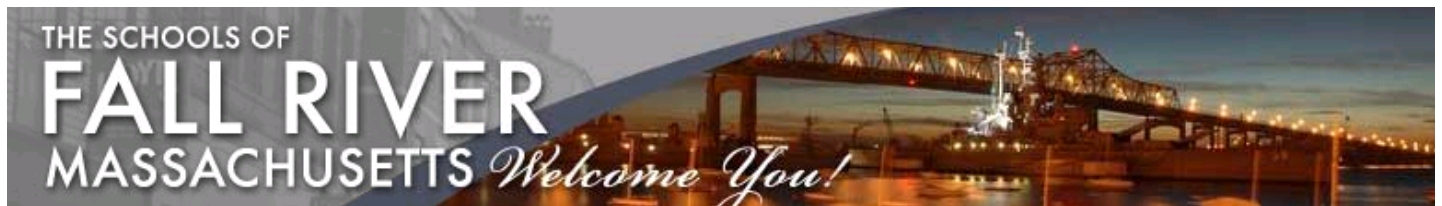


# 2013-2017 TECHNOLOGY PLAN



## FALL RIVER PUBLIC SCHOOLS FALL RIVER, MASSACHUSETTS

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[www.fallriverschools.org](http://www.fallriverschools.org)

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## Elements of a Successful Technology Plan

- + Establish clear goals and realistic strategies for using telecommunications and information technology to improve education services.
- + Include an assessment of telecommunication services, hardware, software, and other services needed to improve education services.
- + Allocate sufficient funds to acquire and support elements of the plan , including telecommunications, hardware, software, professional development, and other support needed to implement the strategies.
- + Provide professional development strategies to ensure the staff knows how to use new technologies to improve education services
- + include an evaluation process to monitor progress toward the goals and a process that allows for mid course correction in response to new developments and opportunities as they arise.

**The Massachusetts Department of Elementary & Secondary Education provides resources to districts on creating and sustaining technology plans for school districts. Information can be found**

**at:**

**<http://www.doe.mass.edu/edtech/planning.html>**

## OVERVIEW

Our technology plan, will guide the design, attainment, and changes of the infrastructure, hardware, software, and instructional support system that will enable us to achieve these goals. Our schools will further leverage their technology to make progress on many levels. We will be better able to utilize appropriate resources, gather reliable assessment data, and fulfill management responsibilities. Additionally, our staff will be better able to individualize and integrate instruction and address different learning styles. Finally, we will be able to expand our ability to communicate with students, parents, business partners, and the community.

As advances in technology move forward, schools must sustain flexible, vigorous plans to meet the challenge these developments present. This new Technology Plan not only confirms our commitment to the districts mission, but also expands upon it to insure that technology also enhances learning, instruction, communication, professional development, and information management.

## OUR SCHOOLS

Thanks to a long-term effort on the part of the city, school department and the Commonwealth of Massachusetts, the Fall River Public Schools has been involved in a consolidation effort, bringing the total number of elementary schools down from twenty-eight as recently as the 1990s to nine today: Spencer Borden Elementary in the southern Highlands, John J. Doran Elementary in the downtown area, Mary L. Fonseca Elementary in the Flint, William S. Greene Elementary near the city's center, Alfred S. Letourneau in the Maplewood neighborhood, Frank M. Silvia Elementary in the far North End, James Tansey Elementary in the middle Highlands, Carlton M. Viveiros Elementary in the South End, and James Watson Elementary in the lower Flint. Of the old twenty-eight, only Watson and Tansey remain in their original buildings; Silvia was relocated from its old location downtown to a new building in the northern part of the city, and the other five were rebuilt on the sites of their original schools.

There are three middle schools: Matthew J. Kuss Middle School (which was relocated to the west side of the city), , James Morton Middle School (serving the North End), and Edmond P. Talbot Middle School (serving the east side of the city).

There are approximately 10,000 students and 1,500 staff who work in our buildings each day. Over the past several years the population of school age students in the city has resulted in a drop of 2,000 students over the past decade. but has held steady around 10,000 for the last three years.

## MISSION STATEMENT

*The Fall River Public Schools are committed to the belief that all students will be successful learners and will be prepared to function as citizens, workers and consumers in a technological society.*

We believe...

- technology enhances the quality and scope of teaching and learning
- all stakeholders will receive equitable access to technology
- technology should be integrated across the curricula to maximize effective and meaningful instruction
- Through the expanded use of digital media, assistive technologies, and universally designed instruction, diverse learners have access to the curriculum, including those with learning and communication disabilities, cognitive impairments, visual and auditory impairments, and physical challenges.
- administrators, staff, and students must be provided with the appropriate tools, instruction and methodology to fully integrate technology in the education process
- technology resources must continually be evaluated, assessed, and upgraded to ensure maximum opportunity for all learners to be competitive in a technological world
- all learners will have the opportunity, through technology, to reach their full potential and lead lives as participants in the political and social life of the Commonwealth and as contributors to its' economy.

