

## District Technology Plan Cover Page

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## Executive Summary

The Biloxi Public School District has developed a plan to aid in the development and implementation of technology into the curriculum content and classroom instruction within the district and in addition provide support and access to educational technology. This plan contains information on the technology needs of the district, as well as providing strategic planning and measurable goals for technology integration. The plan is divided into 4 major sections.

## Teaching and Learning

**Goal I:** *All students will meet or exceed the state standards for student literacy in technology by the 8<sup>th</sup> grade*

- Ensure staff understands the technology expectations of the MTS for students
- Technology standards integrated into K-8 curriculums
- Monitor student progress

**Goal II:** Provide high quality state of the art Information Technology resources to support instruction, research and administration.

- Provide an equitable distribution of technology resources at all levels.
- Keep technology resources up-to-date
- All Biloxi students will have access to revised and expanded quality electronic resources for students

## Educator Proficiency

**Goal III:** *All teachers will be qualified to use technology for instruction by meeting the Mississippi Technology Standards for Teachers.*

- High quality professional development for teachers will be provided based on Mississippi Technology Standards for Teachers.
- New teachers will receive the appropriate training to ensure they meet the MTST standards
- All teachers will be required to meet the Mississippi Technology Standards for Teachers (MDE)

**Goal IV:** *Teachers will have technology resources available and the skills necessary to design effective and engaging curriculum using technology.*

- Provide high quality on-line instruction for teachers to develop their technology skills
- Provide in-building support for technology resources to teachers
- Provide state-of-the-art resources in the classroom

## Leadership and Support

**Goal V:** *Biloxi Public Schools District will continue to involve the community in education through the use of technology*

- Involvement in education from the community will be encouraged
- Biloxi Public Schools will promote community awareness that focuses on school technology use

**Goal VI:** *Improve school to home communication through technology.*

- Teachers can have linked websites
- All teachers will maintain a website with minimum content
- Maintain a quality up to date student information system

## Infrastructure and Environment

**Goal VII:** *Biloxi Public School District will utilize an up-to-date reporting and accountability system to make data-driven decisions.*

- All faculty will have equitable access to the student information system throughout the district
- Update library management hardware and software
- Update the food management software in the cafeterias

**Goal VIII:** *Biloxi Public Schools will implement and support a telecommunications infrastructure that provides ALL students and educators with high quality network connectivity for Internet and other technological resources to every class room.*

- Update internet access
- Implement various network security features such as firewall, IDS (intrusion detection system), local content filtering
- Upgrade district data storage capacity
- Upgrade school network services servers (DNS, DHCP, Print Services)

This plan will serve as a design document to assist the Biloxi Public Schools in the implementation of educational technology.

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# **Vision and Mission Statements**

## **Vision Statement**

It is the vision of the Biloxi Public School District to provide ongoing technical training for all personnel to enhance their knowledge, skills and attitudes necessary to implement and achieve our mission and strategic objectives. We will continually develop strong community partnerships and mentor programs, which provide each student with the resources needed for the development of their technical abilities, talents and habits of acting responsibly. Furthermore, we will provide technological resources and programs throughout the district, to enable students to achieve their individual goals.

## **Mission Statement**

The mission of the Biloxi Public School District, known for its rich heritage and traditions of excellence, resilience, and community commitment, is to encourage and empower every student to develop their technical abilities and to acquire the knowledge and skills necessary to achieve goals in today's technological world, through a safe and welcoming environment, providing appropriate and stimulating and stimulating programs which foster student success.

## District Profile

<b>District Profile</b>	
<b>DISTRICT NAME: Biloxi Public School District - 2420</b>	
ACCREDITATION LEVEL	Accredited
NUMBER OF SCHOOLS IN DISTRICT	10
NUMBER OF STUDENTS ENROLLED	6,228
PERCENT OF STUDENTS ELIGIBLE FOR FREE	53.23%
NUMBER OF STUDENTS ELIGIBLE FOR ESL (ENGLISH AS A SECOND LANGUAGE) SERVICES	304
NUMBER OF DROP-OUTS	49
GRADUATION RATE	84.96 %
DISTRICT E-RATE DISCOUNT	84%
SUBJECT AREA(S) AND GRADE LEVEL(S) OF GREATEST ACADEMIC NEED ACCORDING TO THE LATEST DISTRICT ASSESSMENT	8 <sup>th</sup> Grade Reading & Language

# District Technology Committee

Member	Title	Contact Information
Ray Hughes	Technology Coordinator	ray.hughes@biloxischools.net
Shane Switzer	Business Manager	shane.switzer@biloxischools.net
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Murray Killebrew	Principal – Biloxi Junior High School	murray.killebrew@biloxischools.net
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# **Needs Assessment**

## **Teaching and Learning**

Reading continues to be a major area of concern by the administration of the Biloxi Public Schools. Although test scores across the board indicate performance at or above the acceptable levels, the ability to read and comprehend what is read remains a priority. For this reason, Accelerated Reader (Reading Renaissance) is utilized to supplement the basal reading series in all elementary. Because of the popularity of this program with students, parents, and staff, the district has expanded Accelerated Reader into the junior high. We are also now utilizing Accelerated Math at most elementary schools.

