

GOAL FIVE (Draft): Promote initiatives that provide school staff, teachers, principals, and administrators with the capacity to integrate technology effectively into curricula and instruction that are aligned with challenging academic content and Massachusetts curriculum standards through such means as high quality professional development training.

Objectives	Key Actions	Performance Indicators	Person(s) Responsible	Timeline
<p>Objective 1: Work toward meeting the Revised Massachusetts Recommended K-12 State Instructional Technology Benchmark Standards</p>	<p>Review and revise elementary, middle, and high school technology program to improve alignment with technology curriculum frameworks</p>	<p>Elementary, middle, and high school benchmarks established and recorded and distributed to Technology Instructional Technology teachers at the elementary, middle, and high schools</p>	<ul style="list-style-type: none"> • District Technology Coordinator; • Instructional Technology teachers 	<p>07/01/07-06/30/10</p>
	<p>Provide keyboarding instruction to students in grades 3-8</p>	<p>Student type 25 words per minute by grade 6</p>	<ul style="list-style-type: none"> • Instructional Technology teachers 	<p>09/07-06/30/10</p>
	<p>Establish District-wide benchmarks for technology integration</p>	<p>Benchmarks established</p>	<ul style="list-style-type: none"> • District Technology Coordinator; • Instructional Technology teachers 	<p>07/01/07-06/30/10</p>
	<p>Identify, develop and use instruments to assess student technology performance according to established benchmarks</p>	<p>Instruments established</p>	<ul style="list-style-type: none"> • District Technology Coordinator; • Instructional Technology teachers 	<p>07/01/07-06/30/10</p>
	<p>Integrate technology into classroom activities in support of differentiated instruction to meet the needs of diverse learners</p>	<p>Teachers use technology to differentiate instruction and support classroom teaching</p>	<ul style="list-style-type: none"> • Classroom teachers 	<p>07/01/07-06/30/10</p>

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<p><u>Objective 2:</u> Offer professional development training for faculty and staff in technology use and applications to support teaching, learning, assessment, technology integration, and parent communication</p>	<p>Implement technology professional development training</p>	<p>Train elementary, middle, and high school faculty and staff in key District applications including Moodle (an online course management system)</p>	<ul style="list-style-type: none"> • District Technology Coordinator • District Technology Instructional Technology teachers; • Consultants as needed 	<p>07/01/07-06/30/10</p>
	<p>Provide access to updated research in teaching and learning through electronic and digital means</p>	<p>Provide Internet and video-conferencing course access for out-of-District professional development opportunities for teachers, staff and administrators</p>	<ul style="list-style-type: none"> • District Technology Coordinator • District Technology Instructional Technology teachers; • Consultants as needed 	<p>07/01/07-06/30/10</p>
	<p>Mentor District technology integration specialists</p>	<p>Elementary, middle, and high school faculty and staff use technology, software applications and email in support of student learning</p>	<ul style="list-style-type: none"> • District Technology Coordinator • District Technology Instructional Technology teachers; • Consultants as needed 	<p>07/01/07-06/30/10</p>

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	Provide online learning opportunities	Administrators, teachers and staff use <i>GPSK12Online</i> for online course delivery and to supplement classroom instruction	<ul style="list-style-type: none"> • District Technology Coordinator 	01/08-06/30/10
	Develop a District Staff AUP (Acceptable Use Policy)	Staff AUP developed	<ul style="list-style-type: none"> • District Technology Coordinator 	01/08-06/30/10