## CURRENT STAFFING (2011-2012 SCHOOL YEAR)

CTITLE	LOCATION
School Information Coordinator 1 FTE	District
Director of Instructional Technology/Webmaster 1 FTE	District
Tech Support Center Technician 1.8 FTE	District
District Technology Facilitator 3.0 FTE	District
Data Specialist / Tech Support Center Manager 1 FTE	District
Data Technicians 3 FTE	District
Educational Television Studio/Audio Visual Staff – 5 FTE	High School
Science/Engineering/Technology Education Teachers – 8 FTE	High School
Instructional Media Specialists 1 FTE	High School
	High School
Technology Education Teachers - 5 FTE	Middle School
Instructional Technology Specialists – 7 FTE	Elementary Schools
Tech Support Center Support Services - .75 FTE	Contracted Services
Network Engineer Services - .5 FTE	Contracted Services
Active Directory Services - .25 FTE	Contracted Services

# BENCHMARK 1

## Commitment to a Clear Vision and Implementation Strategies

**A. The district's technology plan contains a clearly stated and reasonable set of goals and implementation strategies that align with the district-wide school improvement plan. The district is committed to achieving its vision by the end of the school year 2012-2013.**

### VISION

1. Technology will be incorporated into the daily management and operation of classrooms, schools, and the Central Office. It will also serve as an essential element of School Improvement Plans and The District Improvement Plan.
2. All classrooms, libraries, and school offices will be sufficiently equipped and configured to provide all members of the learning community, including students, staff, and parents, with easy and equitable access to emerging and expanding information technologies.
3. Provide training opportunities to ensure our staff has the appropriate competencies and support needed to use educational technology to deliver instruction. To deliver online professional development.
4. Educational technology will be integrated into the curriculum and used in an equitable manner by all students as an essential element of student success.
5. Facilitate inclusive schooling using print-based text combined with the most current universally designed materials and assistive technologies including digital text, digital media, and computer technologies.
6. Both students and staff will achieve a level of proficiency in using information technologies.
7. Ensure that students with disabilities receive appropriate assistive technology materials in order to access the curriculum and participate in state and district assessment protocols.

**B. The district has a technology team with representatives from a variety of stakeholder groups, including school committee members, administrators, and teachers. The technology team has the support of the district leadership team.**

Team Member	Role
Meg Mayo-Brown	Superintendent of Schools
Thomas Coogan	Chief Operating Officer
Fran Roy	Assistant Superintendent
Brian Mikolazyk	School Information Coordinator
Frank Farias	Director of Instructional Technology/Webmastes
Scott Cabral	Tech Support Center Technician
Nicole Medeiros	District Technology Facilitator – Middle Schools
Brad Silva	District Technology Facilitator – High School
Rene Kochman	Fall River Educational Television
Fatima Silva	Director of Assessment
Christie Connell	District Technology Facilitator – Elementary Schools
Joyce Landry	Tech Support Center Manager / Data Specialist
Mark Garceau	Office of Instruction

**EVIDENCE OF SUCCESS WILL BE FILLED IN EACH SCHOOL YEAR BEGINNING IN 2014**

**NEEDS ASSESSMENT**

**The district assesses the technology products and services that will be needed to improve teaching and learning.**

<b>CURRENT STATUS</b>	1. All equipment and software is coordinated by the district Teh & Info Management Office 2. Follow existing procurement and approval policies established by City of Fall River and Fall River School Committee. 3. <u>Comply with all E-Rate guidelines for review and selection of services and products.</u>
<b>OUR GOALS</b>	1 Review all new software and equipment purchases with Office of Instruction 2. Create and update long term replacement cycle.
<b>EVIDENCE OF SUCCESS</b>	

**The technology plan includes an assessment of the services and products that are currently being used and that the district plans to acquire.**

<b>CURRENT STATUS</b>	1. Instructional staff are asked to complete an on-line survey that allows them to provide feedback on hardware, software and equipment being used in schools. 2. New products and services are reviewed internally first before making recommendations to the district and school administration.
<b>OUR GOALS</b>	1. Report out annually to District Leadership Team 2. Encourage feedback from instructional staff through dedicated email address and use of Tech Support Center. 3. Create and send out annually a staff survey to see what they need and review against what we provide
<b>EVIDENCE OF SUCCESS</b>	

**The district has a CIPA-compliant Acceptable Use Policy (AUP) regarding Internet and network use. The policy is updated as needed to help ensure safe and ethical use of resources by teachers and students.**

<b>CURRENT STATUS</b>	<p>The Fall River School Committee approved our Acceptable Use Policy, that adheres to CIPA regulations in June 2012. There are 5 versions of the AUP for our school community. Schools work in conjunction with the Instructional Technology Facilitators to insure that CIPA and our AUP are covered with students each year. Our full Acceptable Use Policy and the following AUP signature pages are posted at <a href="http://www.fallriverschools.org/technology.cfm">www.fallriverschools.org/technology.cfm</a></p> <ul style="list-style-type: none"> <li>a. Elementary</li> <li>b. Secondary Level</li> <li>c. Staff</li> </ul> <p>Staff are required to sign and follow the AUP when hired or when the AUP is modified. Students must sign the appropriate AUP policy each school year with school's maintaining records in the building.</p>
<b>OUR GOALS</b>	1. Create electronic methods to sign off on forms for students like we do with staff 2. Increase opportunities to educate our families on the AUP and expectations of our school community. 3. Insure our AUP stays in up to date with all CIPA and E-RATE changes. 4. Continue to post our AUP policies in schools and on our website. 5. Review all policies to incorporate BYOD and FRPS 247 initiatives
<b>EVIDENCE OF SUCCESS</b>	