## **Educator Proficiency**

All staff, certified and non-certified, are offered technology training several times during the year. Since the software of choice is Microsoft Office; Word, Excel, and PowerPoint are always offered. Additionally, Computer Basics, Internet training and other courses are available. Training sessions last from 5 - 10 hours spread over several days.

The student management software used by the district is commonly referred to as STI (Software Technology, Inc.). Gradebook training is required of all new teachers, as is training for all building administrators utilizing STI's Principal's Module.

Professional development related to technology is structured around a "Learning Institute". Major areas of focus are Microsoft Office, Multimedia training and integration of technology into instruction.

Approximately 12 – 15 topics are offered for consideration by any staff that wishes to attend. All schedule of classes to be offered is posted on the web site. A Training Request form is then completed online.

Additionally, dozens of elementary and secondary teachers have received and continue to receive training on Accelerated Reader (Reading Renaissance).

All new certified staff receive a full day of technology training as part of the district's induction program every August. Three hours of training focuses on the electronic gradebook (STI) that they are required to use. The remaining four hours consists of an overview and introduction to Microsoft Office (Excel and Powerpoint), e-mail and internet navigation.

## **Leadership and Support**

Technology is widely available to both students and faculty. Every classroom has at least one Internet enabled computer. In addition, Internet enabled computers are available for use in all media centers. All elementary schools in the district, Biloxi Junior High School and Biloxi High School have computer labs for additional computer access.

Assistive technology tools are widely available for students with disabilities in the Biloxi Schools District. These include a wide variety of software and hardware devices used to help students overcome their disabilities.

## **Environment and Infrastructure**

The Biloxi Public School District currently has in place, a high-speed WAN (wide area network), with Internet connectivity. All schools presently have Enterasys layer3 switches with either a 100Mbps or 1Gbps Metro Ethernet circuit that points to the district "Core" switch. The "core" is connected to the district router, provided by MDE which has a single DS3 ATM line connected to the state backbone via the "Super Region" in Harrison County (refer to Current WAN diagram Appendix B).

Each school has an Dell 2850 server running Microsoft Windows 2003 network operating system, and STI student database with electronic grade book software. In addition each school has various high speed Ethernet switches connecting class rooms to a Intermediary Distribution Frame which is in turn connect to the Main Distribution Frame via Gigabit fiber uplinks.

The Biloxi Public School District has been providing Internet access for students and faculty in the classroom. Issues with security and the states Internet filtering software has prompted us to investigate the possibility of implementing local filtering software. This will allow Internet filtering at a much higher level, and provide reports on attempted hits to inappropriate web sites.

E-rate has been a tremendous resource, which has allowed the district to improve or increase its technology infrastructure.

We are planning to implement security and management features such as firewalls, IDS(Intrusion Detection System), content filtering, and bandwidth management devices. This will also allow for greater bandwidth for current and emerging applications and video teleconferencing.

Every classroom has telephone access. We currently have approximately 155 telephone lines under Centex service from Bellsouth.

Our long distance contract is currently with MCI.

The district has approximately 70 cellular phones. These are used primarily by administrative staff and maintenance staff. This allows for timely communication among key staff members during emergency situations, as well as day to day operations. Our current contract is with Cellular South and Nextel Communications. We will add additional service as is required.

## Plan Implementation: District Technology Goals and Objectives

### Teaching and Learning

<b>Goal I: All students will meet or exceed the state standards for student literacy in technology by the 8<sup>th</sup> grade</b>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
Ensure staff understands the technology expectations of the MTS for students	Professional development sessions to train teachers on Mississippi Technology Standards for Students (MDE)	2007
Technology standards integrated into K-8 curriculums	Develop minimum expectations for technology integration	2007-2008
Monitor student progress	Implement MDE evaluation instrument	2008

<b>Goal II: Provide high quality state of the art Information Technology resources to support instruction, research and administration.</b>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
Provide an equitable distribution of technology resources at all levels.	Develop district wide standards for technology resources	2007
Keep technology resources up-to-date	Implement a district wide replacement plan for technology resources	2008
All Biloxi students will have access to revised and expanded quality electronic resources for students	The district will update the computer labs at each school on a rotating basis  The district will provide additional advanced computer labs on each secondary campus (7-12)	2007-2010  2008-2009

