

Bragg Elementary School

Technology Plan for 2007-2008

Rough Draft

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Technology Plan Summary

Vision Statement

The staff at Mary Bragg values each student and is proudly committed to instilling a rich tradition of academic excellence and high expectations in every student. Students will be well-rounded, life-long learners with academic and social skills that empower them to be responsible, contributing members in an ever changing world.

Mission Statement

The Mary Bragg Elementary School Staff provides an exceptional standards-based instructional program that motivates students towards becoming independent critical thinkers and life-long learners. Our school fosters the importance of the school-home partnership that values commitment to learning. Our staff and community share the goals of preparing students to become productive and responsible participants in a complex, **technology** based society, together with becoming respectful, informed, and caring citizens in a culturally diverse world.

Bragg Elementary is part of ABC Unified School District and which is committed to the ongoing development of infrastructure, hardware, software, and quality professional development related to these resources in order to implement all of these efforts successfully within the learning environments of our children. Staff will be able to prepare students to effectively and efficiently communicate, problem solve, and function in the 21st century.

Technology Goals

Bragg is committed to ABC Unified District Standards as reflected in our technology goals.

Student Goals

- Ensure equal access to technology
- Improve all student learning outcomes, from remedial to gifted
- Increase the rate of learning and retention for all students
- Support the more personalized learning opportunities designed to address the individual needs of students who are from “at risk” situations, as well as those students who would benefit from enriched instruction
- Produce students who are better prepared to meet the demands of the information age

Staff Goals

- Provide on-going staff development activities to ensure successful implementation of new programs and use of equipment
- Provide a wide variety of technological equipment (lap tops, student labs, projectors, scanners, printers) to support teachers’ instructional goals
- Provide technology-based tools (ABI, Data Director, Report Card Maker) which allow easier access to student information and provides a higher level of staff support and productivity
- Provide equipment and programs (school website, newsletter) to facilitate school-home communication

Parent/Community Goals

- Increase school-home communication through school website
- Provide parents and the community with information about the curriculum and the integration of technology into the instructional program

Infrastructure, Hardware, Technical Support, & Software Goals

- Develop and maintain an infrastructure that will support a standards-based technology curriculum and related professional development objectives.
- Obtain the technology hardware, electronic learning resources, networking and telecommunications infrastructure, and technical support needed by the site’s teachers, students, and administrators.
- Student to computer ratio of 2:1
- Repair, replace, and maintenance of infrastructure
- Standardization of hardware as funding allows

Curriculum

Technology will be used in a seamless manner to support and extend core curriculum objectives and to engage students in meaningful learning.

Curriculum Goals

- Use technology to improve teaching and learning(technology components of state adopted social studies and science curriculums, Larson and Math Flash programs for mathematics, AIMS Web, SRA, Lexia, and SRI for language arts.
- Students will acquire technological and information literacy skills needed to succeed in the classroom.
- Teachers will utilize technology (Data Director and Report Card Maker) to make student recordkeeping and assessment more efficient and allow for teachers to spend more time planning curriculum to meet individual student's needs.
- Teacher and staff email addresses and school website <http://www.braggbobcats.org> will allow teachers and administrators to be more accessible to parents.

Professional Development

Teacher quality is the factor that matters most for student learning therefore professional development for staff becomes the key issue in using technology to improve the quality of learning in the classroom.

Ongoing, sustained professional development will be provided for teachers and other staff that focuses on improving student learning. Teachers and staff will use technology that enables them to provide students with engaging standards-based content within their classroom routine. Teachers and staff will be provided with professional development that helps them effectively use technology as a tool to improve student achievement in core curriculum.

District provides high-quality professional development for the newly implemented social studies and science curriculums, Data Director, and other adopted and implemented technologies.

Site Technology Coordinator (STC) will provide professional development to teachers and staff through learning/sharing sessions during staff meetings and offer individual assistance when necessary. Staff trainings will generally be comprised of the most recently adopted and implemented technologies.

Infrastructure, Hardware, Technical Support, and Software

Infrastructure & Hardware

All students, teachers, and staff have access to computers during traditional school hours in classrooms, computer labs, as well as in our library media center. Students also access computers during non-traditional hours through after-school interventions, during daycare, and through the library media center. Mary Bragg is close to creating a 2:1 student-to-computer ratio for all K-6 grade classrooms. Teachers have access to digital projector in the C-center (6th grade shares one projector), scanners, digital cameras, printers, and networked software.