**Budget**

**The district has a budget for its local technology plan with line items for technology in its operational budget.**

<b>CURRENT STATUS</b>	<ol style="list-style-type: none"> <li>1. The Fall River Public Schools through the operating budget and Title grants commits funding to implement the goals of the district technology plan.</li> <li>2. At the district level, lines items are clearly identified for technology staff leadership, support staff, instructional technology teachers, technology contractual services and maintenance and supplies.</li> <li>3. Each school also budget lines that provide resources for technology purchases, staffing and professional development.</li> </ol>
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Commit to funding of minimum classroom standards model for all classrooms</li> <li>2. Develop a district technology life cycle replacement plan that is supported in the budget process.</li> <li>3. REcommend minimum budget each spring to support all new initiatives.</li> <li>4. Aagresively explore opportunities for budgeting for PARCC testing.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

**The budget includes staffing, infrastructure, hardware, software, professional development, support, and contracted services (including telephone services).**

<b>CURRENT STATUS</b>	<ol style="list-style-type: none"> <li>1. At the district level, lines items are clearly identified in MUNIS for technology staff leadership, support staff, instructional technology teachers, technology contractual services and maintenance and supplies. Our current and draft budget (including line items) are posted online for review at: <a href="http://www.fallriverschools.org/cfo.cfm">http://www.fallriverschools.org/cfo.cfm</a></li> <li>2. Each school also budget lines that provide resources for technology purchases, staffing and professional development.</li> </ol>
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Post separate documents on updating each school network and anticipated cost as part of long range planning</li> <li>2. Recommend all tech budgets be centralized to insure equitable across schools and transparent initiatives</li> <li>3. Increase to staffing or reallocating of staffing is necessary over next few years</li> <li>4. Assume lead in PARCC readiness and procurement.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

**The district seeks funding for technology programs frpm federal,state and private resources as well as from academic departments that are supported by technology. The district explores ways technology can reduce costs and create efficiencies**

<b>CURRENT STATUS</b>	<ol style="list-style-type: none"> <li>1. Currently apply for telephones, basic maintenance, internet access and internal connection projects annually under the E-Rate program. In 2009-2010 school year, over \$2 million in services and upgrades were provided to the FRPS at an 80-90% E-RATE discount level.</li> <li>2. District annual applies for private, federal and state grant opportunities to enhance technology, teaching and learning.</li> <li>3. Savings gained from E-RATE awards allows the district to direct resources to providing/upgrading end-user equipment.</li> </ol>
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Keep Technology Plan up to date which is a requirement for most grant and E-Rate opportunities.</li> <li>2. Seek out beneficial grant opportunities for the district and/or schools.</li> <li>3. Become proactive in working with area businesses who may be a resource for financial or in-kind donations to the enhance technology.</li> <li>4. Review district procedures that can be enhanced bu technology and recomenf to District Leadership Team.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

**For districts that plan to apply for E-rate reimbursement, the technology plan specifies how the district will pay for the non-discounted portion of their costs for the services procured through E-rate.**

<b>CURRENT STATUS</b>	<ol style="list-style-type: none"> <li>1. Each year, the FRPS operating budget has contributes the necessary funds to pay for the all Priority 1 and Priority 2 services and products under the E-Rate program.</li> </ol>
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	2. All E-Rate filings are presented as part of annual MIS budget or other funding sources as needed
<b>OUR GOALS</b>	1. Continue to work with the Business Office to insure all E-Rate items and correctly marked in MUNIS. 2. Annually review the changes made to the E-Rate program to determine what new services we can apply for and which ones are no longer eligible. 3. Keep Technology Plan up to date which is a requirement for most grant and E-Rate opportunities.
<b>EVIDENCE OF SUCCESS</b>	

**Evaluation**

The district routinely consults with technology staff before purchasing technology items to ensure that the items are appropriate, cost effective and sustainable.

<b>CURRENT STATUS</b>	1. All purchases for equipment and software are vetted by tech staff first
<b>OUR GOALS</b>	1 Continue to review all equipment and software under consideration. 2. Ceate online order request form that is reviewed by Office of Instruction
<b>EVIDENCE OF SUCCESS</b>	

**Evaluation**

The district technology plan includes an evaluation process that enables it to monitor its progress to achieve its goals and make mid-course corrections in response to new opportunities.

