

Governor Morehead School  
Strategic Technology Plan 2009-13

Developed  
By

GMS Technology Committee  
Office of Education Services  
NC Department of Health and Human Services

October 27, 2008



Necessary Components for the LEA Technology Plans  
North Carolina G. S. § Article 8, Part 3A 115c-102.6A-C(16).

In order for local education agencies to meet requirements as set forth in North Carolina General Statute § Article 8, Part 3A 115c-102.6C-A, each section of the plan must include at least one strategy or objective that addresses the following:

**NC public schools will produce globally competitive students.**

1. Mathematics/reading scores improvement
2. Classroom use of student resources
3. IMPACT model implementation
4. Computer Skills Test score improvement
5. Computer Skills Curriculum implementation
6. Information Skills Curriculum implementation
7. Technology integration across the curriculum
8. Student distance learning opportunities
9. Assistive technology availability
10. Global Exchange
11. Support for Early College/Learn and Earn (or similar) programs

**NC public schools will be led by 21st Century professionals.**

1. Teacher/staff skills assessment
2. Diverse training resources (local and online including DPI resources)
3. Follow-up support
4. Local certification and professional development requirements
5. Ethical and professional standards
6. Evaluation of training
7. Readiness of an educator to design, implement, and discuss assessment strategies is referred to as "assessment literacy."
8. Global awareness training\*

*\*Global Awareness:* The recognition and understanding of interrelationships among international organizations, nation-states, public and private economic entities, socio-cultural groups, and individuals across the globe.

**NC public school students will be healthy and responsible.**

1. School campus security (video, alarms, metal detectors, etc.)
2. School bus security (video, radios, cell phones, etc.)
3. Student and Staff ID systems
4. Student Information/Tracking Systems (SIMS/NCWISE, nutrition, etc.)
5. Internet and email filtering/security
6. Classroom telephone systems and other communications devices
7. Website use (district, school and classroom) Flexible access to resources
8. Equitable access to resources

9. Ethical and personal responsibility
10. Policy and procedures to address global, ethical and responsible use
11. Technology used to educate, monitor and maintain healthy student lifestyles

**Leadership will guide innovation in NC public schools.**

1. Leadership enabling Teaching and learning collaborative projects
2. MTAC
3. Leadership communication tools and venues
4. Leadership created professional growth opportunities
5. Partnerships
6. Process for addressing ongoing change

**NC public schools will be governed and supported by 21st Century systems.**

1. Policy
2. Budget
3. Personnel
4. Security
5. Administrative Applications
6. Hardware
7. Infrastructure-School Local Area Networks and District Wide Area Networks
8. Communication and collaboration tools (email, Web 2.0, file management) for clientele

REQUIRED SUBSTANTIVE COMPONENTS  
 OF THE  
 LOCAL SCHOOL DISTRICT TECHNOLOGY PLAN

The local school board has actively involved key stakeholders in the development of a district-wide four-year technology plan that includes the following key components:

- a vision statement consistent with the North Carolina Instructional Technology Plan that reflects the unique qualities and strategic priorities of your local school system;
- the identification of the current situation, goals, objectives and evaluation of the core instructional and administrative components of a technology program that address the five strategic priorities of the Future Ready Students:
  - Globally competitive students
  - 21<sup>st</sup> Century professionals
  - Healthy and responsible students
  - Leadership for innovation
  - 21<sup>st</sup> Century Systems;
- a staff development and training component that reflects a budget of 20 to 30 % of the total cost of the technology program; and
- an infrastructure/connectivity component that meets North Carolina Information Technology Services standards to assure compatibility, connectivity, and cost-effectiveness.

LEA Name: Governor Morehead School/DHHS LEA Number: 997-203

Signature: \_\_\_\_\_  
Superintendent Local Board Chair

Person of Contact: Brad Peterson Telephone number: 919-855-4438



## **VISION**

### ***GMS Technology Vision***

Strengthen students' academic, career and technical proficiency and preparing them to transition successfully to college and careers. Teaching students the new 21<sup>st</sup> century skills which are essential in a competitive global economy. Providing opportunities for students to explore careers in emerging high – growth industries – and meeting the economic development needs of our community. Engaging and motivating students with assistive technology and responding to the needs of underserved students.

