CLINICAL ASSISTANT CELF 3RD EDITION	1.0
PSYCHOLOGICAL CORPORATION	CELF CLINICAL ASSISTANT CELF 3RD EDITION	1.1
PSYCHOLOGICAL CORPORATION	CELF SCORING ASSISTANT CELF 4TH EDITION	1.0.2
PSYCHOLOGICAL CORPORATION	CELF SCORING ASSISTANT CELF PRESCHOOL 2	2.0
PSYCHOLOGICAL CORPORATION	DAS SCORING ASSIST DIFFERENTIAL ABILITY SCALES	1.0
PSYCHOLOGICAL CORPORATION	SCORING ASSISTAN WISC-III WIAT-11T	1.0.1
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT UPDATE	1.0.1
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT UPDATE	1.1.2
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT UPGRADE	1.1
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT WISC-III WIAT-11	1.0
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT WISC-III WIAT-11	1.1.2
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT WISC-IV 2003	1.0.2
PSYCHOLOGICAL CORPORATION	SCORING ASSISTANT WISC-IV 2004 UPGRADE	1.0.2
PSYCHOLOGICAL CORPORATION	WRITER WAIS-III WMS-III WIAT-II	1.0
PSYCHOLOGICAL CORPORATION	WRITER WISC-III 3RD EDITION	1.0
PSYCHOLOGICAL CORPORATION	WRITER WISC-III WIAT-II	1.1.0
QUICKSTART FRENCH	QUICKSTART FRENCH	XP COMP
READ NATURALLY	READ NATURALLY	SE2
REWRITE	REWRITE	N/A
RIVERDEEP	CORNERSTONE LANGUAGE ARTS	ATS
RIVERDEEP	CORNERSTONE LANGUAGE ARTS - LEVEL A	ATS
RIVERDEEP	CORNERSTONE MATH - LEVEL A & B	NETWORK
RIVERDEEP	CORNERSTONE MATH A&B - OLDER SOFTWARE	N/A
RIVERDEEP	CORNERSTONE READING VOCABULARY	ATS
RIVERDEEP	CORNERSTONE READING VOCABULARY - LEVEL A	ATS
RIVERDEEP	DESTINATION READING COURSE 1	N/A
RIVERDEEP	SKILLSBANK	N/A
RIVERSIDE PUBLISHING CO	WJ III COMPUSCORE & PROFILES PROGRAM	1.1
RIVERSIDE PUBLISHING CO	WJ III REPORT WRITER	1.0
ROARING PENGUIN SOFTWARE	CANIT SPAM TRAP	N/A
ROXIO	EASY CD CREATOR PLATINUM	5.0
SANCTUARY WOODS	FRANKLIN'S READING WORLD	N/A
SCANSOFT	OMNI FORM	4.0
SCANSOFT	OMNI FORM FILLER	4.0
SCANSOFT	OMNI PAGE PRO	10
SCANSOFT	OMNI PAGE PRO	11
SCANSOFT	OMNI PAGE PRO	8.0
SCHOLASTIC	READING COUNTS	3.0
SCHOLASTIC	FASTTMATH	1.7
SCHOLASTIC	READING COUNTS EEV	1.7
SCHOOLWIRES	WEBS THAT WORK	WEB

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SIERRA	THE LOST MIND OF DR. BRAIN	WINDOWS
SKILLS BANK	SKILLSBANK	4.0
SMART MUSIC	PRACTICE SOFTWARE FOR INSTRUMENTS	6.0
SMART SCORE	RECOGNIZING SCANNED MUSIC	2.0
SMART SCORE	RECOGNIZING SCANNED MUSIC	5.3
SMART SCORE	RECOGNIZING SCANNED MUSIC	1.3
SNAP DATA	SNAP DATA	N/A
SOFTWARE HOUSE	C CURE 800	8.2.0
SOLID WORKS	SOLID WORKS	2005
SOLID WORKS	SOLID WORKS	2007
SOLID WORKS	SOLID WORKS	2008-2009
SOLID WORKS	SOLID WORKS	1999
SOLID WORKS	SOLID WORKS	98 Plus
SOLID WORKS	STANDALONE	2005-2006
SOLID WORKS	STANDALONE	2006-2007
SOLID WORKS	STANDALONE	2007-2008
SONY	CD ARCHITECT - RECORDING & EDITING SOFTWARE	5.0
SONY	SOUND FORGE	5.0
SONY	SOUND FORGE	6.0
SONY	SOUND FORGE	7.0
SONY	SOUND FORGE	8.0
SONY	SOUND FORGE AUDIO STUDIO SITE LICENSE	9.1
SOUND FORGE	RECORDING & EDITING SOFTWARE	5.0
SOUND FORGE	RECORDING & EDITING SOFTWARE	6.0
SOUND FORGE	RECORDING & EDITING SOFTWARE	7.0
SOUND FORGE	RECORDING & EDITING SOFTWARE	8.0
SOUTH-WESTERN EDU PUBLISHING	ARTIC EXPRESS	1.0
SUNBURST	10TH PLANET: COMBINE & BREAK APART NUMBERS	1.0N
SUNBURST	10TH PLANET: CONSONANTS AND BLENDS	1.0
SUNBURST	10TH PLANET: EQUIVALENT FRACTIONS	1.0N
SUNBURST	10TH PLANET: FRACTION OPERATIONS	1.0N
SUNBURST	10TH PLANET: GROUPING AND PLACE VALUE	1.0
SUNBURST	10TH PLANET: GROUPING AND PLACE VALUE	1.0
SUNBURST	10TH PLANET: LETTER SOUNDS	1.0
SUNBURST	10TH PLANET: REPRESENTATING FRACTION	1.0N
SUNBURST	10TH PLANET: SHAPES WITHIN SHAPES	1.0
SUNBURST	A TO ZAP	1.0
SUNBURST	CONCERT TOUR ENTREPRENEUR	1.0
SUNBURST	EARTH EXPLORER	1996
SUNBURST	EQUATION TILE TEASERS	N/A
SUNBURST	EVERYTHING WEATHER	N/A
SUNBURST	FRACTION ATTRACTION	1.1
SUNBURST	HOT DOG STAND	1.2S
SUNBURST	KEY SKILLS - BASIC WORD CONCEPTS	1.0N
SUNBURST	KEY SKILLS - LETTERS & WORDS	1.0N
SUNBURST	KEY SKILLS - SHAPES, NUMBERS & MEASUREMENT	1.0N
SUNBURST	LEARN ABOUT ABC & LETTER SOUNDS	1.0N
SUNBURST	LEARN ABOUT COLORS & SHAPES	1.0N
SUNBURST	LEARN ABOUT NUMBERS & COUNTING	1.0N
SUNBURST	MAPS & NAVIGATION	1.0

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SUNBURST	MATH ARENA	1.0H
SUNBURST	MATH ARENA ADVANCED	1.0N
SUNBURST	MATH ESSENTIALS: MULTIPLICATION & DIVISION	1.1
SUNBURST	MATH ESSENTIALS: ADDITION & SUBTRACTION	1.0
SUNBURST	SHAPE UP!	1.01
SUNBURST	SPLISH SPLASH MATH	1.0N
SUNBURST	TEN TRICKY TILES	1.0
SUNBURST	THE FACTORY DELUXE	N/A
SUNBURST	THE LETTERBUGS - GET READY TO READ	N/A
SUNBURST	TYPE TO LEARN	1.26
SUNBURST	TYPE TO LEARN JR	1.1N
SUNSET	BEST HOME PLANS	N/A
SUNSET	HOME DESIGN ENCYCLOPEDIA	N/A
SURVIVA LINK	RESCUE LINK	8.1
SYMANTEC	GHOST COROPORATE EDITION	7.5
SYMANTEC	GHOST SOLUTION SUITE 2.5	2.5
SYMANTEC	PCANYWHERE	12.1
SYMANTEC	SYMANTEC GHOST SOLUTION SUITE	1.1
SYRACUSE LANGUAGE SYSTEMS	FRENCH YOUR WAY	2.0
TARTAN PRODUCTS	SCANWARE-C	6.0
TEST GEN	QUIZ MASTER/TEST GEN EQ	3.3
TOM SNYDER	COMMUNITY CONSTRUCTION KIT	1.2
TOM SNYDER	DECISIONS DECISIONS: THE CONSTITUTION	5.0
TOM SNYDER	ESSENTIAL CROSSWORD	1.1
TOM SNYDER	ESSENTIAL MATH WORKSHEETS	1.2
TOM SNYDER	ESSENTIAL PUZZLES	2.2
TOM SNYDER	ESSENTIAL TEACHER TOOLS	1.2
TOM SNYDER	ESSENTIAL WORD WORKSHEETS	1.2
TOM SNYDER	ESSENTIAL WORKSHEETS	2.1
TOM SNYDER	GRAPH CLUB	1.3
TOM SNYDER	MAPMAKERS TOOLKIT	1.0
TOM SNYDER	NEIGHBORHOOD MAP MACHINE	1.3
TOM SNYDER	RAINFOREST DESIGNER	N/A
TOM SNYDER	SCIENCE COURT EXPLORATIONS: FRICTION	N/A
TOM SNYDER	SCIENCE COURT EXPLORATIONS: MAGNETS	N/A
TOM SNYDER	SCIENCE COURT: ELECTRIC CURRENT	N/A
TOM SNYDER	SCIENCE COURT: WATER CYCLE	N/A
TOM SNYDER	SCIENCE COURTS EXPLORATIONS: FLIGHT	N/A
TOM SNYDER	SCIENCE COURTS EXPLORATIONS: HEAT ABSORPTION	N/A
TOM SNYDER	SCIENCE COURTS EXPLORATIONS: PENDULUMS	N/A
TOM SNYDER	SCIENCE COURTS EXPLORATIONS: ROCKETS	N/A
TOM SNYDER	TIMELINER	4.0
TOM SNYDER PRODUCTIONS	FIZZ & MARTINA: BLUE FALLS ELEMENTARY	N/A
TOM SNYDER PRODUCTIONS	FIZZ & MARTINA: CAVE OF THE BLUE FALLS	N/A
TOM SNYDER PRODUCTIONS	HOLLYWOOD	N/A
TRACK & FIELD MEET MANAGER	TRACK & FIELD MEET SOFTWARE	1.2
VERNIER	LOGGER PRO 3	12.2007
WINSNAP	WINSNAP	N/A
WORLD VIEW	AMERICAN HISTORY	WINDOWS
WORLD VIEW	WORLD HISTORY	WINDOWS

J. Increase Access

The Barker Central School District is a community-based learning center. Technology provides new ways of communicating ideas and information. Barker Central Schools is dedicated to exploring new methods of communication via our website, voicemail system and e-mail. These methods will allow community members, parents and students to access live data regarding district events, student achievement, school activities, scheduling and course information, college and financial information and will provide a means for communicating with teachers, administrators and staff. The Barker Central School District will take steps to ensure that all students and teachers have increased access to technology by expanding community education classes for young children through adult level learners and offering a more extensive range of professional development opportunities. Our commitment to various BOCES services such as Common Set of Learning Objectives provides our staff with the opportunity to take advantage of progressive staff development courses to enhance the integration of technology into instruction and curriculum. The acquisition of interactive classroom equipment will also provide students with greater access to the exploration of technology tools as a learning mechanism. As the district strives to provide a one-to-one computing model for students with secure wireless and mobile computing devices, greater access will be realized by all students. The acquisition of mobile devices with a specific purpose, such as Dragon Naturally Speaking, to meet IEP goals will provide assistive technology for special-needs students. The district migration from a server-client based student management system to a web-based system with an integrated parent portal will provide parents with greater access to student information and communication with instructional staff.

VI. FUNDING AND BUDGET

K. Budget and Timetable

ITEM	2009-2010	2010-2011	2011-2012
Salaries & Benefits:			
• Technology Staff	\$225,678	\$236,962	\$248,810
Hardware & Networking:			
• Shared Telecom Broadband Erie 1 BOCES	\$8,400	\$8,820	\$9,261
• Gigabit Ethernet Telecom Erie 1 BOCES	\$31,480	\$33,054	\$34,707
• Mandatory Telecom Equipment Maintenance Erie 1 BOCES	\$9,452	\$9,925	\$10,421
• LAN Operations Software & DeepFreeze Ent Erie 1 BOCES	\$8,458	\$8,881	\$9,325
• Computer Equipment	\$87,000	\$91,350	\$95,918
• Equipment A/V	\$19,400	\$20,370	\$21,389
Maintenance & Service Costs:			

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• Hardware Maintenance Erie 1 BOCES	\$7,378	\$7,747	\$8,134
• Materials &Supplies Misc Computer Repairs	\$34,507	\$36,232	\$38,044
• Repairs A/V	\$14,800	\$15,540	\$16,317
• Materials & Supplies A/V	\$5,400	\$5,670	\$5,954
Software & Curriculum Support & License Agreements:			
• Computer Software Client & Web Based Subscriptions	\$20,000	\$21,000	\$22,050
• M3 Library Automation Erie 1 BOCES	\$8,370	\$8,789	\$9,228
• Student Information Management System PowerSchool Erie 1 BOCES	\$18,319	\$19,235	\$20,197
• Cafeteria Management WinSnap Erie 1 BOCES	\$3,574	\$3,753	\$3,940
• Test Scoring Services Erie 1 BOCES	\$5,436	\$5,708	\$5,993
• RTIM Direct Intervention Services Web Solution Erie 1 BOCES	\$2,670	\$2,804	\$2,944
• IEP Direct Special Education Web Solution Erie 1 BOCES	\$7,869	\$8,262	\$8,676
• Email Lotus Notes/SPAM Filtering Erie 1 BOCES	\$7,760	\$8,148	\$8,555
• Webs That Work District Web Site Erie 1 BOCES	\$4,500	\$4,725	\$4,961
• Finance Manager Erie 1 BOCES	\$29,212	\$30,673	\$32,206
• TSM Network Backup Service Erie 1 BOCES	\$12,140	\$7,900	\$7,900
• 8e6 Content Filtering Desktop & Mobile Erie 1 BOCES	\$4,033	\$4,235	\$4,446
• Internet Access Erie 1 BOCES	\$2,014	\$2,115	\$2,220
• Global Connect	\$2,564	\$2,692	\$2,827

Erie 1 BOCES			
• PDP Premier Erie 1 BOCES	\$2,100	\$2,205	\$2,315
• SIRS Reference Series Erie 1 BOCES	\$3,925	\$4,121	\$4,327
• DataWarehouse & Data Mentor Erie 1 BOCES	\$6,999	\$7,349	\$7,716
Professional Development:			
• Professional Development	\$24,900	\$26,145	\$27,452
• Common Set of Learning Objectives Erie 1 BOCES	\$9,451	\$9,924	\$10,420
• Conferences	\$3,000	\$3,150	\$3,308
Technical Support:			
• Erie 1 BOCES Base LAN Tech Support	\$5,460	\$5,733	\$6,020
• Erie 1 BOCES LAN Tech Support Shared (.2 FTE)	\$17,800	\$18,690	\$19,625
TOTAL	\$654,049	\$681,904	\$715,605

L. Coordination of Resources

Technology related funding is coordinated through the Barker Central School District Business Office in conjunction with the Technology Department and other Administrative Offices. The Barker Central School District researches cost-effective ways to implement technology related systems to meet the goals established by the Board of Education. The district has formulated a comprehensive plan to incorporate federal title programs, grants and state aidable funds. The coordination of various funding strategies affords the district with opportunities to provide appropriate services to meet the needs of our students, staff and community. The projected cost of implementing this plan will be realized from the Barker Central School annual technology budget of \$654,049.