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<p>Objective 3: Provide and maintain hardware and software to support academic programs and initiatives</p>	<p>Identify and use hardware and software in support of teaching and learning</p>	<ul style="list-style-type: none"> • Teachers complete Technology Use Survey identifying how they use technology for lesson planning, administrative tasks communications, collaboration, student instruction, and data-driven decision-making • District Technology Coordinator and Instructional Technology teachers share information about with their respective building principals and teachers 	<ul style="list-style-type: none"> • District Technology Coordinator; • Instructional Technology teachers 	<p>07/01//07-06/30/10</p>
	<p>Review and revise hardware and software installations in District in consultation with teachers, staff and administrators</p>	<p>Regular use of hardware and software in labs, classrooms, and administrative offices</p>	<ul style="list-style-type: none"> • District Technology Coordinator • Network Administrator; and • Network Technician 	<p>07/01//07-06/30/10</p>
	<p>Keep pace with emerging technologies</p>	<ul style="list-style-type: none"> • District Technology Coordinator and Instructional Technology teachers attend conferences, workshops and presentations addressing the benefits of technology integration for teaching and learning • District Technology 	<ul style="list-style-type: none"> • District Technology Coordinator; • Instructional Technology teachers 	<p>07/01//07-06/30/10</p>

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		Coordinator and Instructional Technology teachers share information about emerging technologies with building principals and fellow teachers		

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<p>Objective 4: Use the Internet to communicate with Administrators, Teachers, Staff, Students, Parents and Community Members</p>	District Web site	Maintain and regularly update District Web site with information for Administrators, Teachers, Staff, Students, Parents and Community Members	<ul style="list-style-type: none"> District Technology Coordinator 	07/ 1/07-06/30/10
	School Web sites	Maintain and regularly update School Web site with information for Administrators, Teachers, Staff, Students, Parents and Community Members	<ul style="list-style-type: none"> Tech Corp representative at each school 	07/01/07-06/30/10
	Activate and use PowerSchool for Parents	All high school and middle school parents and guardians have access to their child(ren)'s grades, attendance, Daily Bulletin, class assignments	<ul style="list-style-type: none"> District and State SIS (Student Information Services) Coordinators 	At high school already; 09/07 for Middle School
	Use PowerSchool to share student information with administrators, teachers and support staff	<ul style="list-style-type: none"> PowerSchool "Admin access" given to support staff (including psychologists, mediation specialists, behaviorists, curriculum coordinators, nurses, SPED personnel); Parents can logon a teacher's name within the PowerSchool "Grades and Attendance" screen be forwarded to a page to send email to classroom teacher (if they have a local email client installed on their computer) 	<ul style="list-style-type: none"> District and State SIS (Student Information Services) Coordinators 	At high school already; 09/07 for Middle School

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	Participation in a Web-based state-wide data warehouse	Upload local assessment and other data into the state data warehouse	<ul style="list-style-type: none"> • District Technology Coordinator • SIS Coordinator/ State 	07/01/07-06/30/10

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Objective 5: Maintain network stability and data integrity throughout the District	Provide redundant backup services	Integrate additional external storage media devices as needed to hold user data	<ul style="list-style-type: none"> Network Administrator and Technician 	07/01/07-06/30/10
	Network intrusion prevention	Install firmware, security, and software version updates as they become available	<ul style="list-style-type: none"> Network Administrator and Technician 	07/01/07-06/30/10
	Safeguard user data	<ul style="list-style-type: none"> Maintain building-level firewalls to keep out network intruders; Install and regularly update antivirus and anti-spyware software 	<ul style="list-style-type: none"> Network Administrator and Technician 	07/01/07-06/30/10
	Acquire, maintain, and improve effective technology infrastructure to expand technology access for teachers, students, staff and administrators	Add additional data jacks and switches to accommodate increased need in classrooms and offices	<ul style="list-style-type: none"> Network Administrator and Technician 	07/01/07-06/30/10
	Improve access to SIS database for teachers, staff and administrators	Install and maintain PowerSchool SIS updates and patches for improved performance and added security	<ul style="list-style-type: none"> Network Administrator and Technician 	Installed 07/06; upgrades as released 2007-2010
	Apply a TCO (Total Cost of Ownership) model to District technology to identify multimedia equipment needs, evaluate usage costs and options, and purchase products that reflect District Vision and Mission	Annual technology budget will include cost of hardware and software plus usage, installation and setup, maintenance, support, licensing, personnel and professional development training	<ul style="list-style-type: none"> Director of Business Services; District Technology Coordinator 	11/2007-6/30/10