All k-6 teachers have a multi-media laptop computer with internet access and a laser printer in their classrooms. Mary Bragg’s office has computers and shared printers for staff to use. All teachers and staff can access their school email accounts and school webpages via any web browser. Teachers and staff can access their student files from any computer on the network via the Aeries Login.

Site server provides services such as student and teacher digital lockers (work storage and retrieval), patches, updates to the Operating System, anti-virus scanning, software images, and Altiris to remotely access to teacher and student computers by STC and District I.T. department.

Technology Inventory

Computers	Site Server: HP DL-380
	Administrator:
	Teachers: 27 Laptops HP Compaq 6170b, NC6320
	Support Staff: Miscellaneous Desktops
	Student/Instructional: K-2 Labs – 20 HP Compaq DC5700 desktops 3 rd Grade Lab – 20 donated PC desktops 4 th Grade Lab – 32 donated PC desktops 5 th Grade Lab – 34 donated PC desktops 6 th Grade Lab – 36 donated PC desktops Intervention Classrooms – 24 Apple IBooks
	Library: 8 HP Compaq 1502 desktops
Other Technology	2 Projectors (working)
	DVD Players
	Digital Cameras

Printers	27 - HP LaserJet 1020
	1 – Brother DCP8060 Copier, Printer, Scanner
	1 - LaserJet 1300n
	1 - HP LaserJet 5m
	1 - HP LaserJet 2200dtn
	6 - HP DeskJet D4160
	1 – Tektronix Phaser 560Color

Internet	Site Network: Full T1
	DLink Wireless Access Points (WAP) w/ static IP address
	Wireless 802.11b/g network cards
	Switches and routers

Software	PC: Windows 2000, XP
	Mac: OS
	Browsers: Internet Explorer, Firefox, Safari
	Office 2003
	Accelerated Reader
	Adobe Acrobat Reader
	AIMS Web
	Athena (Library)
	Eagle/Aeries
	Groupwise (Email)
	Iron Head Math Flash
	Larson Math
	Lexia (free trial period)
	Lightspeed Systems Filter

	McAfee Security Virus Protection Software
	Report Card Maker
	SRI/SRA/Reading Counts
	Web Plug-ins: Quicktime, Flash Player, Shockwave
	Windows Media Player
	WinZip

Obsolete Software	Clue Finders 3 rd -4 th Grade
	Clue Finders Search and Solve Adventure
	KidPix
	MathKeys
	Mavis Beacon Teaches Typing
	Millie's Math House
	Reader Rabbit Preschool-2 nd grade editions
	Sticky Bear Typing
	Trudy's Time and Place House
	Type to Learn
	Word Munchers Deluxe

Technical Support

Site Technology Coordinator (STC) will provide the first point of contact for technical support problems. Altiris will be used by STC to provide teachers and students assistance remotely.

District I.T. department will provide the training, leadership and secondary support to Bragg in the form of computer images, operating system updates, patches and application installations.

Network links most computers to an "instructional server". This server maintains student and teacher accounts, saves instructional data within digital lockers and provides the opportunity for teachers to receive remote assistance (Altiris) from STC and from District I.T.

Funding and Budget

Sources of funding used to help ensure that students have access to technology, to prepare staff to effectively integrate technology into curricula and instruction, include

Funding and Budget Goals

- Identify all costs associated with implementing plan
- Identify the current budget
- Identify established and potential funding sources
- School Funds
- PTA
- Community Donations
- Refresh Monies
- Identify potential methods for reducing costs
- Donations
- Repair, replace, and maintenance of infrastructure
- Apply for appropriate technology grants
- Develop and implement annual budget for term of the plan
- Provide ongoing technical support
- Site technology Coordinator
- District I.T. Team

Monitoring and Evaluation

The effectiveness of the plan in integrating technology into curricula and instruction, increasing the ability of teachers to teach, and enabling students to reach state academic standards will be monitored and evaluated.

Overall Management and Coordination

- Manage and coordinate staff development
- Manage and coordinate hardware acquisition and installation
- Manage and coordinate hardware acquisition and installation
- Coordinate ongoing partner involvement
- Collect data regarding students' computer skills
- Collect data regarding students' academic achievement
- Collect staff development data on technology proficiencies
- Collect data regarding staff development focused on student computer knowledge and skills