## Educator Proficiency

<b>Goal III: All teachers will be qualified to use technology for instruction by meeting the Mississippi Technology Standards for Teachers.</b>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
High quality professional development for teachers will be provided based on Mississippi Technology Standards for Teachers.	Training courses will be developed with MTST content  The district will utilize the "Learning Institute" for professional development	2007-2008  Ongoing
New teachers will receive the appropriate training to ensure they meet the MTST standards	A technology skills evaluation instrument for "new" teachers will be selected or developed  All "new" teachers will take the technology skills assessment test	2007  Ongoing
All teachers will be required to meet the Mississippi Technology Standards for Teachers ( <i>MDE</i> )	Mastery of MS Technology Standards for Teachers will be noted on district evaluation instrument  MDE evaluation instrument will be utilized	2007  2008

<b>Goal IV: Teachers will have technology resources available and the skills necessary to design effective and engaging curriculum using technology.</b>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
Provide high quality on-line instruction for teachers to develop their technology skills	Implement Project Stream  Add additional course work utilizing Project Stream	2007  Ongoing
Provide in-building support for technology resources to teachers	The district will implement a "Technologist" at each school	2009
Provide state-of-the-art resources in the classroom	Implement interactive white board systems in 50 % of classrooms  Implement interactive white board systems in 70 % of classrooms  Implement interactive white board systems in 90 % of classrooms	2007  2008-2009  2010

## Leadership and Support

<b>Goal V: Biloxi Public Schools District will continue to involve the community in education through the use of technology</b>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
Involvement in education from the community will be encouraged	The district will implement an electronic community newsletter	2007
Biloxi Public Schools will promote community awareness that focuses on school technology use	The district will continue to maintain and enhance the district website	Ongoing

<b>Goal VI: Improve school to home communication through technology.</b>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
Teachers can have linked websites	Provide resources for teacher websites (Server, disk space etc.)	2007
All teachers will maintain a website with minimum content	Develop minimum content standards for teacher websites	2008
	Make website development training available to all staff	2009
Maintain a quality up to date student information system	Update the Information On Demand (IOD) system at each school	2008
	Provide training on the productive use of the IOD system	Ongoing

## Infrastructure and Environment

<b>Goal VII:</b> <i>Biloxi Public School District will utilize an up-to-date reporting and accountability system to make data-driven decisions.</i>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
All faculty will have equitable access to the student information system throughout the district	Test and evaluate solutions Purchase, install and maintain necessary hardware and software	2007-2008 Ongoing
Update library management hardware and software	Implement wireless technology Upgrade of hardware and software as necessary	2008 Ongoing
Update the food management software in the cafeterias	Implement online lunch money collection system Upgrade of hardware and software as necessary	2007 Ongoing

<b>Goal VIII:</b> <i>Biloxi Public Schools will implement and support a telecommunications infrastructure that provides ALL students and educators with high quality network connectivity for Internet and other technological resources to every class room.</i>		
<b>OBJECTIVES</b>	<b>STRATEGIES</b>	<b>TARGETED TIMELINES</b>
Update internet access	Implement MPLS internet data circuit	2007-2008
Implement various network security features such as firewall, IDS (intrusion detection system), local content filtering	Test and evaluate advanced security and filtering solutions Implement selected solutions	2008-2009 Ongoing
Upgrade district data storage capacity	Implement a centralized SAN solution	2007
Upgrade school network services servers (DNS, DHCP, Print Services)	Install new servers at each school	2008

## Budget Narrative

1. Teaching and Learning
  - 1.1. Hardware
    - The district will continue to replace older hardware and purchase additional computers and printers for classrooms labs and offices as necessary.
    - Computer labs will be upgraded and maintained as necessary.
  - 1.2. Software
    - The district will continue to maintain and upgrade Accelerated Reader.
    - The district will continue to maintain and upgrade Accelerated Math.
    - Web development software will be purchased and maintained.
    - The district will purchase and maintain new software titles as necessary.
  - 1.3. Online resources
    - Nova Net will continue to be maintained and upgraded
  - 1.4. Professional Development
    - Training will be provided for various software
  - 1.5. Supplies
    - Supplies are funded and purchased at the school level
2. Educator Proficiency
  - 2.1. Hardware
    - Purchase new interactive white boards, projectors and various other training aids.
  - 2.2. Software
    - The district plans to purchase various software titles to aid in professional development.
  - 2.3. Online resources
    - The district plans to maintain a system to provide online forms and documents.
  - 2.4. Professional Development
    - Various technology training will be offered.
  - 2.5. Supplies
    - Supplies are funded and purchased at the school level
3. Leadership and Support
  - 3.1. Hardware
    - The district plans to purchase hardware to aid in the development of an electronic community newsletter.
  - 3.2. Software
    - The district plans to purchase software to aid in the development and maintenance of an electronic community newsletter.
  - 3.3. Online resources
    - None planned.
  - 3.4. Professional Development
    - The district will provide training for to improve grant writing skills for interested staff.
  - 3.5. Supplies
    - Supplies are funded and purchased at the school level