<b>CURRENT STATUS</b>	1. Any substantial changes or recommendations are brought up for discussion at district leadership team and/or principals meetings.
<b>OUR GOALS</b>	1. Continue current practices and use feedback from staff and student surveys
<b>EVIDENCE OF SUCCESS</b>	

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## BENCHMARK 2

### Technology Integration and Literacy

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**Technology Integration<sup>1</sup>**

**Outside Teaching Time - At lea90% of teachers use technology every day, including some of the following areas: lesson planning, administrative tasks, communications, and collaboration. Teachers share information about technology uses with their colleagues.**

<b>CURRENT STATUS</b>	1. Fall River is not fully meeting this goal a. internet access in all classrooms and offices. b. submit grades electronically at grade 6-12. c. are encourage to communicate through email and use resources of Moodle. d. have access to classroom computers and/or school labs. e. <u>post attendance daily.</u>
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<sup>1</sup> The Massachusetts Department of Education defines technology integration as the daily use of technology in classrooms, libraries, and labs to improve student learning.

<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. fully change to electronic grading at the elementary level.</li> <li>2. increase the use of teacher webpages using our content manager</li> <li>3. Continue to maintain and expand our Moodle intranet site.</li> <li>4. Rollout the use of Gmail and Google Apps and support the use of the collaboration tools they offers.</li> <li>5. Fully implement the minimum classroom technology resources outlined in the next goal.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

**For Teaching and Learning - At least 90% of teachers use technology appropriately with students every day to improve student learning of the curriculum. Activities include some of the following: research, multimedia, simulations, data interpretation, communications, and collaboration (See the Massachusetts Recommended K-12 Instructional Technology Standards<sup>2</sup>).**

<b>CURRENT STATUS</b>	1. Evidence of this goal varies by school since many of the new schools were equipped with current technology that allows them to meet this goal.
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. At a minimum, provide each classroom in the district with: <ol style="list-style-type: none"> <li>a. an A-level PC computer with internet connection</li> <li>b. document camera, projector and speakers</li> <li>c. access for teachers to create their own web pages</li> </ol> </li> <li>2. Increase the use of interactive boards</li> <li>3. Phase in the use of email (Gmail) accounts for secondary level students and the collaboration tools of Google Apps for use between students and teachers.</li> <li>4. Provide additional research and lesson planning tools and how to use BYOD in classrooms.</li> <li>5. Develop online courses that can be offered to students through Moodle.</li> <li>6. Use more district approved software (Discovery, DReambox) to allow district to collect standard data for better review</li> <li>7. 911 vs 411 assistance for staff</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

### Technology Literacy

**At least 90% of eighth grade students show proficiency in all the Massachusetts Recommended PreK-12 Instructional Technology Standards for grade 8.**

<b>CURRENT STATUS</b>	<ol style="list-style-type: none"> <li>1. A survey of grade 8 teachers shows that we are currently not meeting the expectation 85% of students showing proficiency in the grade 8 technology standards.</li> <li>2. Currently the technology standards have been embedded into the Science classes at each middle school.</li> </ol>
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Instructional Technology Facilitators will work with grade 8 classes on identifying areas of concern and develop training materials to increase the proficiency level of students.</li> <li>2. Survey will be sent directly to student provided Gmail accounts to collect responses electronically.</li> <li>3. Target resources to benefit areas of concern</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	Our goals are active works in progress.

**100% of teachers are working to meet the proficiency level in technology, and by the school year 2014-15. 90% of teachers will have reached the proficiency level as defined by the Massachusetts Technology Self-Assessment Tool (TSAT)<sup>3</sup>.**

<sup>2</sup> The Massachusetts Recommended K-12 Instructional Technology Standards are available on the Department's web site (<http://www.doe.mass.edu/edtech/standards.html>).

<sup>3</sup> The Technology Self-Assessment Tool is available as an interactive tool on MassONE, as well as a printable PDF checklist ([http://www.doe.mass.edu/edtech/standards/sa\\_tool.html](http://www.doe.mass.edu/edtech/standards/sa_tool.html)).

<b>CURRENT STATUS</b>	1. All teachers should be working on improving their technology proficiency level as part of their ongoing professional development plans. 2. The district currently offer a full catalog of summer technology offerings and uses Moodle to host <u>training resources on technology topics.</u>
<b>OUR GOALS</b>	1. Survey teachers annually starting with 2010, using the TSAT. 2. Create multiple types of professional development opportunities in the areas of concern through the TSAT survey results. 3. Develop online courses that can be taken by teachers in Moodle. 4. Increase the number of IT facilitators dedicated to work with staff directly.
<b>EVIDENCE OF SUCCESS</b>	

### Staffing

**The district has a district-level technology director/coordinator.**

	School Information Coordinator currently manages department and works in conjunction with the Office of Instruction.
<b>OUR GOALS</b>	1. Increase staffing to align with DESE guidelines 2. Hire Director of Instructional Technology to work as liaison between technology and schools
<b>EVIDENCE OF SUCCESS</b>	

**The district provides one FTE instructional technology teacher per 60-120 instructional staff.**

<b>CURRENT STATUS</b>	1. The district does not currently meet the state guidelines for instructional technology teachers. 2. Currently there is an one FTE dedicated to each school level and several on site teachers at various schools.
<b>OUR GOALS</b>	1. Add 3 additional fulltime district instructional technology teacher facilitators at the elementary and middle school level. 2. Transfer all school tech teachers to district department for better efficiency and focus on core technology objectives. 3. Continue to develop online resources in Moodle and FRPS 24/7 that can support staff with their technology assistance.
<b>EVIDENCE OF SUCCESS</b>	