V. MONITORING AND EVALUATION

M. Evaluation

The Barker Central School District Technology Committee monitors and evaluates implementation of the district’s instructional technology plan on a quarterly basis. In addition, an annual review will coincide with departmental curriculum review with teachers and district administrators. The technology committee and district cabinet members receive summative reports from district technology staff regarding progress toward goals and actions detailed in the instructional technology plan. Data from surveys, evaluation forms, data mentor, data warehouse and other analytical software is used to determine whether a goal is successfully achieved and to evaluate the effectiveness of each goal.

District Administrators, Technology Coordinator and Instructional Technology Committee are responsible for the collection of data to determine the effectiveness of the Instructional

Technology Plan. At minimum, a bi-annual evaluation of the plan and targeted actions will assist in the identification of unmet goals. These unmet goals will be reviewed by the Instructional Technology Committee, district administrators and key personnel and a plan will be formulated to devise methods to address or modify the goals as needed. The frequency of evaluations will range from a weekly to annual event dependent on the specific goal or action. Specific frequencies and persons responsible for evaluations have been identified in the detailed goal charts portion of this document and the evaluation processes outlined below. A bi-annual review of the plan will be conducted by the Instructional Technology Committee.

The evaluation process includes but is not limited to:
(ITC – Instructional Technology Committee)

- Collecting feedback from administration, teachers, students, staff and community members via formal and informal communications.
 - Frequency: Weekly
 - Persons Responsible: Technology Department Personnel, ITC
- Tracking the utilization of district technology through computer lab schedules, video distribution system records, number of users on network, teacher lesson plans, and management software.
 - Frequency: Weekly/Monthly
 - Persons Responsible: Technology Department Personnel, ITC
- Reviewing attendance records and attendee evaluation forms for district technology in-service classes to evaluate professional development goals.
 - Frequency: Monthly
 - Persons Responsible: Director of Instructional Services
- Electronic portfolios will be used to track student achievement and evaluate curriculum/instructional goals.
 - Frequency: Bi-Annual
 - Persons Responsible: District Administrators, ITC
- Analyzing NYS assessment data to evaluate curriculum, instructional goals and the impact of the technology plan implementation on student performance.
 - Frequency: Weekly
 - Persons Responsible: District Administrators, ITC
- Gathering feedback from parents, students and community residents through web-based surveys and email.
 - Frequency: Bi-annual
 - Persons Responsible: Technology Department Personnel, ITC, District Administrators
- Accountability for implementation will be assessed by reviewing each goal of the plan and receipt of reports for identified responsible person(s) in the plan.
 - Frequency: Bi-Annual
 - Persons Responsible: ITC

- Levels of technological proficiency gained by students, teachers, staff and administrators will be ascertained through survey results.
 - Frequency: Annual
 - Persons Responsible: Technology Department Personnel, ITC
- Instructional observations made by district administrators will include a technology integration category to assist in evaluating teaching. Student portfolios and projects will serve as a measure to evaluate the impact of technology on learning.
 - Frequency: Annual
 - Persons Responsible: District Administrators
- The effectiveness of disbursement decisions will be analyzed by successful implementation of priorities and allocation of funds to complete planned components according to the established timeline.
 - Frequency: Bi-Annual
 - Persons Responsible: ITC, District Administrators, BOE
- The key indicator of success for each component of the plan will be implementation of identified objectives, meeting established timelines, student achievement and growth of the plan according to changes in available technology and cost effectiveness.
 - Frequency: Bi-Annual
 - Persons Responsible: ITC, Technology Department Personnel, District Administrators, Erie 1 BOCES Support Personnel
- As new technologies evolve and become available, the Instructional Technology Committee will analyze implementation decisions and make recommendations to modify the plan according to the goals established by the district.
 - Frequency: Bi-Annual
 - Persons Responsible: ITC, District Administrators, BOE
- Quarterly review of the plan by the Instructional Technology Committee and monthly reports to the Administrative Cabinet by the Technology Coordinator will serve as the organizational mechanism to allow for changes in the implementation of the technology plan and its components.
 - Frequency: Quarterly
 - Persons Responsible: ITC, Technology Coordinator
- When necessary, adjustments and updates to the instructional technology plan are discussed and carried out by the Instructional Technology Committee and technology staff.
 - Frequency: As needed
 - Persons Responsible: ITC, Technology Department Personnel
- Utilization of grade level Technology Expectations to provide consistency of technology exposure throughout all classrooms.
 - Frequency: Weekly
 - Persons Responsible: Instructional Staff, District Administrators

- Support instruction with new technology tools including podcasting, blogging, electronic presentations, desktop publishing, video production and web tools.
 - Frequency: Bi-weekly
 - Persons Responsible: Instructional Staff, Technology Department Personnel, Erie 1 BOCES Support Personnel

Technology Insights and Ideas through use of Survey

Barker Central School District staff and students have the opportunity to participate in the annual Net Day “Speak Up Day” online survey to share their views on technology use and provide the district with data regarding the present level of technology skills, determine the future direction of technology for the district and to promote enhanced student achievement through the effective use of technology.

Technology Survey Summary Data: 2008 Findings

Teachers value the importance of technology in their professional lives with 98% ranking technology as important or very important to their professional responsibilities. The teachers indicated a trend in terms of the impact that technology has on instruction and learning.

The highest ranked statements on the value of technology within education include: richer lesson plans, more engaged learners, personalized education, greater communications with parents on student performance.

71% of teachers said that technology has had the greatest impact on teaching and instructional support. The second greatest impact is in communications.

Teachers’ #1 use of technology is communication with colleagues followed by word processing tasks (tests, handouts), communications with administrators, record management and doing research for their students.

42% of teachers say that their pre-service training did not adequately prepare them to integrate technology into classroom instruction.

87% of teachers think that in-service training provided by technology department personnel or other mentor-teachers is satisfactory.

78% of teachers say that they always or sometimes incorporate new Internet materials into new or existing lesson plans. Teachers also think that technology use is actually an asset in their mission to meet state accountability standards.

Sampling of Technology Survey Questions:

- What areas of your professional responsibilities as a teacher has technology had the biggest impact?
- What devices do you use in a typical work week?
- What Internet tools do you use in a typical work week?
- What obstacles do you face in using technology and the Internet at school for professional tasks?
- Has the professional development you received adequately prepared you for using technology in instruction?

- How do you include Internet as part of instruction, classroom projects, lesson plans?
- If you were designing a new school, what technology would be most important for new teachers?
- Please share ideas on how technology could better be used/integrated in the classroom.
- Please share ideas on how teachers can become more involved with technology decisions.

N. Acceptable Use Policy

Barker Central School students are required to submit a completed Barker Central School Technology Acceptable Use Agreement to the Barker Central School Technology Department at the beginning of each school year before access to the district computer network is granted. Barker Central School staff are required to acknowledge the Barker Central School Technology Acceptable Use Agreement delivered via email prior to the beginning of each school year to maintain district computer network access. A copy of the district AUP is included below.

Content Filtering

The Barker Central School District acquires Internet content filtering services through Erie 1 BOCES for all desktop machines throughout the district. The district also acquires mobile Internet content filtering services for all laptop computer. The mobile content filtering service for laptops forces filtering services whether the laptop is used internally at the district or external locations. The 8e6 content filtering solution, following the recommended categories for K-12 education, blocks inappropriate web sites. District staff may submit sites (via e-mail) for review to block/unblock; in some cases, if the site is deemed unsafe, the WNYRIC immediately blocks this site to all users.

Barker Central School District Internet Filtering Policy

2001

8322

Instruction

SUBJECT: THE CHILDREN'S INTERNET PROTECTION ACT: INTERNET CONTROL FILTERING/SAFETY

In compliance with The Children's Internet Protection Act (CIPA) and Regulations of the Federal Communications Commission (FCC), the District has adopted and will enforce this Internet safety policy that ensures the use of technology protection measures (i.e., filtering or blocking of access to certain material on the Internet) on all District computers with Internet access. Such technology protection measures apply to Internet access by both adults and minors with regard to visual depictions that are obscene, child pornography, or, with respect to the use of computers by minors, considered harmful to such students. Further, appropriate monitoring of online activities of minors, as determined by the building/program supervisor, will also be enforced to ensure the safety of students when accessing the Internet.

Further, the Board of Education's decision to utilize technology protection measures and other safety procedures for staff and students when accessing the Internet fosters the educational mission of the schools including the selection of appropriate teaching/instructional materials and activities to enhance the schools' programs; and to help ensure the safety of personnel and students while online.

However, no filtering technology can guarantee that staff and students will be prevented from accessing all inappropriate locations. Proper safety procedures, as deemed appropriate by the applicable administrator/program supervisor, will be provided to ensure compliance with the CIPA.

In addition to the use of technology protection measures, the monitoring of online activities and access by minors to inappropriate matter on the Internet and World Wide Web *may* include, but shall not be limited to, the following guidelines:

- a) Ensuring the presence of a teacher and/or other appropriate District personnel when students are accessing the Internet including, but not limited to, the supervision of minors when using electronic mail, chat rooms, and other forms of direct electronic communications. As determined by the appropriate building administrator, the use of e-mail and chat rooms may be blocked as deemed necessary to ensure the safety of such students;
- b) Monitoring logs of access in order to keep track of the web sites visited by students as a measure to restrict access to materials harmful to minors.
- c) The dissemination of the district's Acceptable Use Policy and accompanying Regulations to parents and students in order to provide notice of the school's requirements, expectations, and student's obligations when accessing the Internet. Parental and/or student consent, as may be applicable, shall be required prior to authorization for student use of District computers. In compliance with this Internet safety policy as well as the district's Acceptable Use Policy, unauthorized access (including so-called "hacking") and other unlawful activities by minors are prohibited by the District and student violations of such policies may result in disciplinary action.
- d) Appropriate supervision and notification to minors regarding the prohibition as to unauthorized disclosure, use and dissemination of personal information regarding such students.

The determination of what is "inappropriate" for minors shall be made by the District and/or designated school official(s). It is acknowledged that the determination of such "inappropriate" material may vary depending upon the circumstances of the situation and the age of the students involved in online research.

The terms "minor," "child pornography," "harmful to minors," "obscene," "technology protection measure," "sexual act," and "sexual contact" will be as defined in accordance with CIPA and other applicable laws/regulations as may be appropriate and implemented pursuant to the District's educational mission.

Under certain specified circumstances, the blocking or filtering technology measure(s) may be disabled for adults engaged in bona fide research or other lawful purposes. The power to disable can only be exercised by an administrator, supervisor, or other person authorized by the School District.

The School District shall provide certification, pursuant to the requirements of CIPA, to document the District's adoption and enforcement of its Internet safety policy, including the operation and enforcement of technology protection measures (i.e., blocking/filtering of access to certain material on the Internet) for all School District computers with Internet access.

The District has provided reasonable public notice and has held at least one public hearing or meeting to address the proposed Internet Content Filtering/Safety Policy prior to Board adoption. Furthermore, appropriate actions will be taken to ensure the ready availability to the public of the District's Internet Content Filtering/Safety Policy, as well as any other district policies relating to the use of technology.

47 United States Code (U.S.C.)
Section 254(h) and (1)
47 Code of Federal Regulations (C.F.R.)
Part 54

Barker Central School District Technology Acceptable Use Agreement

Barker Central School District is pleased to offer district students access to the district computer network and the Internet. Use of our network will provide district students access to numerous software programs and the Internet for educational purposes.

Mission Statement

The mission of Barker Central School is to improve learning and teaching through interpersonal communication, student access to information, research, teacher training, collaboration and dissemination of successful educational practices, methods and materials.

Usage Guidelines

Network account holders are responsible for appropriate behavior when using the district computer network. It is expected that all network account holders will comply with district standards and regulations as described in the Barker Central School Student Handbook. Each network account holder is held responsible for his/her actions and activity within his/her account. Some examples of unacceptable use are:

- Using the network for any illegal activity, including plagiarism or violation of copyright laws;
- Damaging or disrupting network equipment, software or system performance;
- Altering the configuration of any computer or network device;
- Gaining unauthorized access to network resources or entities;
- Transferring or installing any hardware/software program;
- Using the network in an unsupervised setting;
- Using another person's network account;
- Playing Internet games or other computer games without specific permission from a teacher or staff member;
- Using, accessing or transmitting profane, offensive, prejudicial or inappropriate material or language;
- Using technology in a way that is inconsistent with existing Barker Central School rules as documented in the Barker Central School Student Handbook.

Netiquette

- Be polite.
- Use appropriate language.
- Do not reveal any personal information about yourself or others.
- Always use common sense and think about the decisions you are making.

Penalties

Infractions of this Technology Agreement will result in punishments consistent with Barker Central School disciplinary procedures. The penalties can include but are not limited to:

- Technology restrictions:
 - 1st Offense: One (1) school month of no computer use except for directed lessons or completion of an assignment with direct physical supervision of the assigning teacher. In addition, in-school suspension will be assigned for one day.
 - 2nd Offense: Six (6) school months of no computer use except for directed lessons or completion of an assignment with direct physical supervision of the assigning teacher. In addition, three (3) days of in-school suspension will be assigned.
 - 3rd Offense: One (1) school year of no computer use except for directed lessons or completion of an assignment with direct physical supervision of the assigning teacher. In addition, off-site suspension (O.S.S.) will be assigned for a minimum of three (3) days and a maximum of five (5) days.
- In-school suspension;
- Suspension from school;
- Parent conference

INFORMATION SERVICE CONTRACT

We are pleased that electronic information services are available to students and staff in our district. The Barker Central School District strongly believes in the educational value of such electronic services and recognizes the potential of such to support curriculum and student learning in our district. Our goal in providing these services is to promote educational excellence by facilitating resource sharing, innovation and communication. Barker Central School District will make every effort to protect students and teachers from any misuse or abuse as a result of their experiences with an information service. All users must be continuously on guard to avoid inappropriate and illegal interaction with the electronic information services.

Please read this document carefully. When signed by you and your parent or guardian, it becomes a legally binding contract. We must have all required signatures before we can provide you with an access account.

Listed below are the provisions of this contract. If any user violates these provisions, access to the electronic information service may be denied and he/she may be subject to disciplinary action.