4. Environment and Infrastructure
  - 4.1. TelCom Services
    - We will provide telephone service for the district as necessary.
  - 4.2. Wireless Connections
    - Wireless access points will be purchased and maintained to support.
  - 4.3. Internet Access
    - Conversion to the new MPLS system is planned.
  - 4.4. Equipment
    - New servers for network services will be purchased and maintained.
  - 4.5. Supplies
    - Supplies are funded and purchased at the school level.
5. Technical Support
  - 5.1. Staffing
    - No staff positions will be funded from the technology budget.
  - 5.2. Contractual
    - The district does not plan to solicit “outside contractual assistance.
6. Supplies and Materials
  - Supplies are funded and purchased at the school level.
7. Evaluation Costs
  - None planned.
8. Other

## Technology Plan Evaluation

This plan will be reviewed, keeping in mind the goal of this plan which is to improve teaching and learning through the integration and use of technology.

Data will be gathered through a variety of sources.

- Observation and discussions with building principals and various other district personnel.
- Analysis of student achievement from various sources (standardized testing, etc.)
- Online Surveys conducted by the district
- MOTE (Mississippi Online Technology Evaluation)
- Evaluation committees
- Review of the district Teacher Evaluation Instrument

The data collected will then be shared and reviewed by various district groups, committees and personnel.

- District Technology Committee
- Technology Coordinator
- Building Principals
- Administrative Council

The results will be studied and evaluation made on 3 major points.

- **Accountability** – Are the goals and objectives being met?
- **Quality** – How well is the plan being implemented?
- **Impact** – Is the plan making a difference?

The result of these reviews will be used to adjust the plan accordingly and promote effective teaching and learning.

## **Appendices**

# Internet Appropriate Use Policy

## Overview

The Biloxi Public School District provides access to the Internet for students. Students must have permission from at least one of their parents and/or guardians to access the Internet at school. The use of the Internet is a privilege, not a right, and inappropriate use will result in the cancellation of those privileges and/or disciplinary actions by the District. A student's use of the Internet must be in support of education and research, and consistent with the educational objectives of the Biloxi Public School District. In addition, the student accessing the Internet from a school site is responsible for all online activities that take place through the use of his or her account.

This network is a public network provided by the Mississippi Department of Education. This network is fully compliant with the Children's Internet Protection Act (CIPA) and Child Online Protection Act (COPA) regulations.

### Personal

- Users will not disclose, use, disseminate or divulge personal and or private information about himself/herself, minors or any others including personal identification information, etc.
- Biloxi Public School district will not disclose personal information about students on websites – such as their full name, home or e-mail address, telephone number, and social security number.
- Users will immediately report to (School District) authorities any attempt by other Internet users to engage in inappropriate conversations or personal contact.

### Illegal and /or Unacceptable Usage

- User agrees not to access, transmit or retransmit any material(s) in furtherance of any illegal act or conspiracy to commit any illegal act in violation of local, state or federal law or regulations and/or school district policy.
- User shall not access, transmit, or retransmit: threatening, harassing, or obscene material, pornographic material, or material protected by trade secret, and/or any other material that is inappropriate to minors. User shall not transmit or retransmit copyrighted materials unless authorized. User shall not plagiarize copyrighted materials. (COPPA)
- User shall not access, transmit, or retransmit any material that promotes violence or the destruction of persons or property by devices including, but not limited to, the use of firearms, explosives, fireworks, smoke bombs, incendiary devices, or other similar materials.
- User shall not use the network for any illegal activity including, but not limited to, unauthorized access including hacking.
- User shall not access, transmit, or retransmit language that may be considered offensive, defamatory, or abusive.
- User shall not access, transmit or retransmit information that could cause danger or disruption or engage in personal attacks, including prejudicial or discriminatory attacks.
- User shall not access, transmit or retransmit information that harasses another person or causes distress to another person.

### System Resource Limits

- User shall only use the Biloxi Public School District's system for educational and career development activities and limited, high quality self-discovery activities as approved by Biloxi Public School's faculty for a limited amount of time per week.
- User agrees not to download large files unless it is absolutely necessary. If absolutely necessary to download large files, user agrees to download the file at a time when the system is not being heavily used.
- User agrees not to post chain letters or engage in "spamming" (that is, sending an annoying or unnecessary message to large numbers of people).
- User agrees to immediately notify his/her teacher or other school administrator should user access inappropriate information. This will assist in protecting user against a claim of intentional violation of this policy.