**The district has staff dedicated to data management and assessment.**

<b>CURRENT STATUS</b>	1. There is currently a full time Director of Assessment who has part time help throughout the year. 2. Each school has academic coaches that are responsible for working with principals for overseeing the data management and assessment goals at each school and working with teachers. 3. The School Information Coordinator and the Data Specialist oversee all SIMS, EPIMS,SCS and school data collection and reporting for the district with the assistance of Data Technicians in the Tech Support Center.
<b>OUR GOALS</b>	1. Hire additional district staff to fully implement and utilize the DESE Data Warehouse through state and federal grant opportunities and to plan and manage PARCC assessment and blended learning initiatives 2. Continue to support the existing staff already hired. 3. Commit resources to train school administrators and academic coaches to pull out and use data to make data driven decisions to improve teaching and learning. 4. Continue to support the use of TestWiz as a backup for data.

	5. Review data dashboard options to put more resources in hand of staff. 6. Pilot X2 Aspen Curriculum Management tool
<b>EVIDENCE OF SUCCESS</b>	

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## BENCHMARK 3

### Technology Professional Development

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**At the end of three years, at least 85% of district staff will have participated in 45 hours of high-quality professional development<sup>4</sup> that includes technology skills and the integration of technology into instruction.**

<b>CURRENT STATUS</b>	1. Due to budget constraints, we have not developed the internal capacity to offer this amount of professional development as the norm so that it applies to all district staff.
<b>OUR GOALS</b>	1. Identify funding sources to pay teachers to take PD outside the school day and year. This will increase the exposure and allow the district to mandate activities instead of the current voluntary signups. 2. Standardize the course catalog so it is offered consistently to staff and allow for cohorts to move through different part of each course. 3. Develop on-line courses, a and resources targeted to different groups of staff. Courses can be self-paced and monitored 4. Provide more remote GO TO Help software for 1 to 1 help 5. Create and provide 15 hours per year for instructional staff.
<b>EVIDENCE OF SUCCESS</b>	

**Technology professional development is sustained and ongoing and includes coaching, modeling best practices, district-based mentoring, study groups, and online professional development. The professional development includes concepts of universal design and scientifically based, researched models.**

<b>CURRENT STATUS</b>	1. Each summer a Technology Professional Development catalog is published featuring the PD opportunities for different groups of staff. 2. The district has recently enhanced its use of Moodle as a means of communicating with staff and offering a one-stop place for professional development. 3. Technology staff works with the Director of Professional Development to insure that offerings are aligned with district goals.
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<sup>4</sup> High quality professional development is described in the Massachusetts 2001 State Plan for Professional Development (<http://www.doe.mass.edu/pd/stateplan/>).

<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Develop an online catalog of courses within Moodle for staff to take at self-directed pace.</li> <li>2. Partner with other districts to collaborate on on-site and on-line technology professional development offerings.</li> <li>3. Commit to funding additional instructional technology facilitators who can then provide on-site support to teachers and classrooms.</li> <li>4. Use the Technology Coach program to provide more opportunities for staff to learn.</li> <li>5. Continue the use of FAO area, blogs, Moodle and FRPS 24/7 for basic support in any technology area.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

**Professional development planning includes an assessment of district and teachers' needs. The assessment is based on the competencies listed in the Massachusetts Technology Self-Assessment Tool.<sup>5</sup>**

<b>CURRENT STATUS</b>	Desianina approach to fully administer the TSAT to all instructional staff during 2013.
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Administer a web-based version of the TSAT to all instructional staff.</li> <li>2. Analyze results of TSAT to identify strengths and areas of concern to provide professional development opportunities.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

**Administrators and teachers consider their own needs for technology professional development, using the technology self-assessment tools provided by the Massachusetts Department of Education or similar tools.<sup>6</sup>**

<b>CURRENT STATUS</b>	<ol style="list-style-type: none"> <li>1. District publishes a voluntary staff technology assessment survey annually.</li> <li>2. High School level has created its own in-depth tech survey to identify areas of concern and to strategies to help staff.</li> </ol>
<b>OUR GOALS</b>	<ol style="list-style-type: none"> <li>1. Use staff surveys and feedback to provide live training and on-line self-paced resources for staff on technology and instructional technology topics.</li> </ol>
<b>EVIDENCE OF SUCCESS</b>	

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## BENCHMARK 4

### Accessibility of Technology

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#### Hardware Access

<sup>5</sup> Details are available on the Department's web site ([http://www.doe.mass.edu/edtech/standards/sa\\_tool.html](http://www.doe.mass.edu/edtech/standards/sa_tool.html)).

<sup>6</sup> A sample administrator technology self assessment tool is available on the Department's web site ([http://www.doe.mass.edu/edtech/standards/tsat\\_sampadmin.html](http://www.doe.mass.edu/edtech/standards/tsat_sampadmin.html)). The Technology Self-Assessment Tool (TSAT) for teachers is also available as a printable document and as an interactive tool on MassONE ([http://www.doe.mass.edu/edtech/standards/sa\\_tool.html](http://www.doe.mass.edu/edtech/standards/sa_tool.html)).