TERMS AND CONDITIONS OF THIS CONTRACT

1. PERSONAL RESPONSIBILITY

As a representative of this school, students and staff will accept personal responsibility for reporting any misuse of the network to the Technology Coordinator. Misuse of the network includes, but is not limited to, the alteration of a system configuration, disruption or degradation of hardware, software or system performance, or any data file(s) created, sent or

Barker Central School District Instructional Technology Plan 2009-2012

received that indicate or suggest pornography, unethical or illegal solicitation, sexism, inappropriate language and other issues described below. All the rules of conduct described in the district Student and Teacher Handbooks apply when you are on the network.

2. **ACCEPTABLE USE**

The use of an assigned account must be in support of education and research and with the educational goals and objectives of the Barker Central School District (These may be found in the district document entitled "Barker Central School District Technology Plan 5th Edition"). The user is personally responsible for this provision at all times when using the electronic information services.

The inappropriate use of electronic information resources can be a violation of local, state and federal laws and users can be prosecuted for violating those laws. Please be advised of the following guidelines:

- a. Use of other organizations' networks or computing resources must comply with rules appropriate to that network;
- b. Transmission of any material in violation of United States law or other state organization law is prohibited. This includes, but is not limited to: copyrighted material, threatening material, or material protected by trade secret;
- c. Use of commercial activities by for-profit institutions is generally not acceptable;
- d. Use of product advertisement or political lobbying is prohibited;
- e. Use of profane, offensive, prejudicial or inappropriate material or language is prohibited.

3. **TRAINING**

Each person who receives an account will participate in an orientation or training course with a member of the Technology Department as to proper behavior and use of the network. The Barker Central School District Technology Coordinator (operating under the aegis of the school board and the district office) will decide what is appropriate use and their decision is final. The Technology Coordinator may close an account at any time. The administration, staff, or faculty of the Barker Central School District may request that the Technology Coordinator deny, revoke or suspend specific user accounts.

4. **PRIVACY**

Data files and other electronic storage areas will be treated like school lockers. This means that such areas shall be considered to be school district property subject to control and inspection. The Technology Coordinator may access all such files and communications to insure system integrity and that users are complying with the requirements of this agreement and accompanying regulations. Students should NOT expect that information stored on the Barker Central School District computer system will be private.

5. **SERVICES**

The Barker Central School District makes no warranties of any kind, whether expressed or implied, for the service it is providing. Barker Central School District will not be responsible for any damages suffered while using this system. These damages include loss of data as a result of delays, non-deliveries, mis-deliveries, or service interruptions caused by the system or your errors or omissions. Use of any information obtained via the electronic information system is at your own risk. Barker Central School District specifically disclaims any responsibility for the accuracy of information obtained through its services.

6. **SECURITY**

Security on any computer system is a high priority because there are so many users. If you identify a security problem, notify the Technology Coordinator at once. Never demonstrate the problem to other users. All use of the system must be under your own account. Any user identified as a security risk will be denied access to the information system.

7. **VANDALISM**

Vandalism is defined as any malicious attempt to harm or destroy the data of another user or any other agencies or networks that are connected to the system. This includes, but is not limited to, the uploading or creation of computer viruses or any physical damage to equipment. Any vandalism will result in the loss of computer services, disciplinary action and legal referral.

8. **INTERNET CONTENT FILTERING/SAFETY POLICY**

The Barker Central School District has implemented an Internet filtering system on all networked computers through Erie 1 BOCES that strives to block access to objectionable Internet sites. Barker Central School feels that the benefits to students from access to the Internet exceed possible disadvantages. Students may obtain access to the Internet through the electronic information systems with the approval of a parent/guardian. Utilization of the Internet must be in support of, and consistent with, the educational goals and objectives of the Barker Central School District. When using the Internet, all users must adhere to the requirements of this agreement and accompanying regulations and existing Barker Central School rules as documented in the Barker Central School Student Handbook.

In compliance with the Children's Internet Protection Act (CIPA) and Regulations of the Federal Communications Commission (FCC), the Barker Central School District has adopted and will enforce this Internet Safety Policy that ensures the use of technology protection measures on all District computers with Internet access. Such technology protection measures apply to Internet access by both adults and minors with regard to obscene visual depictions, child pornography, or, with respect to the use of computers by minors, considered harmful to such students. Further appropriate monitoring of online activities of minors, as determined by the building/program supervisor, will also be enforced to ensure the safety of students when accessing the Internet. Please be advised of the following guidelines:

Barker Central School District Instructional Technology Plan 2009-2012

1. Students are not allowed to engage in an online activity unless under the direct supervision of a Barker Central School employee.
2. The use of any email account not assigned to you by Barker Central Schools is prohibited. The use of Barker Central School email will be strictly monitored. Use of the email system must be under the direct supervision of a Barker Central School approved email sponsor.
3. Use of chat rooms and/or other forms of direct electronic communications is prohibited unless directed and supervised by a Barker Central School District teacher or administrator.
4. Students should not attempt unauthorized access or other unlawful activities while online.
5. Students should not post or send personal contact information about self or other people on the Internet. Personal contact information includes but is not limited to home address, home telephone number(s), work address, etc.
6. Students should not download, upload or install program files.
7. Additional Internet plug-ins should not be installed by students. Students should notify a teacher if additional configuration is needed.
8. Students should not transmit profane, offensive, prejudicial or inappropriate material or language.
9. Students are not allowed to play games or listen to music through the Internet unless directed and supervised by a Barker Central School District teacher or administrator.
10. Students should check copyright permissions before downloading any data, such as images, from the Internet.

9. DATA, DISKS, CDS, DVDS AND OTHER STORAGE DEVICES

1. Students should save all data to their assigned home directory (Drive H:) unless directed by a teacher to do otherwise.
2. Student home directories should be cleaned and virus scanned on a regular basis.
3. Students may not store software programs in home directories.
4. Floppy disks may be purchased from the school store.
5. Floppy disks brought from outside the school must be virus scanned before used on district equipment. Use the Scan Drive A icon to complete this task.
6. Floppy disks and CDs taken home should be virus scanned before used on a home computer.
7. Music CDs are not to be used in school computers unless they are being used for a specific school project.

10. COMPUTER LAB RULES

Computer labs are available for student use during the school day. Students who wish to use a computer lab need to obtain a pass from a teacher. Teachers will call the lab to see if computers are available before sending students. Students are expected to treat all computer lab equipment with respect and report any faulty equipment to supervising staff.

Lab Rules:

1. No food or drink in computer labs.
2. Computer labs are to be used for assigned educational projects only.
3. Students will display appropriate identification while using computers in a lab (i.e. agenda book or I.D. card).
4. Students will occupy only one computer at a time.
5. Students will be respectful of other students and all computer lab equipment. Students will leave the equipment in the same condition in which they found it and report any problems to supervising staff.
6. Students will use discretion when printing.
7. Students will not use speakers without the permission of supervising staff. Headphones are available upon request from supervising staff.
8. Students will logout using the logout icon or shut down properly at the end of the day.

MULTIMEDIA CENTER ACTIVITIES

The Multimedia Center AV/Video equipment is available for student use through participation in morning announcements, video club, computer club or a teacher-sponsored project. Students must be trained by Technology Department staff before operating any of the equipment. Students are expected to treat Multimedia Center equipment with care and notify a teacher if any equipment is damaged or faulty. Students will exhibit appropriate behavior when participating in morning announcements. All morning announcements are videotaped.

Barker Central School Consent and Waiver

By signing the Consent and Waiver form, the student and his/her parent(s) or guardian(s) agree to abide by the Technology Agreement rules and code of ethics for Barker Central School electronic information system users. The student and his/her parents should discuss and understand the rights and responsibilities described by these rules and codes.

Because students will have access to Internet, which allows students to contact computer systems around the world and share information, learn concepts, do research projects and communicate with others, they will have a new and powerful tool that adds a new dimension to their educational experience. Unfortunately, some of the sites on Internet may contain material that is illegal, defamatory, inaccurate or offensive to some people. We wish to assure you that Barker Central School does not condone or permit the use of such material in the school environment and will make every reasonable effort to insure that unauthorized exploration of Internet does not occur.

In consideration for using the Barker Central Schools computer system and in consideration for having access to information contained on it or accessible through it, we hereby release the Barker Central School District's Board of Education, administration, staff and BOCES from any and all claims of any nature arising from the use, misuse, or inability to use the Barker Central Schools computer system or the Internet. We further understand that failure to comply with these rules and codes may result in loss of computing/Internet rights and may result in criminal charges being filed.

I understand and will abide by the provisions and conditions of this contract. I understand that any violations of the above provisions may result in disciplinary action, the revoking of my user account and appropriate legal action. I also agree to report any misuse of the information system as described above to the Technology Department system administrator.

I HAVE READ AND UNDERSTAND THE BARKER CENTRAL SCHOOL DISTRICT TECHNOLOGY ACCEPTABLE USE AGREEMENT. I UNDERSTAND THAT THIS AGREEMENT WILL REMAIN IN EFFECT WHILE I AM ENROLLED AT THE BARKER CENTRAL SCHOOL DISTRICT UNLESS AN UPDATED AUA SUPERSEDING THIS AGREEMENT HAS BEEN SUBMITTED TO THE BARKER CENTRAL SCHOOL TECHNOLOGY DEPARTMENT.

SIGNATURE OF STUDENT				DATE	
STUDENT NUMBER				GRADE LEVEL FOR 2009-2010	

As the parent or guardian of this student, I have read this contract and understand that it is designed for educational purposes. I understand that it is impossible for the Barker Central School District to restrict access to all controversial materials and I will not hold the Barker Central School District responsible for materials acquired on the network. I also agree to report any misuse of the information system as described above to the Technology Department system administrator.

I hereby give my permission to issue an account for my child and certify that the information contained on this form is correct. The signature of a parent or guardian who has read this contract is required.

I HAVE READ AND UNDERSTAND THE BARKER CENTRAL SCHOOL TECHNOLOGY ACCEPTABLE USE AGREEMENT.

I hereby give permission for _____
(Please print full student name)

TO HAVE ACCESS TO THE COMPUTING SYSTEMS AND INTERNET WHILE ENROLLED AT THE BARKER CENTRAL SCHOOL DISTRICT.

PARENT/GUARDIAN SIGNATURE		DATE
PLEASE PRINT PARENT/GUARDIAN NAME		

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: A. Curriculum Integration

GOAL: 1. Teachers will demonstrate technology integration in their curricula aligned with National Educational Technology Standards, NYS Learning Standards and BCS Technology Expectations .

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>1.3 Teachers will work collaboratively with various department and grade level teams to develop and share interdisciplinary approaches to instruction that integrate technology.</p>	<ul style="list-style-type: none"> ▪ Utilize district and local directory shares, software, and email ▪ Work collaboratively with other department and grade level teams to review new software ▪ Collaborate with content area personnel on staff development activities 	<ul style="list-style-type: none"> ▪ Technology Department ▪ Instructional Staff ▪ Technology Coordinator ▪ Director of Instructional Services ▪ Turnkey Trainers 	<p>Annually</p>	<ul style="list-style-type: none"> ▪ Feedback/survey from administration, teachers, students and technology staff

CATEGORY:

CURRICULUM & INSTRUCTION

ELEMENT:

A. Curriculum Integration

GOAL:

2. Students practice responsible use of technology systems, information, the Internet and software aligned with NETS for Students Standard #5 Digital Citizenship.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>2.1 The district will utilize i-Safe lesson plans and resources with all students in grades K-12.</p>	<ul style="list-style-type: none"> ▪ Utilize the i-Safe website to order/download instructional resources 	<ul style="list-style-type: none"> ▪ Technology Department ▪ Instructional Staff ▪ Technology Coordinator ▪ Director of Instructional Services ▪ Turnkey Trainers 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Evidence of use in student work
<p>2.2 i-Safe training will be acquired through Erie 1 BOCES CSLO model school days for key district personnel.</p>	<ul style="list-style-type: none"> ▪ Complete training for delivery of i-Safe curriculum 	<ul style="list-style-type: none"> ▪ Technology Coordinator ▪ Erie 1 BOCES CSLO Team i-Safe trainer 	<p>Fall 2009 Ongoing</p>	<ul style="list-style-type: none"> ▪ Internet Content Filtering Reports

CATEGORY:

CURRICULUM & INSTRUCTION

ELEMENT:

A. Curriculum Integration

GOAL:

3. Students will demonstrate knowledge and skills using the National Educational Technology Standards, NYS Learning Standards and BCS Technology Expectations.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>3.1 Curriculum and instruction will be designed with NETS, NYS Learning Standards and BCS Technology Expectations as guide.</p>	<ul style="list-style-type: none"> ▪ Make available NETS Standards and BCS PreK-12 Technology Expectations for students, teachers, staff and administrators as a technology guide. 	<ul style="list-style-type: none"> ▪ Director of Instructional Services ▪ Building Principals ▪ Instructional Staff ▪ Technology Coordinator 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Evaluation of lesson plan design/content ▪ Evidence of use in student work

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: A. Curriculum Integration

GOAL: 4. Students will become information literate through the use of technology and be provided with opportunities to use technology as an educational, informational and communicative resource in a student-centered learning environment.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>4.1 Support the development of a student-centered learning environment.</p>	<ul style="list-style-type: none"> ▪ Provide and support instructional models with teacher as facilitator ▪ Research and develop student-directed activities 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Principals ▪ Director of Instructional Services ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers and students
<p>4.2 Provide technologies that meet the needs of various learning modalities</p>	<ul style="list-style-type: none"> ▪ Research, specify and purchase appropriate technologies 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Director of Instructional Services ▪ Instructional Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Student achievement ▪ Feedback from teachers and students
<p>4.3 Students will use technology to meet inquiry-based learning objectives in New York State Learning Standards.</p>	<ul style="list-style-type: none"> ▪ Research and develop inquiry-based learning activities for students 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Integration Teacher ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ New York State standardized test scores

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: A. Curriculum Integration

GOAL: 4. Students will become information literate through the use of technology and be provided with opportunities to use technology as an educational, informational and communicative resource in a student-centered learning environment.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>4.4 Students will be provided with software for necessary enrichment, acceleration and remediation needs.</p>	<ul style="list-style-type: none"> ▪ Research and purchase appropriate software. ▪ Train staff in use of software. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Administration ▪ Director of Instructional Services 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers and student
<p>4.6 Students will use technology to communicate with teachers, field experts and other students.</p>	<ul style="list-style-type: none"> ▪ Provide forms of electronic communication. ▪ Research and create opportunities for students to communicate with field experts. 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers and students