## User Rights

- User shall have the responsibility to use computer resources for academic purposes only. Therefore, as mandated by CIPA, filtering will be utilized on all computers accessing the Internet. The only exception will be for academic research by a staff member with the approval of school administration.
- The Biloxi Public School District will fully cooperate with local, state or federal officials in any investigation related to illegal activities conducted through the user's Internet account.
- Under no conditions should a user provide his/her password to another person or use another person's password.
- User should not expect files stored on a school-based computer to remain private. Authorized staff will periodically inspect folders and logs of network usage will be kept at all times. Routine review and maintenance of the system may indicate that user has violated this policy, school codes, municipal law, state law or federal law. Parents of minor users shall have the right to inspect the contents of user's files.
- Individual schools within the district may create additional guidelines and procedures consistent with this policy. Such guidelines and procedures will be appropriate for the electronic information resources being used and the students served at the school.
- Use of the Internet is a privilege, not a right. Unacceptable and/or illegal use may result in denial, revocation, suspension and/or cancellation of the user's privileges, as well as disciplinary action imposed by school officials. The school district may include a process for the student to appeal the decision to deny, suspend, revoke or cancel Internet privileges.

## Consequences for Failure to follow Terms and Conditions of AUP

There will be consequences for any user who fails to follow Biloxi Public School District and school guidelines and policies.

The consequences may include paying for damages, denial of access to technology, detention, suspension, expulsion or other remedies applicable under the school disciplinary policy, and state or federal law. At the discretion of Biloxi Public School District, law enforcement authorities may be involved and any violations of state and/or federal law may result in criminal or civil prosecution.

## Signatures

I have read the Biloxi Public School District Internet Appropriate Use Agreement. I understand and will abide by the terms and conditions as stated.

I understand that some Internet violations are unethical and may constitute a criminal offense resulting in legal action. I understand that access to the Internet will be supervised by Biloxi Public School District personnel and that provisions of the agreement will be reviewed with students. I understand that this is a legal and binding document. I further understand that the Biloxi Public School District is not responsible for the actions of individual users or the information they may access.

***My signature below acknowledges my agreement to the terms stated above.***

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

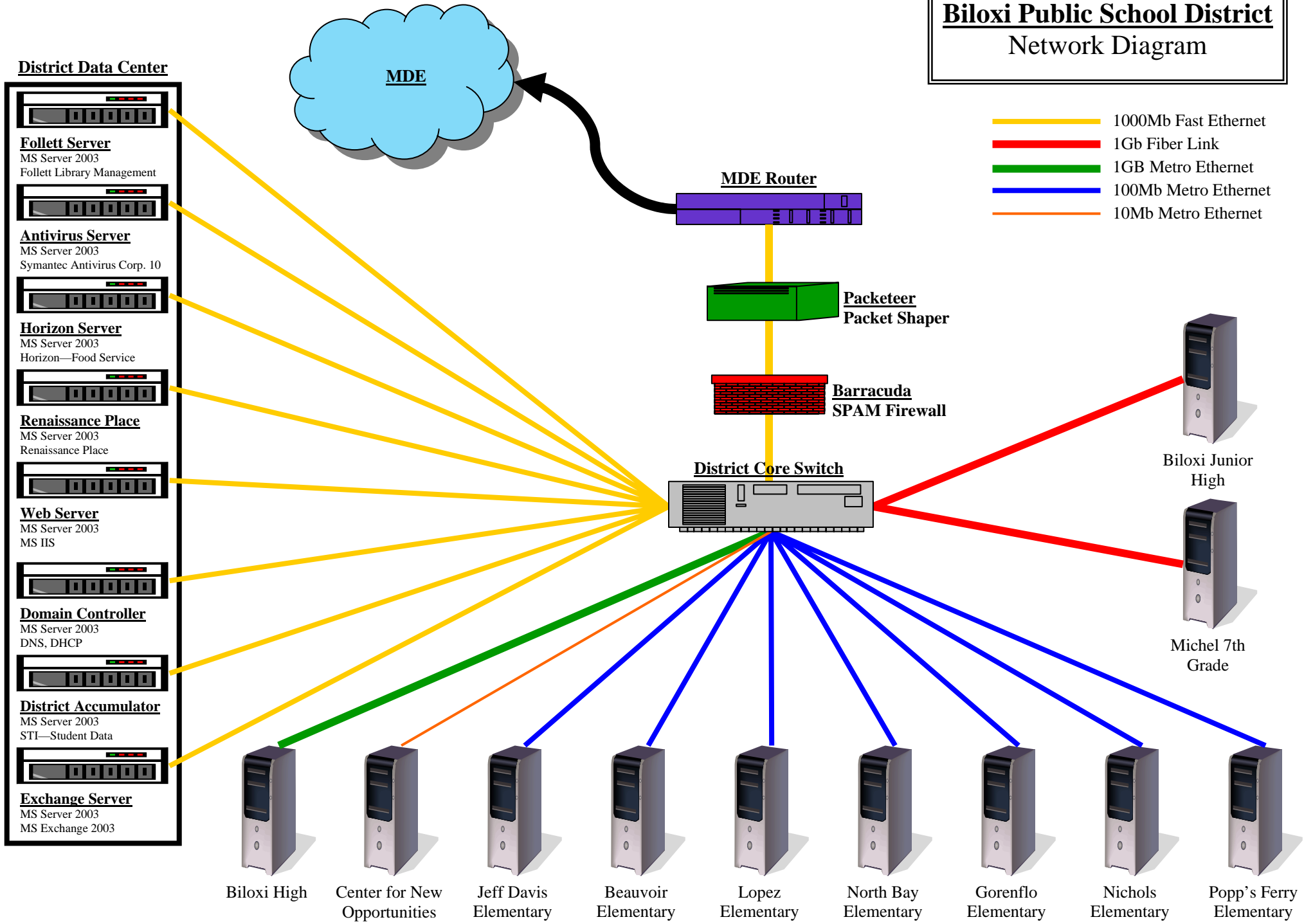
**Students in grades 4 – 12 must sign below, as well.**