Our vision for career and technical education aligns well with broader school reform initiatives. Preparing students with new kinds of knowledge and skills.

### ***OES TECHNOLOGY VISION***

Students, teachers, administrators, and other support staff maximize the use of appropriate technology tools and resources to provide students receiving educational services from Office of Education Services in the North Carolina Department of Health and Human Services with the educational and technical skills necessary to be successful in the 21<sup>st</sup> century global marketplace.

### ***AREAS OF FOCUS***

- **Technology Integration**  
Utilize technology (hardware, software, and Internet resources) to improve educational and vocational outcomes for our students through increased integration of technology into daily classroom living.
- **Communication & Instructional Delivery**  
Utilize technology tools (video conferencing, Intranets, email, blogs, etc.) to improve communication, facilitate collaboration, share best practices, and provide distant learning opportunities for all students served by our office.
- **Data Utilization**  
Utilize technology tools (student management systems, online assessment programs, dashboards, etc.) to improve decision making at all levels of the organization from the superintendent to the student through collection, delivery, and evaluation of data.

**NC public schools will produce globally competitive students.  
Current Situation Narrative**

Our strategies for globally competitive students is to provide instructional technology tools and training to foster mathematics/reading score improvement. Develop classroom use of student resources in support of the NC Standard Course of Study (ie. NC WiseOwl, Kaleidoscope, SAS inSchool). Promote the implementation of the IMPACT model. Provide a plan (curriculum integration and necessary remediation) designed to improve Computer Skills Test scores. Promote the Computer Skills Curriculum implementation and integration across all grade levels and subject areas.

Promote the Information Skills Curriculum implementation across all grade levels. Promote technology integration across the curriculum. Provide student distance learning opportunities to ensure equitable educational opportunities to all students. Make available assistive technology resources to ensure equitable educational resources to all students. Impart students with opportunities for global exchange projects. Provide support for Early College (or similar) programs.

The Outreach program serves all the districts and provides to student with visual impairment across the state an opportunity to trial various low vision and assistive technology devices.

Technology is used throughout the day to support student achievement at GMS. Technology is used in the classrooms and includes computers with voice output, font enhancing program, portable technology devices including Braille and speaks, and Book Ports. Student use the equipment to access the general curriculum and other experiences that would support their access and achievement.

The key technology programs to support achievement are GMS as JAWS, ZoomText, Duxbury, and auditory reading programs. Technology is being used to assess and benchmark student achievement through test builds that reflect student test scores and growth, annual head counts that reflect students; IEP's and yearly growth, and preliminary steps toward mandated computer competency test taken online will also assess student achievement. The plan is structured around IMPACT Model which provides personnel collaboration that provides the instruction that fosters critical thinking and problem solving skills.

The media center, classrooms, homework center and cottages provides resources to meet the diverse learning styles, multicultural backgrounds and physical challenges (assistive/adaptive devices, etc.) of our unique population of VI and multi-disability students. However, it is impossible to fully implement the IMPACT model since GMS does not employ a licensed, media specialist. The average number of computers per classroom is two. All classrooms at GMS have Internet access. Instruction support distant learning in every classroom.

**NC public schools will produce globally competitive students.  
Strategic Technology Plan: GMS Instructional Program (K-12)**

Include at least one strategy or objective that includes the following:

1. Mathematics/reading scores improvement
2. Classroom use of student resources
3. IMPACT model implementation
4. Computer Skills Test score improvement
5. Computer Skills Curriculum implementation
6. Information Skills Curriculum implementation
7. Technology integration across the curriculum
8. Student distance learning opportunities
9. Assistive technology availability
10. Global Exchange
11. Support for Early College (or similar) programs

Objective 1A: Incorporate technology integration across the curriculum.