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: A. Curriculum Integration

GOAL: 5. Students and staff will use telecommunications to collaborate, publish and interact with peers, experts and other audiences.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>5.1 Develop an area on the district web site where students can publish school-related web pages and documents and further enhance school intranet.</p>	<ul style="list-style-type: none"> ▪ Work with Instructional Staff and Technology Staff to develop guidelines for student work on the web site. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff 	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Student and teacher participation and web site utilization.
<p>5.2 Provide updated information regarding web site resources through staff development in-service training.</p>	<ul style="list-style-type: none"> ▪ Schedule training sessions. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from participants
<p>5.3 Provide instructional resources through e-mail communication/web.</p>	<ul style="list-style-type: none"> ▪ Provide daily connection with e-mail provider. 	<ul style="list-style-type: none"> ▪ All Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Compilation of staff responses
<p>5.4 Provide Schoolwires advanced training to include blogging/podcasting</p>	<ul style="list-style-type: none"> ▪ Erie 1 BOCES CSLO training session for Schoolwires 	<ul style="list-style-type: none"> ▪ Erie 1 BOCES CSLO Staff ▪ Technology Coordinator 	<p>Fall 2009 Ongoing</p>	<ul style="list-style-type: none"> ▪ Evidence of use in classroom webpages

CATEGORY:

CURRICULUM & INSTRUCTION

ELEMENT:

A. Curriculum Integration

GOAL:

6. Student research skills will be expanded using different forms of electronic resources.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
6.1 Internet activities will be designed for student use.	<ul style="list-style-type: none"> ▪ Teach students to use search engines, evaluate web sites and use of materials appropriately. 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology ▪ Integration Teacher 	Ongoing	<ul style="list-style-type: none"> ▪ Review of student work/portfolios
6.2 Digital resources will be utilized for classroom projects.	<ul style="list-style-type: none"> ▪ Train staff on available resources, update resources, integrate resources into classroom use 	<ul style="list-style-type: none"> ▪ All Staff ▪ Technology Staff 	Ongoing	<ul style="list-style-type: none"> ▪ Feedback from staff ▪ Use evaluation form ▪ Review student work/portfolios
6.3 Electronic Media Center resources will be utilized.	<ul style="list-style-type: none"> ▪ Train Media Center staff on available resources ▪ Media Center staff will work with teachers on specific projects 	<ul style="list-style-type: none"> ▪ Library Staff ▪ Instructional Staff ▪ Technology Staff 	Ongoing	<ul style="list-style-type: none"> ▪ Feedback from staff ▪ Use of evaluation form ▪ Review student work/portfolios
6.4 E-mail will be utilized for research purposes.	<ul style="list-style-type: none"> ▪ Establish e-mail accounts for classroom use ▪ Provide contacts when possible 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	Ongoing	<ul style="list-style-type: none"> ▪ Responses from outside sources ▪ Evidence of use in work/portfolio

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: A. Curriculum Integration
GOAL: 7. Research skills will be expanded using different forms of electronic resources.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>7.5 Provide opportunities for video-conferencing/virtual fieldtrips.</p>	<ul style="list-style-type: none"> ▪ Train staff ▪ Schedule conferences ▪ Provide equipment 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Annually</p>	<ul style="list-style-type: none"> ▪ Feedback from staff ▪ Staff attendance ▪ Response from outside sources ▪ Number of conferences scheduled ▪ Evidence of increased telecommunication/ ▪ Internet projects

CATEGORY:

CURRICULUM & INSTRUCTION

ELEMENT:

A. Curriculum Integration

GOAL:

8. Students will continue to develop proficiency using various educational and information technologies (i.e. software, scanners, digital cameras, video, etc.).

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>8.1 Each student will meet the Barker educational technology expectations at each grade level (See page 50) and the NETS Standards</p>	<ul style="list-style-type: none"> ▪ Utilize the BCS PreK-12 Technology Expectations and the NETS as a guide ▪ Integrate technology with curricula when appropriate 	<ul style="list-style-type: none"> ▪ Technology Department ▪ Instructional Staff ▪ Technology Coordinator ▪ Director of Instructional Services ▪ Turnkey Trainers 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Evidence of use in student work
<p>8.2 Continue to offer after-school opportunities to utilize technology at each building level</p>	<ul style="list-style-type: none"> ▪ Research and implement appropriate after-school programs ▪ Offer opportunities for after-school lab use by students 	<ul style="list-style-type: none"> ▪ Principals ▪ Instructional Staff ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Use of labs ▪ Feedback from teachers, students and parents
<p>8.3 Continually update content in courses that develop student proficiency in current information technologies</p>	<ul style="list-style-type: none"> ▪ Update software and hardware as needed ▪ Continue staff development in appropriate content and current technologies 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff ▪ Guidance Staff ▪ Director of Instructional Services ▪ Administration 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ A review of course relevance to corporate needs

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: A. Curriculum Integration

GOAL: 9. Public-speaking opportunities using multimedia will be offered to students.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>9.1 Provide opportunities for students to give multi-media presentations to Board of Education, PTSA, outside groups, classrooms.</p>	<ul style="list-style-type: none"> ▪ Provide equipment, software, facilities, and support for student presentations ▪ Offer teachers in-service in the use of multi-media software 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Principals ▪ Administration ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Review of student work/portfolios ▪ Feedback from staff ▪ Feedback from target audiences

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: A. Curriculum Integration

GOAL: 10. All technology integration resources will be considered in all existing and new course offerings.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
10.1 Research specific courses for development and analyze needs.	<ul style="list-style-type: none"> ▪ Review college catalogs for prerequisites ▪ Contact corporate world regarding required entry-level skills 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Guidance Staff ▪ Principals ▪ Director of Instructional Services ▪ Administration 	Annually	<ul style="list-style-type: none"> ▪ List of proposed courses
10.2 Investigate available technology resources for existing courses.	<ul style="list-style-type: none"> ▪ Technology Integration Development Volunteers will explore available resources and share information with team/departments. 	<ul style="list-style-type: none"> ▪ Technology Integration Development Volunteers ▪ Director of Instructional Services ▪ Technology Staff 	Ongoing	<ul style="list-style-type: none"> ▪ Evidence of technology integration in lesson plans/classroom projects
10.3 Develop plan for offering course.	<ul style="list-style-type: none"> ▪ Develop course curriculum ▪ Evaluate staffing needs ▪ Secure approval and funding from Board of Education 	<ul style="list-style-type: none"> ▪ Guidance Staff ▪ Principals ▪ Director of Instructional Services 	Annually as necessary	<ul style="list-style-type: none"> ▪ Curriculum framework
10.4 Investigate IC3 Certification Program	<ul style="list-style-type: none"> ▪ Acquire software/tests and develop course curriculum 	<ul style="list-style-type: none"> ▪ Distributive Education Teacher ▪ Technology Staff 	Fall 2009	<ul style="list-style-type: none"> ▪ IQ Testing Center Results

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: B. Student Achievement

GOAL: 11. Software and electronically delivered learning materials aligned with NYS Learning Standards and NYS Assessments will be integrated into curricula and instruction. (Examples include web and/or client based instructional systems including Study Island, Castle Learning, Earobics, Riverdeep Destination Success, Learning Upgrade, Read Naturally, Scholastic FasttMath, Reading A-Z.com, TeachingMadeEasier.com)

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>11.1 Provide staff with access to electronic instructional resources.</p>	<ul style="list-style-type: none"> ▪ Install and populate electronic instructional systems with current demographic data 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Test access to resources on district equipment
<p>11.2 Provide staff with training in use of electronic instructional resources</p>	<ul style="list-style-type: none"> ▪ Provide in-service sessions to train staff in the use of all facets of electronic instructional resources 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Attendance at in-service sessions ▪ Feedback from staff
<p>11.3 Provide students with access to electronic instructional resources</p>	<ul style="list-style-type: none"> ▪ Provide technical/instructional support for staff 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Schedule computer lab/classrooms in conjunction with technology department staff for support
<p>11.4 Research new electronic instructional resources</p>	<ul style="list-style-type: none"> ▪ Provide access to instructional event/product information 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff ▪ Administrators 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Adoption/investment in electronic instructional resource systems

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: B. Student Achievement
GOAL: 12. A student portfolio will be electronically produced as needed.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>12.1 Make staff and students aware of the capability to produce student digital portfolios for archival and presentation purposes.</p>	<ul style="list-style-type: none"> ▪ Provide teacher in-service to utilize equipment to create portfolios. 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Attendance at in-service sessions ▪ Evidence of portfolio creation

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: C. Technology Delivery

GOAL: 12. Virtual Field Trips (VFTs) will be used to enhance curriculum. VFTs will be made available as part of the O/N BOCES VFT COSER (list of suggested VFTs are available on O/N BOCES website <http://www.onboces.org/services.cfm?subpage=677>).

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>12.1 The district will participate in the O/N BOCES VFT COSER to provide IP based, interactive audio/visual experiences to enhance curriculum.</p>	<ul style="list-style-type: none"> ▪ Turnkey trainers will attend O/N BOCES equipment operation training 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Director of Instructional Services ▪ Building Administrator ▪ Technology Staff 	<p>Annual Renewal</p> <p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Instructional staff will complete O/N BOCES evaluation form upon completion of VFT.

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: C. Technology Delivery

GOAL: 13. Web-based instructional systems will be made available for students/staff to enhance instruction.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>13.1 Web-based instructional resource systems will be made available to staff/students</p> <p>13.2 Staff will be trained in the use and teacher management capabilities of system.</p>	<ul style="list-style-type: none"> ▪ Vendor will provide specifications to ready the system for instructional use ▪ Provide in-service sessions to train staff in the use of all facets of electronic instructional resources 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff ▪ Director of Instructional Services 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Access to instructional resource system ▪ Attendance at in-service sessions ▪ Usage report logs from system

CATEGORY: CURRICULUM & INSTRUCTION

ELEMENT: C. Technology Delivery

GOAL: 14. Special needs software will be purchased, installed and made available to enhance the learning environment for special needs students as indicated as part of a student’s Individualized Education Plan (i.e. Dragon Naturally Speaking on student assigned laptop).

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>14.1 Technology resources will be considered as part of IEP review/creation process to meet special needs for student(s)</p> <p>14.2 Upon identification of technology resource, IEPs will include specifications for access and use of technology resources</p>	<ul style="list-style-type: none"> ▪ Special Education Director and Special Education teachers will attend in-service to explore available assistive technologies ▪ Committee on Special Education will identify resources for inclusion on student IEP 	<ul style="list-style-type: none"> ▪ Special Education Director ▪ Building Administrator ▪ Director of Instructional Services ▪ Parent ▪ CSE Committee Members ▪ Technology Staff 	<p>Fall/Spring Session</p> <p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Acquisition of assistive technology software/hardware ▪ Usage report logs of student software/hardware ▪ Feedback from special needs student, teacher, parent, CSE committee members

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 15. The Instructional Technology Plan will be disseminated to community members.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>15.1 Provide communication in the school Banner publication to a link on the district website to a downloadable/viewable PDF file containing the district Instructional Technology Plan.</p> <p>15.2 Paper copies and/or electronic copies of the district Instructional Technology Plan will be made available to community members at PTSA meetings and/or Open House.</p>	<ul style="list-style-type: none"> ▪ Community Education computer courses ▪ PTSA President and Community Education Coordinator 	<p>District Administrative Staff Technology Staff</p> <p>Technology Staff PTSA President Community Education Coordinator</p>	<p>July 2009</p> <p>September 2009</p>	<ul style="list-style-type: none"> ▪ Number of hits on district website ▪ Number of copier distributed

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 16. Classroom web-pages on the district website will be used to effectively communicate with parents and promote parent involvement in school related activities.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>16.1 Teachers will be trained in the use of the district website to create classroom web-pages to post classroom information/activities.</p>	<ul style="list-style-type: none"> ▪ SchoolWires classroom webpage training for staff interested in creating classroom web-pages. 	<p>Technology Staff Erie 1 BOCES CSLO Trainers</p>	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Number of classroom web-pages

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 17. Global Connect rapid broadcast system will keep community members, parents & students informed about school events, student absences and emergency information.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>17.1 Global Connect web-based system acquired with annual subscription through Erie 1 BOCES will be utilized to broadcast daily student absence information to parents.</p> <p>17.2 Global Connect will be utilized to broadcast school event information and emergency notifications.</p>	<ul style="list-style-type: none"> ▪ Global Connect system administrator training for administrative personnel, Public Relations Coordinator and technology staff. 	<p>Erie 1 BOCES Global Connect Trainer District Administrators Technology Dept Staff</p>	<p>Ongoing As Needed</p>	<ul style="list-style-type: none"> ▪ Report Logs

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 18. A *BANNER* section on technology will be instituted, communicating Internet access and school policy to parents and community.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>18.1 Effectively communicate school policies and procedures concerning Internet access to parents.</p>	<ul style="list-style-type: none"> ▪ Publicize in BANNER and on Website 	<ul style="list-style-type: none"> ▪ Technology Coordinator ▪ Public Relations Coordinator ▪ Administration 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ BANNER Article ▪ Extent of student certification
<p>18.2 Continually publicize student work and achievement in technology.</p>	<ul style="list-style-type: none"> ▪ Publicize in BANNER and on Website 	<ul style="list-style-type: none"> ▪ Public Relations Coordinator ▪ Technology Staff ▪ Instructional Staff ▪ Administration 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Community/Board of Education feedback
<p>18.3 Make parents aware of educational opportunities on the Internet.</p>	<ul style="list-style-type: none"> ▪ Publicize in BANNER and on Website 	<ul style="list-style-type: none"> ▪ Public Relations Coordinator ▪ Technology Staff ▪ Instructional Staff ▪ Administration 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Community/Student feedback
<p>18.4 Select news stories from The BANNER to post on the BCS homepage and publish entire BANNER to site on a monthly basis.</p>	<ul style="list-style-type: none"> ▪ Publicize in BANNER and on Website 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ PR Coordinator 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Number of hits on website ▪ Parent/Community feedback

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 19. Student Management System software, PowerSchool, will provide parent access to student information.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>19.1 Provide parents and students with web-based access to district student information.</p>	<ul style="list-style-type: none"> ▪ Erie 1 BOCES PowerSchool Trainer(s) ▪ District Turnkey Trainer(s) 	<ul style="list-style-type: none"> ▪ Administrative Staff ▪ Technology Staff ▪ Public Relations Coordinator 	<p>Summer 2009</p>	<ul style="list-style-type: none"> ▪ Feedback from parents ▪ Feedback from students

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 20. Open lines of communication for community members and district staff.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>20.1 Update/publish BarkerCSD e-mail addresses for parents.</p> <p>20.2 Publish district news and information on BCS Web site</p>	<ul style="list-style-type: none"> ▪ Publish in BANNER ▪ Publish on web site 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Public Relations Coordinator ▪ Technology Staff ▪ Public Relations Coordinator 	<p>Publish Annually</p> <p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Community feedback ▪ Number of hits on web site. ▪ Community feedback