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Employee Signature \_\_\_\_\_ Date \_\_\_\_\_

Guest User Signature \_\_\_\_\_ Date \_\_\_\_\_

# Biloxi Public School District Network Diagram



# Mississippi Technology Standards for Teachers

**General Goal:** Skills every Mississippi Teacher should master to effectively integrate technology in the instructional program for the benefit of **all** students.

Standards for Teachers The Teacher will:	Examples of Performance Indicators The Teacher will:
<p><b>Standard 1.</b> <b>Use computer hardware, terminology, telecommunication and networking</b></p> <p><b>(Operational skills)</b></p> <p><i><b>ISTE A</b></i> <i><b>A1. Operate a multimedia Computer system with related peripheral devices to successfully install and use a variety of software packages.</b></i> <i><b>A2. Use terminology related to computers and technology appropriately in written and oral communications.</b></i> <i><b>A3. Describe and implement basic troubleshooting techniques for multimedia computer systems with related peripheral devices.</b></i></p>	<ol style="list-style-type: none"> <li>1. Perform tasks such as: <ul style="list-style-type: none"> <li>• Word processing</li> <li>• Spreadsheet applications</li> <li>• File management</li> <li>• Printing</li> </ul> </li> <li>2. Apply terminology related to computers and technology appropriately in: <ul style="list-style-type: none"> <li>• Oral communication</li> <li>• Written communication</li> </ul> </li> <li>3. Utilize wide area and local networks: <ul style="list-style-type: none"> <li>• Internet</li> <li>• On-line databases</li> <li>• Search engines</li> <li>• Interactive video, video conference</li> <li>• E-mail</li> <li>• Access shared software</li> </ul> </li> </ol>
<p><b>Standard 2.</b> <b>Identify, evaluate, and select the types, sources, and uses of quality instructional technologies as related to one's subject area and/or grade level.</b></p> <p><b>(Application)</b></p> <p><i><b>ISTE A1, B7, B8, C1</b></i></p>	<ol style="list-style-type: none"> <li>1. Identify technology sources, such as: <ul style="list-style-type: none"> <li>• Software</li> <li>• Video tapes/discs</li> <li>• Calculators/probe systems</li> <li>• Internet sources</li> <li>• Imaging devices: scanners, digital cameras and/or video cameras with computer systems and software</li> <li>• Video conferencing</li> </ul> </li> <li>2. Determine the impact of technology sources on the learning process</li> <li>3. Select the technology sources appropriate to the academic advancement of the student</li> </ol>
<p><b>Standard 3.</b> <b>Model appropriate behaviors related to equitable, ethical, legal and human issues of technology.</b></p>	<ol style="list-style-type: none"> <li>1. Be aware of and abide by any restrictions in use of software contained in license agreements</li> <li>2. Copy and distribute material in compliance with current copyright and fair use standards</li> <li>3. Ensure that students are aware of and practice appropriate use of technology according to written state, district and school documents</li> </ol>