Objective 1B: Assistive technology will be available for student use.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>1.1 Every student evaluated for technology needs required to access computer for use in meeting educational requirements.</i>	<i>Teacher with knowledge of accessibility hardware, software used by students with v.i., blindness.</i>	<i>OutReach; ShortTerm Staff; K-12 computer Teacher; K-12 staff</i>	<i>TBD</i>	<i>GMS Budget, Local/state/federal</i>	<i>Beginning September 2008; ongoing</i>	<i>Teacher evaluations using formal/informal assessment tools</i>

<i>1.2 Every high school student given opportunity to participate in online courses and local high school courses, as appropriate.</i>	<i>Technology teacher; assistive hardware, software</i>	<i>K-12 technology teacher; K-12 staff; Principal</i>	<i>\$100,000</i>	<i>Local/state/federal</i>	<i>Beginning September 2008; ongoing</i>	<i>Teacher evaluations; student satisfaction survey feedback;</i>
<i>1.3 Laptops for GMS middle and high school students for after-school, weekend educational use.</i>	<i>Technology teacher; assistive hardware, software</i>	<i>K-12 technology teacher; residential life staff; principal</i>	<i>\$40,000</i>	<i>Local, state, federal, other grants</i>	<i>Beginning, September, 2008; ongoing</i>	<i>Teacher evaluations of usage; student feedback</i>
<i>1.4 Every student given the opportunity to trial technology devices, software, related to recommendations generated through evaluation</i>	<i>Teacher with knowledge of accessibility hardware, software used by students with v.i., blindness</i>	<i>OutReach; ShortTerm Staff; K-12 computer teacher; K-12 staff</i>	<i>\$75,000 for hardware, software</i>	<i>GMS Budget, local, state, federal</i>	<i>Beginning September, 2008; ongoing</i>	<i>Teacher logs of performance</i>

**NC public schools will produce globally competitive students.  
Strategic Technology Plan: OES**

Include at least one strategy or objective that includes the following:

1. Mathematics/reading scores improvement
2. Classroom use of student resources
3. IMPACT model implementation
4. Computer Skills Test score improvement
5. Computer Skills Curriculum implementation
6. Information Skills Curriculum implementation
7. Technology integration across the curriculum
8. Student distance learning opportunities
9. Assistive technology availability
10. Global Exchange
11. Support for Early College (or similar) programs

Objective 1C: By June 2013, all teachers and students will utilize accessible laptop computers (or similar devices) and other types of technology during at least 50% of their instructional day.

Objective 1D: By June 2013, students will pass achievement tests and graduate at or about the current North Carolina state average.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>1.5 Hire and Maintain Instructional Technology Facilitator through reallocation of position</i>	<i>GMS Technology Facilitator/TBA Job Description</i>	<i>GMS School Director, Human Resources</i>	<i>\$35,000- \$55,000</i>	<i>Reallocation of current teaching position</i>	<i>Beginning August, 2009  Ending June 2013</i>	<i>Position Filled</i>
<i>1.6 Purchase laptop computers (or similar devices) for all K-12 students instructional</i>	<i>Equipment Specifications</i>	<i>GMS Technology Facilitator/TBA, Technology Support Analyst, Budget Manager</i>	<i>\$50,000 per year</i>	<i>Reallocation of current resources</i>	<i>Beginning August, 2010  Ending June 2013</i>	<i>Equipment Inventory</i>
<i>1.7 Assist in the development and implementation of teacher lesson plans to maximize use of laptop computers</i>	<i>Collaboration time built into schedule</i>	<i>GMS Technology Facilitator/TBA, Media Coordinator</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2010  Ending June 2013</i>	<i>Teacher lesson plans, Observations, Schedules</i>

**NC public schools will produce globally competitive students.  
Strategic Technology Plan: GMS K-12 Instructional**

Include at least one strategy or objective that includes the following:

1. Mathematics/reading scores improvement
2. Classroom use of student resources
3. IMPACT model implementation
4. Computer Skills Test score improvement
5. Computer Skills Curriculum implementation
6. Information Skills Curriculum implementation
7. Technology integration across the curriculum
8. Student distance learning opportunities
9. Assistive technology availability
10. Global Exchange
11. Support for Early College (or similar) programs