By 2014-2015, the district has an average ratio of one high-capacity, Internet-connected computer for each student. (The Department will work with stakeholders on a regular basis to review and define high-capacity

<b>CURRENT STATUS</b>	Varies by school
<b>OUR GOALS</b>	1. Purchase enough devices to successfully complete PARCC testing and institute blended learning initiatives at schools 2. Implement a BYOD policy for students and staff
<b>EVIDENCE OF SUCCESS</b>	

The district provides students with emerging technologies appropriate to their grade level.

<b>CURRENT STATUS</b>	1. Currently there is limited use of handheld devices in our schools.
<b>OUR GOALS</b>	1. Continue to invest in PARCC compliant devices that can be used during regular school day. 2. Explore BYOD policies and initiatives to allow students and staff to interact digitally.
<b>EVIDENCE OF SUCCESS</b>	

**The district maximizes access to the general education curriculum for all students, including students with disabilities, using technology in classrooms with universal design principles and assistive technology devices.**

<b>CURRENT STATUS</b>	1. The district Special Needs Office has staff that works with school level staff to insure that assistive technology needs are being met for students with disabilities.
<b>OUR GOALS</b>	1. Work with schools and Special Needs Office to insure that equipment is maintained and available in the appropriate locations. 2. Seek out new technology hardware and software that will benefit students.

**The district has procurement policies for information and instructional technologies that ensure usability, equivalent access, and interoperability.**

<b>CURRENT STATUS</b>	1. All technology purchases are vetted and approved by the district technology department to insure that purchases are usable on our network and hardware. All data is housed in SIF accessible
<b>OUR GOALS</b>	1. Continue to work with schools to standardize equipment types (ie. interactive boards). 2. Work toward a well funded district technology budget and plan that supports a "life-cycle" for all technology equipment. 3. Wait for DESE to expand SI so Fall River can comply with RTTT mandate. Currently Winter 2013 is target.
<b>EVIDENCE OF SUCCESS</b>	

**The district provides technology-rich classrooms, with access to devices such as digital projectors, electronic whiteboards, and student response systems**

<b>CURRENT STATUS</b>	Varies by school
<b>OUR GOALS</b>	1. Give every classroom teacher, A-level work computer, wi-fi access, projector, document camera and interactive board capability 2. Institute BYOD for students and staff. 3. Increase supply budget by 100% for replacing bulbs and parts
<b>EVIDENCE OF SUCCESS</b>	

SUCCESS	
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**The district has established a computer replacement cycle of five years or less.**

<b>CURRENT STATUS</b>	1. The district does not have an established computer replacement policy in effect and does not currently have the budget to support one.
<b>OUR GOALS</b>	1. Work with administration to have a 5 year life cycle for all computers. 2. Commit to having a Type A computer in every classroom and upgrade budget for Type B computers to be placed in secondary locations. 3. Continue to explore leasing opportunities for technology purchases as a method of making large purchases.
<b>EVIDENCE OF SUCCESS</b>	

**Internet Access**

**The district provides connectivity to the Internet in all classrooms in all schools including wireless connectivity, if possible.**

<b>CURRENT STATUS</b>	All buildings have full internet and wi-fi access ( except Green)
<b>OUR GOALS</b>	1. Continue to apply for E-Rate funding to allow for improved fiber access at each school and to maintain/upgrade/add internet access within each school. 2. Increase amount of network support 3. Greene is scheduled for ERATE upgrade in 2013-14
<b>EVIDENCE OF SUCCESS</b>	

**The district provides bandwidth of at least 10/100/1 Gb to each classroom. At peak, the bandwidth at each computer is at least 100 kbps. The network card for each computer is at least 10/100/1 Gb.**

<b>CURRENT STATUS</b>	1. The vast majority of the classroom connections and network cards provide a 100 mbps back to the classroom equipment, with several new schools at the 1 Gb speed.
<b>OUR GOALS</b>	1. Seek out E-Rate upgrade projects that allows us to add in new network equipment and wiring that will increase the amount of 1 Gb connections there are in the district. 3. Continue to review each schools needs and usage and budget for needed increases based on demand for PARCC
<b>EVIDENCE OF SUCCESS</b>	

**The district provides an external internet connection to the internet service provider of 1000 MBps per student / staff**

<b>CURRENT STATUS</b>	All buildings have full internet and wi-fi access
<b>OUR GOALS</b>	1. Continue to apply for E-Rate funding to allow for improved fiber access at each school and to maintain/upgrade/add internet access within each school. 2. Increase amount of network support through contracted vendors and FRPS staff 3. Fund network tech job FY 14
<b>EVIDENCE OF SUCCESS</b>	

**Networking (LAN/WAN)**

The district provides internal wide area network (WAN) connections from the district to each school between schools of at least 1 Gbps per 1,000 students/staff.

<b>CURRENT STATUS</b>	1. The district is currently meeting these requirements in providing the minimum requirements for our LAN/WAN. 2. District WAN is provided through a EVPL fiber network.
<b>OUR GOALS</b>	1. Continue to apply for E-Rate funding and support for our SES hard wired fiber WAN network and make appropriate changes at each site based on analyzing the use patterns each year. 2. Conduct network optimization study to prepare for PARCC and recommend improvements.
<b>EVIDENCE OF SUCCESS</b>	

**Access to the Internet Outside the School Day**

The district provides access to its computer labs before and after school to ensure that students and staff have adequate access to the Internet outside of the school day.