<p><b>(Societal)</b> <b>ISTE B5, B6, C4, C5</b></p>	<ol style="list-style-type: none"> <li>4. Ensure that all students, regardless of race, gender, religion, and social-economic status, have equitable access to technologies on school premises</li> <li>5. Allow for differences in access to technology outside of school premises when making class assignments</li> <li>6. Ensure that adapting technologies are used to make reasonable accommodations to assist students with physical disabilities</li> <li>7. Ensure that students adhere to appropriate legal and ethical uses of technology in preparing school assignments</li> <li>8. Filter internet content to prevent student exposure to pornographic, hate, and illegal materials</li> <li>9. Protect the privacy of student information</li> </ol>
<p><b>Standard 4.</b> <b>Apply technology tools for developing the instructional process and classroom administration.</b></p> <p><b>(Personal and Professional)</b></p> <p><b>ISTE B1, B2, B3, B4, B7, B8, C2, C3</b></p>	<ol style="list-style-type: none"> <li>1. Utilize multimedia, hypermedia, telecommunications and other technology to : <ul style="list-style-type: none"> <li>· Access resources for planning instructions (MAGNOLIA, ERIC)</li> <li>· Develop lesson plans</li> <li>· Develop/refine curriculum</li> <li>· Conduct research</li> <li>· Prepare lesson presentations</li> </ul> </li> <li>2. Apply software to: <ul style="list-style-type: none"> <li>· Collect data</li> <li>· Manage student information</li> <li>· Create correspondence, newsletters, etc</li> <li>· Develop classroom schedules</li> </ul> </li> <li>3. Access information through: <ul style="list-style-type: none"> <li>· Collegial communications via e-mail, videoconferencing</li> <li>· Distance education technology (professional development/college course work.)</li> </ul> </li> <li>4. Remain current on educational issues and trends via: <ul style="list-style-type: none"> <li>· Listservs</li> <li>· Web browsers</li> <li>· MDE website, TeacherExchange website, MAGNOLIA, etc.</li> <li>· Professional organizations</li> </ul> </li> </ol>
<p><b>Standard 5.</b> <b>Infuse technology into the classroom to facilitate teaching and life-long learning.</b></p> <p><b>(Infusion)</b></p> <p><b>ISTE C3</b></p>	<ol style="list-style-type: none"> <li>1. Use technology to design and deliver instructional practices which foster: <ul style="list-style-type: none"> <li>· Student-centered activities</li> <li>· Critical thinking skills</li> <li>· Problem solving</li> <li>· Creative exploration and productivity</li> </ul> </li> <li>2. Facilitate the integration of technologies across the curriculum</li> <li>3. Assist learning in individual, small, and large groups with technologies</li> <li>4. Effectively use technology in the teaching/learning process</li> </ol>

# Mississippi Technology Standards for Administrators

**General Goal:** Every Mississippi administrator is a leader who initiates, promotes, and supports the effective integration of technology into the educational environment.

<b>Standards for Administrators: The Administrator</b>	<b>Examples of Performance Indicators The Administrator is an instructional leader who:</b>
<p style="text-align: center;"><b>Standard 1</b> <i>(Vision)</i></p> <p style="text-align: center;"><b>Communicates to all stakeholders a vision of the role of technology in teaching and learning</b></p>	<p>Seeks input from stakeholders (e.g., parents, community members, business/industry, teachers, staff, students) in shaping a shared vision of the role of technology</p> <p>Nurtures the ownership of a shared vision of the role of technology</p>
<p style="text-align: center;"><b>Standard 2</b> <i>(Funding and Long Range Planning)</i></p> <p style="text-align: center;"><b>Develops, implements, and monitors a long-range technology plan</b></p>	<p>Provides leadership for development of a long-range plan involving all appropriate stakeholders</p> <p>Designates funds and resources to accomplish goals and objectives of the plan</p> <p>Monitors progress towards defined goals</p> <p>Provides for periodic review and revision of the plan by stakeholders</p>
<p style="text-align: center;"><b>Standard 3</b> <i>(Professional Development)</i></p> <p style="text-align: center;"><b>Initiates and supports professional development processes that produce effective uses of technology in teaching and learning</b></p>	<p>Provides appropriate professional development activities in alignment with a shared vision</p> <p>Provides necessary resources (time, funds, critical information) to support professional development</p> <p>Focuses training opportunities on identified needs</p> <p>Provides opportunities for the professional development follow-up needed for change</p> <p>Monitors and evaluates the effectiveness of professional development experiences toward attaining the desired outcomes</p>
<p style="text-align: center;"><b>Standard 4</b> <i>(Model User)</i></p> <p style="text-align: center;"><b>Models the effective use of technology in support of teaching, learning, and administrative functions</b></p>	<p>Keeps abreast of current research and emerging technologies</p> <p>Maintains electronic records for planning, budgeting, reporting, and monitoring for academic and administrative purposes</p>