Objective 1E: By June 2013, school will offer at least one course at each residential school through the North Carolina Virtual School System.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>1.8 Hire and Maintain Instructional Technology Facilitator through reallocation of position</i>	<i>GMS Technology Facilitator/TBA Job Description</i>	<i>GMS School Director, Human Resources</i>	<i>\$35,000 - \$55,000</i>	<i>Reallocation of current teaching position</i>	<i>Beginning August, 2009  Ending June 2013</i>	<i>Position Filled</i>
<i>1.9 Purchase laptop computers (or similar devices) for all K-12 students instructional</i>	<i>Equipment Specifications</i>	<i>GMS Technology Facilitator/TBA, IT Analyst, Budget Manager</i>	<i>\$50,000 per year</i>	<i>Reallocation of current resources</i>	<i>Beginning August, 2009  Ending June 2013</i>	<i>Equipment Inventory</i>

<i>1.10 Assist in the development and implementation of teacher lesson plans to maximize use of laptop computers</i>	<i>Collaboration time built into schedule</i>	<i>GMS Technology Facilitator/TBA, Media Coordinator</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2008</i>  <i>Ending June 2013</i>	<i>Teacher lesson plans, Observations, Schedules</i>
<i>1.11 Assess current teacher/staff technology skills and identify LEAD teachers to assist other teachers</i>	<i>Survey</i>	<i>GMS Technology Facilitator/TBA, GMS Principal</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2009</i>  <i>Ending June 2013</i>	<i>Survey Results, List of LEAD teachers</i>
<i>1.12 Teachers proficient in technology skills found on DPI website</i>	<i>Staff Development</i>	<i>School Principal</i>	<i>\$12000 per year</i>	<i>Instructional Staff development</i>	<i>Beginning August 2008</i>  <i>Ending 2013</i>	<i>Teacher observations, CEU documentation</i>
<i>1.13 Develop specific guidelines and procedures regarding ethnical and professional standards for 1:1 laptop environment</i>	<i>Current policies, procedures, and guidelines</i>	<i>District Personnel, Media &amp; Technology Advisory Team</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2009</i>  <i>Ending June 2013</i>	<i>Guidelines and Procedure in place and shared with staff</i>
<i>1.14 Provide face-to-face and online trainings to teachers on how to teach in a 1:1 laptop environment</i>	<i>Friday Institute Training and Facilities Technology Facilitator Led Local Training</i>	<i>GMS Technology Facilitator/TBA, District Office Personnel</i>	<i>\$5,000 per year</i>	<i>Reallocation of current staff development and travel resources</i>	<i>Beginning August, 2009</i>  <i>Ending June 2013</i>	<i>Sign in sheets, Certificates of Completion, Staff Development Forms, Evaluation Forms</i>

<i>1.15 Provide ongoing daily support to teachers</i>	<i>GMS Technology Facilitator/TBA, LEAD Teachers</i>	<i>GMS Technology Facilitator/TBA, LEAD Teachers</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2009</i>  <i>Ending June 2013</i>	
<i>1.16 Set up distance learning classroom and video conferencing capability through purchase of necessary hardware and/or software</i>	<i>ITS, DIRM, Video Conferencing Equipment &amp; Software</i>	<i>GMS IT Support Analyst, Budget Manager</i>	<i>\$25,000</i>	<i>E-Rate, State Funding</i>	<i>Beginning August, 2008</i>  <i>Ending June 2013</i>	<i>Certified Room, Connection Tests</i>
<i>1.17 Receive courses through the Virtual School System for remediation and enrichment</i>	<i>Video Conferencing Equipment &amp; Software, Laptop Computers, Virtual School System</i>	<i>GMS Technology Facilitator, Virtual School System Personnel</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2010</i>  <i>Ending June 2013</i>	<i>Course List, Transcripts</i>
<i>1.18 Develop course designed for specifically for students with disabilities to be taught through the Virtual School System</i>	<i>Expert Teachers in disability education to be Course Facilitator</i>	<i>GMS Technology Facilitator/TBA, Course Facilitator (Teacher)</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2008</i>  <i>Ending June 2013</i>	<i>Course Offering List, Transcripts</i>