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 21. More opportunities will be provided for community members to utilize district technology.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>21.1 Increase availability of computer facilities to public after school hours.</p>	<ul style="list-style-type: none"> ▪ Make money available to hire staff for additional lab 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Community Education Director 	<p>Ongoing</p>	<ul style="list-style-type: none"> • Registration
<p>22.2 Get parents involved in their child’s education by increased registration in computer lab courses.</p>	<ul style="list-style-type: none"> ▪ Open additional lab for increased registration 	<ul style="list-style-type: none"> ▪ Community Education Director/Instructors 	<p>Ongoing</p>	<ul style="list-style-type: none"> • Registration

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 22. The BarkerCSD website will be developed and maintained.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>22.1 Continue development of website for the district</p>	<ul style="list-style-type: none"> ▪ Employ and train appropriate Technology Staff in web authoring tools ▪ Provide necessary resources 	<ul style="list-style-type: none"> ▪ Technology Staff, Public Relations Coordinator 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from district staff ▪ Feedback from students ▪ Feedback from community members
<p>22.2 Insure accuracy and timeliness of all information.</p>	<ul style="list-style-type: none"> ▪ Implement quality control procedures ▪ Assign responsibility to appropriate staff 	<ul style="list-style-type: none"> ▪ Technology Staff, Public Relations Coordinator 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Observation

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 23. The Barkercsd website will be a resource for improving instructional practices and student learning.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>23.1 Provide information about district curriculum, NYS standardized testing, NYS Learning Standards, and scholarships on website or through links on web site.</p>	<ul style="list-style-type: none"> ▪ Gather links and information for web site 	<ul style="list-style-type: none"> ▪ Director of Instructional Services ▪ Guidance Staff ▪ Technology Staff ▪ Instructional Staff 	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Feedback from district staff ▪ Feedback from students ▪ Feedback from community members
<p>23.2 Continue development of an intranet for instructional, administrative and staff use.</p>	<ul style="list-style-type: none"> ▪ Employ and train appropriate Technology-Staff in web authoring tools ▪ Purchase latest web authoring tools and server software 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from staff
<p>23.3 Develop an intranet for student use to publish work and engage in web-based projects.</p>	<ul style="list-style-type: none"> ▪ Employ and train appropriate Technology-Staff in web authoring tools ▪ Purchase latest web authoring tools and server software 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Feedback from students

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: D. Parental Communications & Community Relations
GOAL: 24. The Barkercsd website will be a resource for parents and students.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>24.1 Provide collegiate and scholarship information for student/parent access.</p>	<ul style="list-style-type: none"> ▪ Create specific area of website for collegiate and scholarship information 	<ul style="list-style-type: none"> ▪ Guidance Staff ▪ Technology Staff ▪ Public Relations Coordinator 	<p>Spring 2009</p>	<ul style="list-style-type: none"> ▪ Number of hits on website

CATEGORY:

CURRICULUM & INSTRUCTION

ELEMENT:

E. Collaboration

GOAL:

25. Develop a community of educators who utilize technology to collaborate on projects and share information and resources

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>25.1 Provide access to state, national and international electronic forums through telecommunications.</p>	<ul style="list-style-type: none"> ▪ Research various electronic forums ▪ Subscribe teaching staff to electronic forums ▪ Train teaching staff how to use electronic forums 	<p>Technology Staff</p>	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teaching staff
<p>25.2 Subscribe to listservs and/or online forums that encourage peer mentoring through the use of electronic communication.</p>	<ul style="list-style-type: none"> ▪ Research various electronic forum formats ▪ Create electronic forum ▪ Monitor electronic forum 	<p>Technology Staff</p>	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teaching staff ▪ Amount of use

CATEGORY: CURRICULUM & INSTRUCTION
ELEMENT: E. Collaboration
GOAL: 26. Investigate Online courses to enhance instruction for high risk, GED and ESL students.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>26.1 Research web-based learning systems such as Learn 360, NY Learns & NovaNet for consideration as integration piece to meet the needs of high risk, GED and/or ESL students.</p>	<ul style="list-style-type: none"> ▪ Research various web-based systems ▪ Secure trial of online system ▪ Evaluate system upon completion of trial 	<p>Director of Instructional Services Instructional Staff Technology Staff Instructional Technology Committee</p>	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Investment in system ▪ System assessment reports ▪ Annual Subscription

CATEGORY: PROFESSIONAL DEVELOPMENT
ELEMENT: F. Professional Development
GOAL: 1. Administer staff development needs assessment tool on an annual basis.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Target Date/Year	Method of Evaluation
1.1 Develop/update needs assessment tool for staff development.	<ul style="list-style-type: none"> ▪ Research appropriate needs assessment questions 	<ul style="list-style-type: none"> ▪ Technology Committee ▪ Technology Staff 	Annually every September	<ul style="list-style-type: none"> ▪ Feedback from staff
1.2 Administer needs assessment tool to all BCS staff.	<ul style="list-style-type: none"> ▪ Distribute needs assessment tool 	<ul style="list-style-type: none"> ▪ Technology Coordinator 	Annually every Sept/Oct	<ul style="list-style-type: none"> ▪ Feedback from staff
1.3 Evaluate results to determine in-services offered to staff for current year.	<ul style="list-style-type: none"> ▪ Analyze needs assessment 	<ul style="list-style-type: none"> ▪ Technology Committee ▪ Technology Staff 	Annually every October	<ul style="list-style-type: none"> ▪ In-services provided
1.4 Engage staff, students and community in NETS Speak Up Day annual technology survey.	<ul style="list-style-type: none"> ▪ Analyze survey results/school data 	<ul style="list-style-type: none"> ▪ Technology Committee ▪ Technology Staff 	Annually	<ul style="list-style-type: none"> ▪ Acquisition/analysis of results

CATEGORY: PROFESSIONAL DEVELOPMENT

ELEMENT: F. Professional Development

GOAL: 2. Technology training and awareness of state and national standards addressing technology competencies will be provided to administrators, teachers, and other relevant educators and staff.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>2.1 On-site summer and after-school in-services will be available to all staff.</p>	<ul style="list-style-type: none"> ▪ Schedule tri-annual in-service programs 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Registration ▪ Class Evaluation
<p>2.2 Funds will be made available to provide approved off-campus technology training.</p>	<ul style="list-style-type: none"> ▪ Provide information on off-site training opportunities to turnkey trainers 	<ul style="list-style-type: none"> ▪ Administration ▪ Technology Staff ▪ Turnkey Trainer 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from participants (CDEP conference evaluation)
<p>2.3 When appropriate, non-district personnel will be brought to BCS to conduct training.</p>	<ul style="list-style-type: none"> ▪ Contact and schedule reliable, reputable training sources 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from participants
<p>2.4 Training will be provided on strategies for integrating technologies into curricula.</p>	<ul style="list-style-type: none"> ▪ Research and schedule appropriate training sessions 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Turnkey trainer ▪ Instructional Staff ▪ Dir. of Instructional Services 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Class evaluations

CATEGORY: PROFESSIONAL DEVELOPMENT
ELEMENT: F. Professional Development
GOAL: 2. Technology training and awareness of state and national standards addressing technology competencies will be provided to administrators, teachers, and other relevant educators and staff.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>2.5 Training in technology will be provided to student teachers to enhance their field experience.</p>	<ul style="list-style-type: none"> ▪ Schedule appropriate training sessions as needed. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from Teachers ▪ Feedback from Student Teachers.
<p>2.6 Training in district technology and strategies for integrating technologies into curricula will be provided to new staff</p>	<ul style="list-style-type: none"> ▪ Research and schedule appropriate training sessions. 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from New Staff ▪ Feedback from Administration
<p>2.7 Staff will be provided with NYS Learning Standards and National Educational Technology Standards (links on district website)</p>	<ul style="list-style-type: none"> ▪ Create links on district website and integrate standards into professional development workshops 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Director of Instructional Services ▪ Erie 1 BOCES CSLO Trainers ▪ Professional Development Workshop Trainer 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Number of hits on website ▪ Evidence of integration of technology standards in curriculum/lesson plan design

CATEGORY: PROFESSIONAL DEVELOPMENT
ELEMENT: F. Professional Development
GOAL: 3. Technology in-services will be provided for all staff.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>3.1 A varied selection of in-services will be offered to meet the instructional and clerical needs staff.</p>	<ul style="list-style-type: none"> ▪ Use needs assessment to determine instructional needs ▪ Develop in-service workshop 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Turnkey Trainer 	<p>Fall 2009- Spring 2012</p>	<ul style="list-style-type: none"> ▪ Online Class evaluations ▪ Feedback from staff
<p>3.2 Offer additional content specific technology training.</p>	<ul style="list-style-type: none"> ▪ Customize in-service for specific content training 	<ul style="list-style-type: none"> ▪ Technology Integration Teacher ▪ Turnkey Trainer 	<p>Fall 2009- Spring 2012</p>	<ul style="list-style-type: none"> ▪ Online Class evaluations ▪ Feedback from staff
<p>3.3 In-services will be offered on a variety of dates and times to meet the needs of staff.</p>	<ul style="list-style-type: none"> ▪ Use needs assessment to determine appropriate dates and times. ▪ Provide follow-up training for specific content application 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Turnkey Trainer ▪ Administration 	<p>Fall 2009- Spring 2012</p>	<ul style="list-style-type: none"> ▪ Online Class evaluations ▪ Feedback from staff

CATEGORY: PROFESSIONAL DEVELOPMENT

ELEMENT: F. Professional Development

GOAL: 4. Technology training will be integrated with other staff development activities to enable staff members to effectively use technology throughout the curriculum.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>4.1 Collaborate with department/team to include technology in other professional development activities.</p>	<ul style="list-style-type: none"> ▪ Identify professional development activities in which to include technology ▪ Meet with department/team 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from staff
<p>4.2 Collaborate with department/team to develop professional development activities which include technology.</p>	<ul style="list-style-type: none"> ▪ Identify ways technology may be integrated with activity ▪ Develop professional development activities 	<ul style="list-style-type: none"> ▪ Instructional Staff ▪ Technology Staff ▪ Director of Instructional Services 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from staff
<p>4.3 Offer staff development opportunities which integrate technology.</p>	<ul style="list-style-type: none"> ▪ Schedule staff development activities 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Turnkey Trainer ▪ Director of Instructional Services ▪ 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ In-services provided

CATEGORY: PROFESSIONAL DEVELOPMENT
ELEMENT: F. Professional Development
GOAL: 5. Develop appropriate technology training activities.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>5.1 Develop and coordinate comprehensive system of sequenced in-service opportunities for staff based on identified needs.</p>	<ul style="list-style-type: none"> ▪ Analyze needs assessment results ▪ Develop skills-based, sequenced in-service strands 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Turnkey Trainer ▪ Instructional Staff 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from staff
<p>5.2 Develop and offer in-services on emerging technologies.</p>	<ul style="list-style-type: none"> ▪ Identify emerging technologies and needs ▪ Update lab(s) to support such technologies ▪ Develop in-services 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Turnkey Trainer ▪ Instructional Staff 	<p>Fall/Spring Annually</p>	<ul style="list-style-type: none"> ▪ Feedback from staff ▪ In-services provided
<p>5.3 Develop and implement in-services that model effective technology integration with curriculum and classroom instruction/activities</p>	<ul style="list-style-type: none"> ▪ Research various instructional models ▪ Develop instructional design to model effective technology integration ▪ Implement design 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Turnkey Trainer ▪ Instructional Staff 	<p>Fall 2009-Spring 2012</p>	<ul style="list-style-type: none"> ▪ Feedback from staff ▪ In-services provided

CATEGORY: PROFESSIONAL DEVELOPMENT

ELEMENT: F. Professional Development

GOAL: 6. Establish and maintain partnerships with academic institutions and businesses to aid in the development of a technologically advanced staff.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>6.1 Establish and maintain partnerships with other academic institutions.</p>	<ul style="list-style-type: none"> ▪ Identify professional development activities in which to include technology ▪ Meet with department/team 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Guidance Staff ▪ Administration 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Feedback from staff
<p>6.2 Establish and maintain partnerships with businesses.</p>	<ul style="list-style-type: none"> ▪ Identify ways technology may be integrated with activity ▪ Develop professional development activities 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Guidance Staff ▪ Administration 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Feedback from staff
<p>6.3 Utilize partnerships and other opportunities to expose staff to a technical workplace.</p>	<ul style="list-style-type: none"> ▪ Schedule staff development activities 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ In-services provided

CATEGORY: PROFESSIONAL DEVELOPMENT

ELEMENT: F. Professional Development

GOAL: 7. Develop and maintain tools to evaluate staff development components.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>7.1 Develop and maintain a database-driven, web-based system for in-service registration and evaluation.</p>	<ul style="list-style-type: none"> ▪ Research assessment tools. ▪ Create and maintain web-based forms. ▪ Create and maintain a database for assessment information ▪ Develop and review in-service evaluation form and update as needed. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Director of Instructional Services 	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Accuracy of data collected. ▪ Feedback from staff.
<p>7.2 Develop and maintain database-driven, web-based systems for specialized tasks or applications.</p>	<ul style="list-style-type: none"> ▪ Create and maintain web-based forms and database. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Director of Instructional Services 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Accuracy of data collected. ▪ Feedback from staff.