<b>CURRENT STATUS</b>	1. Many schools offer afterschool programs and summer programs to allows for internet access outside of the traditional school day. 2. All students have Google Apps accounts that can be accessed anywhere
<b>OUR GOALS</b>	1. Use BYOD program to increase use 2. Encourage schools to staff after hours support.
<b>EVIDENCE OF SUCCESS</b>	

The district web site includes an up-to-date list of places where students and staff can access the Internet after school hours.

<b>CURRENT STATUS</b>	A list of public places where students and staff can access the internet outside of the school day can be found at: <a href="http://www.fallriverschools.org/technology.cfm">www.fallriverschools.org/technology.cfm</a>
<b>OUR GOALS</b>	1. Identify additional locations within the city where computer access by the community is available. 2. Promote Comcast Internet Essentials and cheap laptop program for families
<b>EVIDENCE OF SUCCESS</b>	

**Staffing**

The district provides staff or contracted services to ensure the network is functioning at all times

<b>CURRENT STATUS</b>	1. District no longer has a fulltime staff person dedicated to being network manager. 2. Contracted services has allowed us to hire part-time support for maintaining our network along with basic maintenance services for several schools under E-Rate program.
<b>OUR GOALS</b>	1. Apply for E-Rate funding to continue to access basic maintenance services for network equipment. 2. Hire a dedicated staff to be a network technician by 2013 3. Increase vendor support to meet demands of PARCC.
<b>EVIDENCE OF SUCCESS</b>	

The district provides timely in-classroom technical support (within 24 hours) remotely or in person with clear information about how to access the support, so that technical problems will not cause major disruptions to curriculum delivery.

<b>CURRENT</b>	1. There is only one on-staff technician to support our schools but we do have 2 part-time interns who assist with on-site support. Other tech staff also assist with basic support issues in addition to their
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<b>STATUS</b>	regular duties. 2. District has a resource library of support topics on Moodle and an active FAQ area for technology needs. 3. A one-stop TECH SUPPORT CENTER, staffed by 4 data technicians is in place where staff can call in any tech ticket or initiate their own on-line ticket so it is directed to the correct staff member or handled instantly through phone support or remote access.
<b>OUR GOALS</b>	1. Continue to maintain all current services and procedures. 2. Increase the amount of on-line, self-help resources. 3. Increase use of a commercial remote access program to increase the amount of remote problem solving done by technicians. 4. Explore GOTO 1:1 support
<b>EVIDENCE OF SUCCESS</b>	

The district provides at least one FTE person to 400 computers. Technical support can be provided by dedicated staff or contracted services.

<b>CURRENT STATUS</b>	1. District is not meeting this goal and currently has 1 full time technician, 4 tech support center staff and 2 part time interns. Ratio is more in the 1.000:1 ratio
<b>OUR GOALS</b>	1. Hire an additional full time support technician, tech support center staff member and .5 network manager through vendor support. 2. Maintain use of summer interns or contracted support services to complete maintenance
<b>EVIDENCE OF SUCCESS</b>	

## BENCHMARK 5

### Virtual Learning & Communication

The district encourages the development and use of innovative strategies for delivering high-quality courses through the use of technology.

<b>CURRENT STATUS</b>	1. Staff and students are using Moodle as a LMS throughout the district.
<b>OUR GOALS</b>	1. Research and Deploy Teaching and Curriculum software via our SIS X2 Aspen 2. Provide face to face training and online PD to teachers around the teaching and learning module of X2.
<b>EVIDENCE OF SUCCESS</b>	

The district deploys IP-based connections for access to web-based and/or interactive video learning on the local, state, regional, national, and international level

<b>CURRENT STATUS</b>	1. Kuss Middle School has a tandberg video conferencing system that all middle schools can utilize
<b>OUR GOALS</b>	1. The obtain funding to purchase an additional tandberg video conferencing system to be shared at elementary level. 2. Fix or replace satellitte link at Durfee HS that would allow us to participate in ip based video conferencing.
<b>EVIDENCE OF SUCCESS</b>	

**Classroom applications of virtual learning include courses, collaborative projects, field trips, and discussions**

<b>CURRENT STATUS</b>	Moodle LMS, Google Apps- Drive/Sites/Calendar/Docs/Presentation/Spreadsheet, Blogger, Savvy CMS
<b>OUR GOALS</b>	1. Continue to research 3rd party LMS and compare our current system to pay per pupil LMS. 2. Offer more virtual trainings for collaboration tools
<b>EVIDENCE OF SUCCESS</b>	1.