	<p>Communicates effectively with stakeholders via electronic media (e.g., e-mail, video teleconferencing, electronic newsletters, presentation software, etc.)</p> <p>Analyzes available data for decision making</p>
<p><b>Standard 5</b> <i>(Learning Environment)</i></p> <p><b>Creates a learning environment that empowers staff to infuse technology into teaching and learning</b></p>	<p>Encourages staff to seek new and innovative ways to integrate technology into curriculum and instruction</p> <p>Acknowledges and rewards exemplary and/or innovative technology integration practices</p> <p>Provides resources to support the use of technology</p> <p>Ensures that technical support is in place</p> <p>Encourages collaboration among colleagues</p> <p>Sets expectations for a technologically rich learning environment</p>
<p><b>Standard 6</b> <i>(Student Learning)</i></p> <p><b>Ensures the implementation of district, school, and classroom strategies that prepare students to be successful in a technological world</b></p>	<p>Assures equity in the availability and accessibility of technology</p> <p>Establishes ongoing dialogue with business/industry and higher education regarding technology skills needed</p> <p>Implements approved curriculum to meet technological skill requirements</p> <p>Aligns curriculum with district, state, and national technology standards</p> <p>Integrates components of the technology plan into the curriculum and programs</p> <p>Monitors and assesses classroom instructional practices for infusion of technology</p>
<p><b>Standard 7</b> <i>(Legal, Ethical, and Security Issues)</i></p> <p><b>Communicates the legal, ethical, and security issues related to technology</b></p>	<p>Adheres to current copyright laws, rights, and responsibilities concerning technology-based resources</p> <p>Initiates policies and procedures that ensure compliance with legal, ethical, and security issues related to technology</p> <p>Implements policies and procedures that ensure compliance with legal, ethical, and security issues related to technology</p> <p>Monitors policies and procedures that ensure compliance with legal, ethical, and security issues related to technology</p>

## DISTRICT TECHNOLOGY STATEMENT OF ASSURANCES

**School District:** Biloxi Public School District - 2420

**The LEA, agency or consortium, in accordance with SB3350 and Mississippi Department of Education policies and procedures, submitting this local technology plan, hereby assures that:**

1. The LEA is an equal opportunity employee and shall perform to all affirmative action and other applicable requirements; accordingly, the applicant does not discriminate nor permit discrimination in its operations or employment practices against any person or group of persons on the grounds of race, color, religion, national origin, handicap or sex in any manner prohibited by law. Further, the applicant agrees to comply with the Civil Rights Acts of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and the Americans with Disabilities Act.
2. The LEA agrees that the Mississippi Department of Education, or any of its duly authorized representatives, at any time during the terms of this technology plan, shall have access to, and the right to audit examine any pertinent books, documents, papers, and records of grantee related to this plan.
3. The LEA certifies that they have not been barred from contracting or otherwise doing business with the State or Federal Governments.
4. This plan, and all matters or issues collateral to it, shall be governed by, and construed in accordance with, the laws of the State of Mississippi.
5. This plan has been reviewed and approved by the District Technology Committee and the District Superintendent.
6. The district has submitted E-rate Form 479/Children's Internet Protection Act (CIPA) and met all other E-rate requirements.

<b>Signature of Superintendent</b>	<b>Date</b>
<b>Chairperson, District Technology Committee</b>	<b>Date</b>

**District Technology Coordinator/Contact:**

<b>Name:</b>	<b>Telephone #:</b>
<b>School District:</b>	<b>Fax #:</b>
<b>Address:</b>	<b>E-mail:</b>

## UNIVERSAL SERVICE (E-RATE) CRITERIA CHECKLIST

The Mississippi Department of Education, Office of Educational Technology is certified by the Schools and Libraries Division to approve technology plans for participation in the Schools and Libraries Universal Service Program. Please use the checklist to determine if your plan has met the criteria outlined below.

Successful technology plans align the overall education or library service improvement objectives with the following five criteria. To qualify as an approved Technology Plan for a Universal Service Program discount, the plan must meet these criteria. It is critical that technology planning not be viewed or treated as a separate exercise dealing primarily with hardware and telecommunications infrastructure. There must be strong connections between the proposed physical infrastructure of the information technology and the plan for professional development, curriculum reform, and library service improvements.

### CRITERIA CHECKLIST

\_\_\_\_ The plan includes an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education.

\_\_\_\_ The plan establishes clear goals and a realistic strategy for using telecommunications and information technology to improve education.

\_\_\_\_ The plan has a professional development strategy to ensure that the staff knows how to use the new technologies to improve education.

\_\_\_\_ The plan provides for a sufficient budget to acquire and maintain the hardware, software, professional development, and other services that will be needed to implement the strategy for improved education.

\_\_\_\_ The plan includes an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

\_\_\_\_\_  
Technology Coordinator

\_\_\_\_\_  
Date