CATEGORY: PROFESSIONAL DEVELOPMENT

ELEMENT: F. Supporting Resources

GOAL: 8. A variety of resources are revised annually and utilized to support the entire technology program.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>7.1 District policies, Electronic manuals and printed material, informational school web site, instructional/training software, technology expectations, technology department procedures, electronic information subscriptions/help systems, Erie 1 BOCES technical support and other resources are utilized to support the entire technology program.</p>	<ul style="list-style-type: none"> ▪ Provide access to electronic resources ▪ Distribute printed resources ▪ Renew annual subscriptions 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Director of Instructional Services ▪ Administrative Personnel ▪ Board of Education ▪ Instructional Technology Committee 	<p>Reviewed and revised as necessary each Fall</p>	<ul style="list-style-type: none"> ▪ Number of downloads from district website ▪ Number of manuals distributed ▪ Subscription renewal status

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 1. Obsolete computers will be upgraded with multi-media hardware.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>1.1 High School Math Department obsolete computers will be replaced with new multimedia computers.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students
<p>1.2 High School computer lab obsolete computers will be replaced with new multimedia computers.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students
<p>1.3 Middle School computer lab obsolete computers will be replaced with new multimedia computers.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Fall 2010</p>	
<p>1.4 Middle School classroom obsolete computers will be replaced with new multimedia computers.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Fall 2010</p>	

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 1. Obsolete computers will be upgraded with multi-media hardware.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>1.5 Elementary classroom obsolete computers will be replaced with new multimedia computers.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Fall 2011</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 2. Additional hardware will be purchased as needed and according to the district replacement and maintenance cycle.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>2.1 Network servers, internal connections and WAN equipment will be upgraded and purchased as needed.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend hardware for purchase. Design network configuration 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Business Office 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from Network Administrator and Erie 1 BOCES WNYRIC Specialists
<p>2.2 Additional computers will be purchased as needed</p>	<ul style="list-style-type: none"> ▪ Determine needs ▪ Research, specify and recommend hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Summer 2009 Summer 2010 Summer 2011</p>	<ul style="list-style-type: none"> ▪ Feedback from staff/students
<p>2.3 Multimedia Management Center hardware will be purchased and upgraded as needed</p>	<ul style="list-style-type: none"> ▪ Determine needs ▪ Research, specify and recommend hardware for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Efficiency of system functionality
<p>2.4 Data Imaging Server will be purchased</p>	<ul style="list-style-type: none"> ▪ Install data imaging server 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Fall 2009</p>	<ul style="list-style-type: none"> ▪ Internet performance

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 3. Additional peripheral devices will be purchased as needed.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>3.1 CDRW and/or DVD burners for student use will be placed in the high school library/middle school computer lab as needed.</p>	<ul style="list-style-type: none"> ▪ Determine need and location. Research, recommend, purchase and install equipment 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Utilization of equipment ▪ Feedback from staff/students
<p>3.2 Desktop video cameras will be purchased for appropriate elementary, middle and high school teachers.</p>	<ul style="list-style-type: none"> ▪ Determine need and purchase equipment ▪ Train teachers how to integrate this technology into curriculum 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Utilization of equipment ▪ Feedback from staff/students
<p>3.3 Additional CDRW and DVD burners, video production equipment and peripheral devices will be placed in strategic locations for staff use.</p>	<ul style="list-style-type: none"> ▪ Determine need and purchase equipment ▪ Train staff 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Utilization of equipment ▪ Feedback from staff
<p>3.4 Internal radio communication devices, pagers and cell phones will be purchased as needed</p>	<ul style="list-style-type: none"> ▪ Determine need and purchase equipment ▪ Train staff 	<ul style="list-style-type: none"> ▪ Administration ▪ Maintenance Staff ▪ Technology Staff 	<p>Spring 2010 Spring 2010 Spring 2010</p>	<ul style="list-style-type: none"> ▪ Utilization of equipment ▪ Feedback from staff

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 4. An equitable and ergonomically sound environment will be established and maintained.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>4.1 Furniture will be purchased to maintain an ergonomically sound environment.</p>	<ul style="list-style-type: none"> ▪ Assess need. ▪ Research, specify and recommend appropriate furniture for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Maintenance Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from staff and students
<p>4.2 Ergonomically-sound computer accessories, such as mouse pads and keyboards, will be purchased as needed.</p>	<ul style="list-style-type: none"> ▪ Assess need. ▪ Research, specify and recommend appropriate computer accessories for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from staff and students
<p>4.3 Hardware will be purchased to meet the needs of staff and students with disabilities as needed.</p>	<ul style="list-style-type: none"> ▪ Assess need. ▪ Research, specify and recommend appropriate technology for purchase. 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from staff and students
<p>4.4 Access to hardware by staff and students with disabilities will be made available.</p>	<ul style="list-style-type: none"> ▪ Assess need. ▪ Provide appropriate access. 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from staff and students

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 5. Integrate telephone system reporting and notification with existing computer network.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>5.1 Provide access to telephone reporting system with computer network.</p>	<ul style="list-style-type: none"> ▪ Assess need. ▪ Research, specify and recommend appropriate equipment for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Maintenance Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ System interface/utilization
<p>5.2 Develop communication with database and Internet reporting tools.</p>	<ul style="list-style-type: none"> ▪ Train staff 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ System interface/utilization
<p>5.3 Update telecommunications system to include voice mail feature for all numbers.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate equipment for purchase ▪ Train staff 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Maintenance Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ System interface/utilization ▪ Feedback from staff, students and parents
<p>5.4 Use telecommunications system, Global Connect to automatically call parents/guardians to provide notification when their child is absent from school.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate equipment for purchase ▪ Train staff 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Maintenance Staff ▪ Administration 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ System interface/utilization ▪ Feedback from staff, students and parents

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 6. Secure access to resources and make effective use of services eligible under E-rate discounts and acquire future technologies under E-rate funding.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>6.1 Install and maintain internal data connections, email systems, Internet access, WAN infrastructure, pagers, internal radio communication devices, cell phones, telephone systems.</p>	<ul style="list-style-type: none"> ▪ Assess need. ▪ Research, specify and recommend appropriate equipment for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Maintenance Staff 	<p>Spring 2010 Spring 2011 Spring 2012</p>	<ul style="list-style-type: none"> ▪ System interface/utilization

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 7. Appropriate Computer Aided Instruction (CAI) will be provided.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>7.1 Students will be provided with appropriate CAI as indicated on student IEPs.</p>	<ul style="list-style-type: none"> ▪ Determine need ▪ Research, recommend, purchase and install equipment for appropriate location/setting 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Director Instructional Services ▪ Administration 	<p>Annual</p>	<ul style="list-style-type: none"> ▪ Feedback from Director of Instructional Services ▪ Feedback from staff/students

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 8. Additional software will be purchased and upgraded as needed.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>8.1 Appropriate new educational software will be identified, reviewed and recommended for purchase as curricula and textbooks change.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate software for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Director of Instructional Services and Curriculum 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students
<p>8.2 Application software will be purchased and updated as needed.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate software for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Office Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from office personnel/staff
<p>8.3 Windows based educational software will be purchased to replace existing, outdated software.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate software for purchase 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration ▪ Business Office 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 9. Management software will be upgraded as needed.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>9.1 Web-based solutions will be maintained for tracking special education student information and AIS student information (RTIM Direct)</p> <p>9.2 Student Management System and Electronic Gradebook software will be upgraded to web-based system; PowerSchool.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate solutions. ▪ Download and install revisions and distribute to staff 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Director of Instructional Services ▪ Technology Staff 	<ul style="list-style-type: none"> ▪ Ongoing ▪ Summer 2009 	<ul style="list-style-type: none"> ▪ Feedback from administration ▪ Feedback from users

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 9. Management software will be upgraded as needed.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>9.3 IEP Direct will be upgraded to the latest version as required by Erie 1 BOCES.</p>	<ul style="list-style-type: none"> ▪ Install revisions 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from users
<p>9.4 Global Connect will be upgraded/maintained.</p>	<ul style="list-style-type: none"> ▪ Install revisions 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ System utilization
<p>9.5 District web-based Data Warehouse solution will be maintained.</p>	<ul style="list-style-type: none"> ▪ Train staff and upgrade as needed 	<ul style="list-style-type: none"> ▪ Administration ▪ Technology Staff ▪ Erie 1 BOCES 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from Administration
<p>9.6 Implement web-based system PDP Premiere Professional Development Tracking System</p>	<ul style="list-style-type: none"> ▪ Erie 1 BOCES PDP Premiere Trainer(s) ▪ District Office Staff become system admins/turnkey trainers for PDP Premiere ▪ Train instructional staff 	<ul style="list-style-type: none"> ▪ District Office Clerical Staff ▪ Technology Staff ▪ Director of Instructional Services ▪ Erie 1 BOCES Trainer(s) 	<p>Summer/Fall 2009</p>	<ul style="list-style-type: none"> ▪ Population of system data ▪ Processing/approval of professional development hours ▪ Report Logs

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 10. Network software will be upgraded.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>10.1 Network operating system software will be upgraded to the latest version to increase efficiency and improve network management.</p>	<ul style="list-style-type: none"> ▪ Purchase and install latest software revisions 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Efficiency of network functionality
<p>10.2 Storage Array capacity will be increased to accommodate increased data storage demands.</p>	<ul style="list-style-type: none"> ▪ Purchase and install appropriate hardware and software. 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Efficiency of network storage capacity.
<p>10.3 Network training will be provided for technology staff as needed.</p>	<ul style="list-style-type: none"> ▪ Identify training needs 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from attendee(s)
<p>10.4 The latest Microsoft and/or Novell Server Software will be used to upgrade the network as necessary.</p>	<ul style="list-style-type: none"> ▪ Purchase and install appropriate software 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Administration 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Efficiency of network functionality.
<p>10.5 Maintain/upgrade Lotus Notes email system and SPAM filtering on email server.</p>	<ul style="list-style-type: none"> ▪ Research and install spam filtering software 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Amount of spam sent to email users
<p>10.6 Maintain Internet filtering through an ERIE 1 BOCES service agreement</p>	<ul style="list-style-type: none"> ▪ Install/configure hardware and software for Internet filtering. 	<ul style="list-style-type: none"> ▪ Technology Staff 	<p>Annually</p>	<ul style="list-style-type: none"> ▪ Number of inappropriate web sites that can be accessed

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 11. Web-based subscriptions will be purchased and upgraded as needed.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>11.1 Appropriate web-based subscriptions will be identified, reviewed and recommended for purchase.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate web-based subscriptions for purchase. 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Director of Instructional Services 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students
<p>11.2 Web-based subscriptions will be reviewed on an annual basis for quality and usage and renewed if appropriate</p>	<ul style="list-style-type: none"> ▪ Review quality of content. ▪ Review usage by teachers and students. ▪ Apply for renewal if appropriate 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff ▪ Director of Instructional Services 	<p>Annual</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers ▪ Feedback from students

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE
ELEMENT: H. Infrastructure Needs/Technical Specification, and Design
GOAL: 12. Investigate open-source solutions to replace computer desktop software and operating systems.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>12.1 Appropriate operating system/desktop system solutions will be identified, reviewed and recommended for purchase.</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate solutions 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Instructional Staff 	<p>Spring 2010</p>	<ul style="list-style-type: none"> ▪ Feedback from teachers. ▪ Feedback from students.

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 13. Establish a district data management team.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>13.1 Establish/renew a district data management team comprised of cafeteria management staff, administration, technology staff, and guidance staff</p>	<ul style="list-style-type: none"> ▪ Train committee members in data management procedures and regulations 	<ul style="list-style-type: none"> ▪ CIO 	<p>Fall 2010 Fall 2011 Fall 2012</p>	<ul style="list-style-type: none"> ▪ Accuracy and completeness of data uploaded to data warehouse
<p>13.2 District data management team will meet to review regulations, procedures, accuracy of data warehouse reports and make changes as needed</p>	<ul style="list-style-type: none"> ▪ Train committee members in data warehouse 	<ul style="list-style-type: none"> ▪ CIO ▪ Technology Staff 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Accuracy and completeness of data uploaded to data warehouse

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 14. Establish records retention procedure.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
14.1 Investigate digital solutions for document/records retention	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate solutions. 	<ul style="list-style-type: none"> ▪ Technology Staff 	Spring 2010	<ul style="list-style-type: none"> ▪ System utilization

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 15. District internal and external video surveillance system(s) will be upgraded, expanded and enhanced to provide a secure campus environment.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>15.1 Investigate digital video surveillance solution available as NYS aid-able project through Erie 1 BOCES</p> <p>15.2 Acquisition of digital video surveillance solution</p>	<ul style="list-style-type: none"> ▪ Research, specify and recommend appropriate solutions. ▪ Erie 1 BOCES Trainer(s) 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ District Administrators ▪ Director of Facilities ▪ Instructional Technology Committee ▪ Technology Staff ▪ District Administrators ▪ Director of Facilities ▪ Instructional Technology Committee 	<p>Fall 2009 – Spring 2010</p> <p>Fall 2010 – Spring 2011</p>	<ul style="list-style-type: none"> ▪ Identification of digital upgrade/replacement solution ▪ Implementation of digital upgrade/replacement system

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 16. Migration from analog video distribution system to digital solution.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
16.1 Investigate digital video distribution solutions	<ul style="list-style-type: none"> ▪ Research available solutions 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ District Administrators ▪ Director of Facilities ▪ Instructional Technology Committee 	Fall 2009 – Spring 2010	<ul style="list-style-type: none"> ▪ Compilation of available solutions under consideration
16.2 Identify solution to replace existing analog system	<ul style="list-style-type: none"> ▪ Identify replacement system 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ District Administrators ▪ Director of Facilities ▪ Instructional Technology Committee 	Fall 2010	<ul style="list-style-type: none"> ▪ Identification of replacement solution
16.3 Acquisition of digital video distribution solution	<ul style="list-style-type: none"> ▪ Train system admins, district staff 	<ul style="list-style-type: none"> ▪ System distributor trainer(s) ▪ Technology Staff 	Spring 2011	<ul style="list-style-type: none"> ▪ Replacement of analog system/digital upgrade/interface

CATEGORY: INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

ELEMENT: H. Infrastructure Needs/Technical Specification, and Design

GOAL: 17. Acquire and expand the integration of interactive classroom units in elementary, middle and high school classrooms.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
17.1 Investigate interactive classroom solutions	<ul style="list-style-type: none"> ▪ Research available solutions 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ District Administrators ▪ Director of Facilities ▪ Instructional Technology Committee 	Fall 2009	<ul style="list-style-type: none"> ▪ Compilation of available solutions under consideration
17.2 Identify interactive classroom solution	<ul style="list-style-type: none"> ▪ Identify replacement system 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ District Administrators ▪ Director of Facilities ▪ Instructional Technology Committee 	Fall 2009	<ul style="list-style-type: none"> ▪ Identification of interactive classroom solution
17.3 Acquisition of interactive classroom solution	<ul style="list-style-type: none"> ▪ Train system admins, district staff 	<ul style="list-style-type: none"> ▪ Erie 1 BOCES CSLO Trainer(s) ▪ Technology Staff 	Spring 2010	<ul style="list-style-type: none"> ▪ Acquisition of interactive classroom solution

CATEGORY: MONITORING AND EVALUATION

ELEMENT: M. Evaluation

GOAL: 1. Instructional Technology Committee will perform quarterly review of Instructional Technology Plan to serve as organizational mechanism to ensure plan implementation and allow for changes to the plan and its components.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>1.1 Quarterly meetings for purpose of Instructional Technology Plan review.</p>	<ul style="list-style-type: none"> ▪ Familiarize committee members with terminology and plan components 	<ul style="list-style-type: none"> ▪ Technology Coordinator ▪ Director of Instructional Services 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Successful implementation of plan ▪ Modifications to plan to accommodate new technologies

CATEGORY: MONITORING AND EVALUATION
ELEMENT: M. Evaluation
GOAL: 2. Collection of feedback from administration, instructional staff, students, other staff and community members via formal and informal communications.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>2.1 Administration of annual survey</p> <p>2.2 Participation in NETS Speak Up Day Technology Survey</p>	<ul style="list-style-type: none"> ▪ Provide assistance with completion of web-based survey ▪ Provide assistance with completion of web-based survey 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Public Relations Coordinator ▪ Building Level Administrators ▪ Technology Staff 	<p>Spring 2010 Spring 2011 Spring 2012</p> <p>Fall 2009 Fall 2010 Fall 2011</p>	<ul style="list-style-type: none"> ▪ Survey Participation/Results ▪ Survey Participation/Results

CATEGORY: MONITORING AND EVALUATION
ELEMENT: M. Evaluation
GOAL: 3. Administrative observations will include technology integration category to assess impact on teaching and learning.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>3.1 Instructional observations made by district administrators will include technology integration category to assist in evaluating instruction.</p> <p>3.2 Student portfolios and projects will be created and serve as a measure to evaluate the impact of technology on learning.</p>	<ul style="list-style-type: none"> ▪ Erie 1 BOCES CSLO Trainer(s) for instructional staff in technology integration techniques ▪ Train staff/students in portfolio development 	<ul style="list-style-type: none"> ▪ Technology Staff ▪ Erie 1 BOCES CSLO Trainer(s) ▪ Technology Staff 	<p>Fall/Spring Annually</p> <p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Observations reflect evaluation category for technology integration ▪ Creation of portfolios

CATEGORY: MONITORING AND EVALUATION
ELEMENT: M. Evaluation
GOAL: 4. Use NYS Assessment data to improve instruction.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>4.1 Analyze NYS assessment data to evaluate curriculum and instructional goals.</p>	<ul style="list-style-type: none"> ▪ Erie 1 BOCES CSLO Trainer(s) for staff in Data Mentor/Data Warehouse systems 	<ul style="list-style-type: none"> ▪ Director of Instructional Services ▪ Building Level Administrators ▪ Technology Staff ▪ Erie 1 BOCES CSLO Trainer(s) 	<p>Fall/Spring Annually</p>	<ul style="list-style-type: none"> ▪ Results from analysis drive curricular changes, instructional modifications

CATEGORY: MONITORING AND EVALUATION

ELEMENT: M. Evaluation

GOAL: 5. Provide a quality educational experience through access to appropriate technology systems in a fiscally responsible manner.