**The district maintains an up-to-date website that includes information for parents and community members.**

<b>CURRENT STATUS</b>	1. Fallriverschools.org Savvy CMS, facebook.com/frpsinfo, twitter.com/frpsinfo, plus.google.com/+frpsinfo/posts
<b>OUR GOALS</b>	1. Increase the capacity for our school to post to our Social media sites. 2. Train staff to use google sites to extend the reach of our current system, allow them to develop lessons online via google sites.
<b>EVIDENCE OF SUCCESS</b>	

## **BENCHMARK 6**

### **Safety, Security & Data Retention**

**The district has a CIPA-compliant Acceptable Use Policy (AUP) regarding Internet and network use. The policy is updated as needed to help ensure safe and ethical use of resources by teachers and students.**

<b>CURRENT STATUS</b>	1. Network AUP was revised in 2012 2. New social media policy was for all to follow
<b>OUR GOALS</b>	1. REview and tweak policies to reflect BYOD implementation 2. Provide more reminders for staff on their role in monitoring students and policies

<b>EVIDENCE OF SUCCESS</b>	
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**The district educates teachers and students about appropriate online behavior. Topics include cyberbullying, potential risks related to social networking sites and chat rooms, and strategies for dealing with these issues.**

<b>CURRENT STATUS</b>	1. School technology teachers cover this with their classes 2. Ask all staff to complete ISAFE training
<b>OUR GOALS</b>	1. Hire trainer to work with schools on rotating basis to cover materials and provide support 2. Train other departments (ART, MUSIC, PE) to supplement training
<b>EVIDENCE OF SUCCESS</b>	

**The district has a plan to protect the security and confidentiality of personal information of its students and staff.[1]**

<b>CURRENT STATUS</b>	1. Communicate laws and expectations of laws and policies to all staff annually. 2. Review and adjust roles for X2 as needed
<b>OUR GOALS</b>	1. Conduct trainings with data using staff in schools on PD days
<b>EVIDENCE OF SUCCESS</b>	

**The district complies with federal and state law[1], and local policies for archiving electronic communications produced by its staff and students. The district informs staff and students that any information distributed over the district or school network may be a public record.**

<b>CURRENT STATUS</b>	1. Currently meeting this objectives by notifying staff annually
<b>OUR GOALS</b>	1. Explore possibilities and cost of archiving students
<b>EVIDENCE OF SUCCESS</b>	

## **OVERVIEW OF E-RATE FOR 2013-14**

The Fall River Public Schools has applied for all Priority I and Priority II goods and services and has looked to improve our school district's ability to achieve the goals of this technology plan by keeping current with the benefits of the E-Rate program for our school district. Revisions to our network and internet access policies have been revised during the 2011-2012 school year to adhere to new CIPA requirements.

### **SERVICES APPLIED FOR 2013-14**

Internet Access and Webhosting Services

Basic Maintenance Services for our 90% and 80% schools

Discounts on Phone Service (POTS, Long Distance, Wireless, Internet Data)

Internal Connection projects at Greene Elementary School

### **INTERNAL CONNECTION PROJECTS TO CONSIDER FOR FUTURE YEARS USING ERATE OR SCHOOL BUDGET**

**\*Projects deemed necessary to fully implement PARCC and blended learning**

**\* Watson (needed by 2015), Talbot Middle, Durfee High School, RPS, Stone, FRIA**

YEAR		Req.	Funded	REQUESTED	COMMITTED	Committed	Total	Total
		FRNs	FRNs		Priority 1	Priority 2	Funding	Disbursed
2012	10	5	5	\$3,803,012.00	\$540,511.53	\$0.00	\$540,511.53	\$0.00
2011	9	6	6	\$3,030,052.92	\$515,876.94	\$326,096.06	\$841,973.00	\$516,003.19
2010	19	18	14	\$825,820.27	\$471,777.44	\$339,942.76	\$811,720.20	\$662,648.00
2009	21	21	20	\$2,555,334.34	\$234,676.71	\$2,058,389.56	\$2,293,066.27	\$2,335,178.90
2008	43	23	15	\$6,790,190.65	\$389,723.63	\$1,957,524.46	\$2,347,248.09	\$1,556,107.74
2007	37	17	15	\$2,350,348.53	\$311,468.17	\$251,100.00	\$562,568.17	\$408,952.41
2006	48	25	22	\$4,194,685.43	\$164,660.42	\$1,752,469.41	\$1,917,129.83	\$813,531.53
2005	47	26	13	\$1,864,466.32	\$198,790.34	\$251,020.50	\$449,810.84	\$262,249.35
2004	111	4	0	\$3,676,950.90	\$219,243.29	\$0.00	\$219,243.29	\$0.00
2003	49	44	34	\$996,788.51	\$263,130.59	\$587,028.55	\$850,159.14	\$516,707.33
2002	46	27	16	\$554,595.57	\$153,638.68	\$168,996.33	\$322,635.01	\$133,738.25
2001	21	6	6	\$352,194.64	\$163,632.48	\$22,212.00	\$185,844.48	\$168,654.24
2000	4	3	3	\$650,226.72	\$124,341.67	\$0.00	\$124,341.67	\$121,462.14
1999	29	29	16	\$524,851.37	\$142,800.00	\$382,051.37	\$524,851.37	\$422,021.96
1998*	5	5	5	\$324,150.96	\$138,984.69	\$193,505.37	\$332,490.06	\$319,931.21
				\$32,493,669.13			\$12,323,592.95	