Actions Needed to Achieve Goal	Staff Development	Person(s) Responsible	Date Each Action Will Be Completed	Indication of Success
<p>5.1 Determine district needs related to technology and coordinate purchasing in a fiscally responsible manner through research of available funding, grants and NYS aid-able programs.</p>	<ul style="list-style-type: none"> ▪ Review budget and purchasing procedures with Erie 1 BOCES Customer Support Representative ▪ Utilize O/N BOCES resources to acquire grant information ▪ Develop sound working relationship with multiple vendors 	<ul style="list-style-type: none"> ▪ District Administrators ▪ Technology Staff ▪ Instructional Technology Committee ▪ Erie 1 BOCES Customer Support Representative ▪ Erie 1 BOCES Project Manager ▪ Erie 1 BOCES Senior Technical Consultant 	<p>Ongoing</p>	<ul style="list-style-type: none"> ▪ Acquisition of technology systems and related equipment at competitive and aid-able cost ▪ Cost-effective implementation to meet established district goals

Barker Central School District Student Teacher Technology Guide

The Barker Central School Instructional Technology Committee has identified the importance of blending the student teaching experience with an exposure to various types of technology. Barker Central School has much to offer student teachers completing pre-service training. The breadth and depth of technology in our school provides student teachers a unique opportunity to learn various educational technology programs. The Instructional Technology Committee has developed a guide, for teachers and student teachers, that outlines applications and skills student teachers should have the opportunity to learn during their field experience at BCS.

This document has been developed with the intent to provide consistency in experiences for all student teachers. Please email the Barker Central School Technology Department with any questions, concerns or suggestions.

Student Teacher Technology Guide	
<i>Objectives</i>	<i>Implementation Strategy/Activity</i>
Student teachers will explore and integrate educational technology resources to enhance curriculum development and instruction.	Student teachers will incorporate educational technology resources into lesson plan design and instruction. For example: Internet resources, educational software and audio/visual resources
Student teachers will utilize an electronic gradebook program	Student teachers will use Integrate Pro to enter student grades and print various reports.
Student teachers will understand the purpose of a “Technology Acceptable Use Agreement”	All student teachers must read, sign and agree to enforce the BCS Acceptable Use Agreement.
Student teachers will utilize an electronic student management program	Student teachers will use SASIxp, student management program, to take homeroom/classroom attendance, access student information and course information.
Student teachers will utilize electronic mail software	Student teachers will be given a BCS email account and added to the appropriate mailing lists. Student teachers will also have access to BCS email via a Web browser. Important district news and information is communicated through BCS email. Student teachers are expected to check their BCS email account daily to stay informed and are encouraged to use email to communicate with other BCS staff.

Student Teacher Technology Guide	
<i>Objectives</i>	<i>Implementation Strategy/Activity</i>
Student teachers will utilize voicemail	Student teachers will learn how to record and access messages on the ParentLink voicemail system through telephone and Internet.
Student teachers will utilize the Internet	Student teachers will use the Internet to search and access information related to instructional objectives and to develop lesson plans.
Student teachers will utilize peripheral devices	Student teachers will have the opportunity to use peripheral devices, such as scanners, digital cameras and microscopes.
Student teachers will utilize subject-related software	Student teachers will have the opportunity to use educational software related to curriculum area/grade level of field experience at BCS.
Student teachers will receive training in basic computer functionality	Student teachers will receive network overview and learn basic computer skills and concepts using Windows Explorer.
Student teachers will become resourceful in acquiring assistance with technology	BCS Technology Department is available to assist student teachers with technology questions and needs.
Student teachers will utilize the video distribution system	Student teachers will learn how to utilize the district SmartSystem to: <ul style="list-style-type: none"> • schedule and play videos, laserdiscs and DVDs • access global television stations • display computer programs on classroom monitor
Student teachers will develop awareness of assessment data and resources available to target instructional areas in need of improvement.	Student teachers will create a Data Mentor account and explore instructional enrichment and remediation resources, learn data analysis techniques and target low achievement scores for specific performance indicators.

***Barker Central Schools
1628 Quaker Road
Barker, New York 14012***

***Classroom Webpage
Copyright & Content
Guidelines & Standards***

Subject Matter

All subject matter on the BCS Website and links provided on the website must relate to:

- Curriculum and instruction
- District-authorized activities or services offered
- Information about our district
- Information and/or content that follows the district mission

Content may not violate any district policies.

Expectations

Teacher Web pages are written for a wide range of audiences - parents, students, community members and other teachers. We ask that you always be aware of your audience. When designing your pages, minimal scrolling is recommended. Whenever possible, break long pages into separate pages.

MINIMUM teacher page content includes:

1. A welcome page that is up-to-date
2. Some other useful content for students/parents (favorite links, syllabus, homework, calendar etc...)
3. Up-to-date links

All content may be routed through Website administrators before it goes “live”. We reserve the right to edit, remove and/or adjust material/content on any teacher pages within our site that violate the law or the district’s acceptable use policy. Any such change will be reported to the page owner.

Inappropriate content may result in the immediate removal of pages from the Barker Central School website. Some examples of inappropriate content are:

- Use of commercial advertising
- Links to chat rooms
- Links to personal home pages, myspace, facebook etc...
- Infringement of copyright and/or the acceptable use policy

Copyright

- The district is legally responsible for use of copyrighted materials on the Website.
- Use of logos, artwork, photographs, sound, video or printed material on the district Website without written permission by the author, business or owner is PROHIBITED.
- Content editors of our site must have all permissions for use of copyrighted material on file. Each section editor should also keep a file of written permission in their personal files.
- Copyright violation is real.
- What does Copyright mean?
 - Copyrighted materials include but are not limited to:

- Photographs
- Logos
- Music
- Videos
- Cartoons
- Drawings/paintings/graphs/charts/animation
- Articles – including selected text from an article
- Other Web pages (their content and photos)
- Most everything published in print and electronic form
- Student work
- The Web is considered published/public. Teachers do not have “fair use” on the Web.
 - If you copy an article from another site and paste it onto your page (even if it is sourced), you are not in compliance with copyright laws. The proper way is to post an intro and link to the content you want to use.
 - Avoid “right clicking” and then “copy and pasting” a photo, cartoon or image that you like.
 - Handouts cannot be posted on your page without the owner’s permission. Even if it says “okay for classroom reproduction” – the Web is not the classroom. A way around this is to have the page you are putting this material on user protected – this means that only certain users, like students, would have access to the page you intend to put the information on.
- Avoid framing.
 - This is opening an article or other Website inside a frame of your Website – so the user “feels” that they have never left your site. Always open links in a new window.
- Avoid deep linking.
 - This is when you visit another Website and find an article/page/section that you like and then insert a link directly to that article/page/section. Instead, you should provide the link to the other Website’s homepage with a description of the material you want the user to read and where to find it on the site.
- Student work.

Yes, it is their own. Ask before using and make sure you notify a parent/guardian if they are under 18.

Content

- Tips:
 - Keep it short – the average viewer spends around 10 seconds on a page
 - Keep your point clear
 - Proofread! Spellcheck!
 - Keep your content up-to-date. You want them to check back frequently. Give them a reason to.
 - Remember, anyone can access our website and the information on it – even the press. It is important that you present yourself and your information (including photographs) on the Web the same as you would like the news to present you on TV.
 - Remember, you are an ambassador of this District. Parents, students, community members and others will regularly be looking at these pages. You are marketing your class and our District on your pages.
 - Don’t invite danger.
 - When listing out a field trip, for example, do not give exact times and locations – don’t invite predators.
 - Any references to email addresses should be written as follows to minimize spam: jdoe followed by @barkercsd.net

- When listing student photos, be certain not to post their full name or personal details. Broken homes, predators and identity thieves are a reality.
- Visual Appearance
 - Text:
 - The main BCS Web page font is Tahoma. While you are welcome to use other fonts, remember that too many may make the page hard to read.
 - Don't use blinking text. Not only is it a visual distraction, it slows down dial-up access.
 - The color blue is traditionally reserved for links. Red should be used for emergency or very important, yet temporary information.
 - Make sure your background color, image and your font complement each other. It should be easy to read. Also be conscious of how your page will print. Pages with excessive color and background can drain an ink cartridge quickly.
 - Don't underline words. Underlining usually indicates an active link.
 - Clip Art and Photos
 - Follow district policy regarding student photo usage.
 - At the current time, the district uses passive consent for display and use of student photos and work. You will be informed if any of your students have a "do not use" policy on file. It is your responsibility to maintain compliance for students with a "do not use" policy on file.
 - Be aware of student photo details. Make sure the pictures you are posting are a positive representation of the school/class.
 - Reminder: Do not use full names or personal information.
 - Watch your sizes! While photos are acceptable in jpeg format, everything else should be in gif format.
 - Animated clip art is discouraged. Why? They can take a long time to load. You always need to be conscious of your audience – many people in our community use dial-up. Animation, when pertaining to the class curriculum (such as design and computer animation) is acceptable but we recommend placement on a secondary page rather than a main welcome page.
 - Clip art images:
 - Only royalty free, non-copyrighted images are allowed.
 - All other images must be cited. In addition, any documents that you post that contain images should include a citation.
 - Posted photos should pertain to the page they are on. For instance, if you teach 5th grade and also coach a sport, your sports photos of your athletes should not be on your 5th grade teacher home page.

Barker Central School Pre-Kindergarten-12 Technology Expectations

The Technology Integration Development Volunteer (TIDV) committee is comprised of Barker Central elementary, middle and high school teachers. The TIDV committee was established to assist in the research and development of curriculum-based technology outcomes for students.

The New York State Learning Standards and the International Society for Technology in Education (ISTE) initiated National Educational Technology Standards (NETS) project were used as guides in the development of grade level expectations in educational technology for grades Pre-Kindergarten through 12. Each grade level expectation consists of 6 standards, with accompanying goals and objectives.

This project developed objectives to guide teachers in recognizing and addressing the effective use of technology to support student achievement. The availability of this data provides instructional staff with a means to integrate technology into student activities and curricular units of instruction. The Barker Central School educational technology expectations provide continuous and consistent opportunities to utilize technology.

The TIDV committee has begun work on aligning software with each educational technology objective. This will assist instructional staff in the development of student activities and lesson plans. It is hoped that this information will encourage the collaborative development of interdisciplinary and other activities that meet New York State Learning Standards.

This is a working document that will be revised on a continuous basis.

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION Educational Technology Grade Pre-K

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Identify television monitor
 - 2 Identify basic computer components
- 2 Students are proficient in the use of technology.
 - 1 Introduce how to turn computer on/off
 - 2 Understand function of Enter Key
 - 3 Select and open a program from desktop
 - 4 Develop simple mouse manipulations
 - 5 Select appropriate print options
 - 6 Introduce ways to close a program

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal technology issues.
 - 1 Awareness of technology use in the classroom
- 2 Practice responsible use of technology systems.
 - 1 Introduce rules for technology use
- 3 Develop positive attitudes toward technology.
 - 1 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Expose students to multimedia/interactive stories and programs
 - 2 Utilize one developmentally appropriate software program
 - 3 Explore visual and spatial relationships with software
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Construct original picture using basic art tools

6 Technology Problem Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making.
 - 1 Solve visual and spatial problems
 - 2 Solve problems with shapes, patterns and colors

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade K

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Identify computer components
- 2 Students are proficient in the use of technology.
 - 1 Turn computers on/off
 - 2 Logon/off network
 - 3 Make use of basic input devices
 - 4 Select and open a program from desktop
 - 5 Manipulate menu options from desktop
 - 6 Demonstrate ways to close programs
 - 7 Move between menu options within a software program
 - 8 Use backspace key
 - 9 Select appropriate print options

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal tech issues.
 - 1 Identify ways technology is used at school and home
- 2 Practice responsible use of technology systems.
 - 1 Reinforce rules for technology use
- 3 Develop positive attitudes toward technology.
 - 1 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Expose students to multimedia/interactive stories and programs
 - 2 Explore visual/spatial relationships with software
 - 3 Utilize developmentally appropriate software programs
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Construct original picture using basic art tools

4 Technology Communications Tools

- 2 Use variety of media to communicate ideas effectively.
 - 1 Introduce story writing software

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade K

5 Technology Research Tools

- 2 Use technology tools to process data.
 - 1 Collect and graph results of classroom data

6 Technology Problem Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making.
 - 1 Solve visual and spatial problems
 - 2 Exposure to software which promotes critical thinking
- 2 Use technology to create problem solving strategies.
 - 3 Use technology to solve problems

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 1

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Turn computers on/off
 - 2 Identify computer components
- 2 Students are proficient in the use of technology.
 - 1 Logon on/off network with user ID
 - 2 Make use of basic input devices
 - 3 Select and open programs from desktop
 - 4 Manipulate menu options from desktop
 - 5 Move between menu options within a software program
 - 6 Use basic word processing menu options

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal tech issues.
 - 1 Discuss ways technology affects school and home life
- 2 Practice responsible use of technology systems.
 - 1 Reinforce appropriate rules for the use of technology
- 3 Develop positive attitudes toward technology.
 - 1 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Create numerical patterns using technology
 - 2 Manipulate visual/spatial relationships with software
 - 3 Utilize developmentally appropriate software programs
 - 4 Create illustrations to accompany original story
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Create an original multimedia presentation with pictures

4 Technology Communications Tools

- 2 Use variety of media to communicate ideas effectively.
 - 1 Introduce story writing software

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 1

5 Technology Research Tools

- 1 Use technology to collect information.
 - 1 Use developmentally appropriate research media
- 2 Use technology tools to process data.
 - 1 Collect and graph results of classroom data

6 Technology Problem Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making.
 - 1 Use software that promotes critical thinking
 - 2 Manipulate spatial relationships to solve problems
- 2 Use technology to create problem solving strategies.
 - 1 Use technology to solve problems

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 2

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Identify computer components
 - 2 Identify technology components
- 2 Students are proficient in the use of technology.
 - 1 Demonstrate basic operation and network access
 - 2 Make use of basic input devices
 - 3 Introduce right mouse button functions
 - 4 Use basic word processing menu options
 - 5 Effectively use spell check
 - 6 Introduce the I-beam cursor
 - 7 Move between menu options within software programs
 - 8 Select the appropriate print options

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal technology issues.
 - 1 Identify ways technology is used in our community
 - 2 Gain awareness of direct impact of technology advancements
- 2 Practice responsible use of technology systems.
 - 1 Explore email etiquette
- 3 Develop positive attitudes toward technology.
 - 1 Use computers collaboratively to promote cooperation.

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Receive instruction on use of Reading Counts
 - 2 Create an original picture using a graphic program
 - 3 Integrate software/technology into each subject area
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Create an original multimedia presentation

4 Technology Communications Tools

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

<u>STD</u>	<u>GOAL</u>	<u>OBJ</u>	<u>DESCRIPTION</u>
------------	-------------	------------	--------------------

- | | | | |
|---|---|--|--|
| 1 | | | Use telecommunications to interact with others. |
| | 1 | | Demonstrate email use through whole class project |
| 2 | | | Use variety of media to communicate ideas effectively. |
| | 1 | | Introduce various forms of communication |

Educational Technology Grade 2

5 Technology Research Tools

- | | | | |
|---|---|--|---|
| 1 | | | Use technology to collect information. |
| | 1 | | Use electronic card catalog/Mandarin search |
| 2 | | | Use technology tools to process data. |
| | 1 | | Use calculators for problem solving |
| 3 | | | Select and evaluate appropriate resources. |
| | 1 | | Select appropriate software resources for research projects |

6 Technology Problem Solving and Decision-Making Tools

- | | | | |
|---|---|--|--|
| 1 | | | Use technology for solving problems and decision-making. |
| | 1 | | Use software that promotes critical thinking |
| | 2 | | Manipulate spatial relationships to solve problems |
| 2 | | | Use technology to create problem solving strategies. |
| | 1 | | Use technology to solve problems |

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 3

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Demonstrate basic operation and network access
 - 2 Identify computer components
 - 3 Identify Technology Components
 - 4 Differentiate between network and local drives
- 2 Students are proficient in the use of technology.
 - 1 Make use of basic input devices
 - 2 Use right mouse button functions
 - 3 Receive formal keyboarding instruction

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal tech issues.
 - 1 Discuss advantages and disadvantages of technology
 - 2 Gain awareness of direct impact of technology advancements
- 2 Practice responsible use of technology systems.
 - 1 Receive Internet training and certification
- 3 Develop positive attitudes toward technology.
 - 1 Discuss ways technology is used in modern society
 - 2 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Receive instruction on use of Reading Counts
 - 2 Create an original picture using a graphic program
 - 3 Learn to use digital camera
 - 4 Integrate software/technology into each subject area
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Introduction of desktop publishing
 - 2 Use story writing software
 - 3 Introduce office word processing software

4 Technology Communications Tools

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

- 1 Use telecommunications to interact with others.
 - 1 Exposure to key-pal or other e-mail project

- 2 Use variety of media to communicate ideas effectively.
 - 1 Exposure to communication software

Educational Technology Grade 3

5 Technology Research Tools

- 1 Use technology to collect information.
 - 1 Utilize electronic library resources

- 2 Use technology tools to process data.
 - 1 Use calculators for problem solving

- 3 Select and evaluate appropriate resources.
 - 1 Select appropriate software resources for research projects

6 Technology Problem Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making.
 - 1 Use software that promotes critical thinking
 - 2 Manipulate visual/spatial relationships to solve problems

- 2 Use technology to create problem solving strategies.
 - 1 Use technology to solve problems

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 4

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Reinforce basic computer operation and network access
 - 2 Reinforce differences between network and local drives
- 2 Students are proficient in the use of technology.
 - 1 Reinforce keyboarding skills
 - 2 Introduction of multi-tasking functionality

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal tech issues.
 - 1 Predict future of technology
 - 2 Reinforce appropriate rules for the use of technology
- 2 Practice responsible use of technology systems.
 - 1 Receive Internet training and certification
- 3 Develop positive attitudes toward technology.
 - 1 Introduce how computers are used in the workplace
 - 2 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Receive instruction on use of Reading Counts
 - 2 Utilize digital and video cameras
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Create an original picture using a graphic program
 - 2 Use office standard, word processing software
 - 3 Introduce spreadsheet concepts and skills
 - 4 Use story writing software
 - 5 Use desktop publishing software

4 Technology Communications Tools

- 1 Use telecommunications to interact with others.
 - 1 Introduction and use of communication software
- 2 Use variety of media to communicate ideas effectively.
 - 1 Create a original multimedia presentation

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 4

5 Technology Research Tools

- 1 Use technology to collect information.
 - 1 Utilize electronic library resources
- 2 Use technology tools to process data.
 - 1 Use calculators for problem solving
- 3 Select and evaluate appropriate resources.
 - 1 Select appropriate software resources for research projects
 - 2 Introduce age appropriate Internet search tools

6 Technology Problem Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making.
 - 1 Expose students to logic and programming concepts and skills
 - 2 Manipulate visual/spatial relationships to solve problems
- 2 Use technology to create problem solving strategies.
 - 1 Use technology to solve problems

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

STD GOAL OBJ DESCRIPTION

Educational Technology Grade 5

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems.
 - 1 Reinforce basic computer operation and network access
 - 2 Reinforce differences between network and local drives
- 2 Students are proficient in the use of technology.
 - 1 Reinforce keyboarding skills
 - 2 Use of multi-tasking functionality

2 Social Ethical and Human Issues

- 1 Understand ethical, cultural and societal tech issues.
 - 1 Reinforce appropriate rules for the use of technology
 - 2 Gain understanding of acceptable use of reproduced material
- 2 Practice responsible use of technology systems.
 - 1 Receive Internet training and certification
- 3 Develop positive attitudes toward technology.
 - 1 Gain awareness of various high technology careers
 - 2 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning.
 - 1 Receive instruction on use of Reading Counts
 - 2 Utilize scanners, digital and video cameras
 - 3 Introduce basic photo editing skills
- 2 Collaborate in constructing technology-enhanced models.
 - 1 Use story writing software
 - 2 Use office standard, word processing software
 - 3 Comprehension of basic spreadsheet concepts and skills
 - 4 Receive formal instruction in desktop publishing software

4 Technology Communications Tools

- 1 Use telecommunications to interact with others.
 - 1 Understand and use of communication concepts and skills
- 2 Use variety of media to communicate ideas effectively.
 - 1 Create an original multimedia presentation

Barker Central School District Educational Technology Expectations

Grades Pre-K through 5

<u>STD</u>	<u>GOAL</u>	<u>OBJ</u>	<u>DESCRIPTION</u>
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	2		Participate in video announcements
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Educational Technology Grade 5

5 Technology Research Tools

- | | | |
|---|---|--|
| 1 | | Use technology to collect information. |
| | 1 | Utilize electronic library resources |
| 2 | | Use technology tools to process data. |
| | 1 | Use calculators for problem solving |
| 3 | | Select and evaluate appropriate resources. |
| | 1 | Use age appropriate Internet search tools |
| | 2 | Critique websites for credibility and accuracy |

6 Technology Problem Solving and Decision-Making Tools

- | | | |
|---|---|--|
| 1 | | Use technology for solving problems and decision-making. |
| | 1 | Expose students to logic and programming concepts and skills |
| | 2 | Manipulate visual/spatial relationships to solve problems |
| 2 | | Use technology to create problem solving strategies. |
| | 1 | Use technology to solve problems |

Barker Central School District Educational Technology Expectations

Grades 6-8

<u>STD</u>	<u>GOAL</u>	<u>OBJ</u>	<u>DESCRIPTION</u>
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1	Basic Operations and Concepts		
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- | | |
|---|--|
| 1 | Understand nature and operation of technology systems. |
| 1 | Reinforce basic computer operation and network access |
| 2 | Reinforce differences between network and local drives |
| 2 | Students are proficient in the use of technology. |
| 1 | Reinforce keyboarding skills |
| 2 | Demonstrate basic computer concepts and skills |

2	Social Ethical and Human Issues		
----------	--	--	--

- | | |
|---|---|
| 1 | Understand ethical, cultural and societal tech issues. |
| 1 | Reinforce appropriate rules for the use of technology |
| 2 | Gain understanding of acceptable use of reproduced material |
| 2 | Practice responsible use of technology systems. |
| 1 | Receive Internet training and certification |
| 2 | Demonstrate appropriate computer network use |
| 3 | Develop positive attitudes toward technology. |
| 1 | Gain awareness of various high technology careers |
| 2 | Use computers collaboratively to promote cooperation |

3	Technology Productivity Tools		
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- | | |
|---|--|
| 1 | Use technology tools to enhance learning. |
| 1 | Receive instruction on use of Reading Counts |
| 2 | Utilize Skillsbank for Math/Language Arts |
| 3 | Utilize appropriate photo editing software |
| 4 | Create hyperlink documents |
| 5 | Utilize scanners and other peripheral devices |
| 2 | Collaborate in constructing technology-enhanced models. |
| 1 | Receive formal instruction on Microsoft Word Advanced Level |
| 2 | Receive formal instruction on Microsoft Excel Intermediate Level |
| 3 | Receive formal instruction on Microsoft Excel Advanced Level |
| 4 | Utilize advanced functions of Microsoft Excel |
| 5 | Receive formal instruction on Microsoft PowerPoint |
| 6 | Utilize Microsoft PowerPoint to create multimedia presentations |
| 7 | Use office standard, word processing software |
| 8 | Utilize desktop publishing software |
| 9 | Use software to create stories |

Barker Central School District Educational Technology Expectations

Grades 6-8

STD GOAL OBJ DESCRIPTION

4 Technology Communication Tools

- 1 Use telecommunications to interact with others.
 - 1 Telecommunications concepts and skills
 - 2 Use technology to collaborate with others
- 2 Use variety of media to communicate ideas effectively.
 - 1 Create an original multimedia presentation
 - 2 Participate in video announcements

5 Technology Research Tools

- 1 Use technology to collect information.
 - 1 Receive formal introduction to PASCO software/hardware
 - 2 Utilize PASCO software/hardware
 - 3 Receive formal instruction on using Internet search tools
 - 4 Use an Internet evaluation site document
 - 5 Utilize Internet as part of interdisciplinary project
 - 6 Utilize electronic library resources
 - 7 Utilize Intel Microscope software/hardware
- 2 Use technology tools to process data.
 - 1 Use calculators for problem solving
 - 2 Utilize PASCO/Excel to import/export data
 - 3 Use scientific calculators for problem solving
 - 4 Receive formal instruction on Microsoft Access Beginner Level
 - 5 Utilize graphing calculators
- 3 Select and evaluate appropriate information resources.
 - 1 Critique websites for credibility and accuracy
 - 2 Utilize appropriate Internet tools/sites

6 Technology Problem Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making.
 - 1 Use technology to solve problems
 - 2 Utilize online help systems
- 2 Use technology to create problem solving strategies
 - 1 Complete a Microsoft Excel empirical probability project
 - 2 Expose students to logic and programming concepts and skills
 - 3 Use interactive technology to solve problems

Barker Central School District Educational Technology Expectations

Grades 9-12

STD GOAL OBJ DESCRIPTION

1 Basic Operations and Concepts

- 1 Understand nature and operation of technology systems
 - 1 Reinforce basic computer operation and network access
 - 2 Reinforce basic computer concepts and skills
- 2 Students are proficient in the use of technology
 - 1 Reinforce keyboarding skills
 - 2 Use peripheral devices appropriately

2 Social, Ethical and Human Issues

- 1 Understand ethical, cultural and societal tech issues
 - 1 Examine the ethical, cultural and societal issues
 - 2 Reinforce appropriate rules for the use of technology
 - 3 Gain understanding of acceptable use of reproduced material
 - 4 Discuss advantages and disadvantages of technology use in the workplace
- 2 Practice responsible use of technology systems
 - 1 Receive Internet training and certification
- 3 Develop positive attitudes towards technology
 - 1 Explore various high technology careers
 - 2 Use computers collaboratively to promote cooperation

3 Technology Productivity Tools

- 1 Use technology tools to enhance learning
 - 1 Utilize Skillsbank for Language Arts
 - 2 Use technology to develop independent learning skills
 - 3 Receive formal instruction on graphic/video editing software
 - 4 Receive formal instruction on various music notation software
- 2 Collaborate in constructing technology enhanced models
 - 1 Use technology to manage information
 - 2 Use technology to publish written works
 - 3 Utilize the advanced features of productivity software
 - 4 Use AutoCAD to create original models

Barker Central School District Educational Technology Expectations

Grades 9-12

STD GOAL OBJ DESCRIPTION

4 Technology Communication Tools

- 1 Use telecommunications to interact with others
 - 1 Use electronic forms of communication
 - 2 Use technology to collaborate with others
 - 3 Receive opportunity to participate in distance learning lab activities
- 2 Use variety of media to communicate ideas effectively
 - 1 Use technology to develop multimedia projects
 - 2 Participate in video announcements

5 Technology Research Tools

- 1 Use technology to collect information
 - 1 Utilize PASCO software/hardware
 - 2 Participate in an interdisciplinary unit utilizing tech
 - 3 Utilize electronic library resources
- 2 Use technology tools to process data
 - 1 Utilize graphing calculators
 - 2 Use scientific calculators to solve problems
 - 3 Receive formal instruction in database/spreadsheet software
- 3 Select and evaluate appropriate information resources
 - 1 Use technology to develop information literacy skills
 - 2 Select and evaluate Internet tools/sites

6 Technology Problem-Solving and Decision-Making Tools

- 1 Use technology for solving problems and decision-making
 - 1 Use online help systems routinely and efficiently
 - 2 Use technology to solve problems
 - 3 Use technology to conduct data analysis
- 2 Use technology to create problem-solving strategies
 - 1 Use technology as part of a problem-solving process
 - 2 Utilize logic and programming concepts and skills

470 Requests for Barker Central School District

<u>Item</u>	<u>Validation for Use: Page Reference</u>
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