**NC public schools will be led by 21st Century professionals.  
Current Situation Narrative**

Provide an opportunity for teacher/staff skills assessment and implement diverse training resources (local and online including DPI resources). Provide the opportunity for follow-up support. Provide local certification and professional development requirements. Promote ethical and professional standards. Provide evaluation of training and promote readiness of an educator to design, implement, and discuss assessment strategies (“assessment literacy”). Advocate Global awareness training.

**NC public schools will be led by 21st Century professionals.  
Strategic Technology Plan: GMS K-12 Instructional**

Include at least one strategy or objective that includes the following:

1. Teacher/staff skills assessment
2. Diverse training resources (local and online including DPI resources)
3. Follow-up support
4. Local certification and professional development requirements
5. Ethical and professional standards
6. Evaluation of training
7. Readiness of an educator to design, implements, and discuss assessment strategies ("assessment literacy.")
8. \*\*\*Global awareness training

**Objective 2A: Provide local certification and professional development requirements.**

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>2.1 Provide professional development to help teachers integrate technology into the curriculum.</i>	<i>Assistive technology trainer/specialist; low vision, Braille specific assistive technology hardware, software</i>	<i>GMS Technology Coordinator/ TBA</i>	<i>\$50,000.00/per school for equipment, software and connectivity for staffed and in service with the teachers</i>	<i>Local, state, federal, other.</i>	<i>Beginning September 2008; ongoing</i>	<i>Sign in sheets, Training evaluations, Principal observations</i>
<i>2.2 Continuing requirement for technology credit for teacher licensure renewal</i>	<i>Staff development materials, instructor</i>	<i>Principal; technology coordinator</i>	<i>\$10,000 for training expenses, personnel, materials</i>	<i>Local, state, federal, other</i>	<i>Beginning, September 2008; ongoing</i>	<i>Sign in sheets; CEU paperwork documentation</i>

**\*\*\*Global Awareness:** The recognition and understanding of interrelationships among international organizations, nation-states, public and private economic entities, socio-cultural groups, and individuals across the globe

**NC public schools will be led by 21st Century professionals.  
Strategic Technology Plan: OES**

Include at least one strategy or objective that includes the following:

1. Teacher/staff skills assessment
2. Diverse training resources (local and online including DPI resources)
3. Follow-up support
4. Local certification and professional development requirements
5. Ethical and professional standards
6. Evaluation of training
7. Readiness of an educator to design, implement, and discuss assessment strategies ("assessment literacy.")
8. \*\*\*Global awareness training

Objective 2B: By June 2013, all teachers and students will utilize accessible laptop computers (or similar devices) and other types of technology during at least 50% of their instructional day.

Objective 2C: By June 2013, students will pass achievement tests and graduate at or about the current North Carolina state average.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>2.3 Purchase laptop computers (or similar devices) for all teachers</i>	<i>Equipment Specifications</i>	<i>GMS Technology Facilitator/TBA, IT Analyst, Budget Manager</i>	<i>\$50,000 per year</i>	<i>Reallocation of current resources</i>	<i>Beginning August, 2010  Ending June 2013</i>	<i>Equipment Inventory</i>
<i>2.4 Assess current teacher/staff technology skills and identify LEAD teachers to assist other teachers</i>	<i>Survey</i>	<i>GMS Technology Facilitator/TBA, GMS Principal</i>	<i>None</i>	<i>None</i>	<i>Beginning August, 2009  Ending June 2013</i>	<i>Survey Results, List of LEAD teachers</i>

2.5 Develop specific guidelines and procedures regarding ethnical and professional standards for 1:1 laptop environment	Current policies, procedures, and guidelines	District Personnel, Media & Technology Advisory Team	None	None	Beginning August, 2009  Ending June 2013	Guidelines and Procedure in place and shared with staff
2.6 Provide face-to-face and online trainings to teachers on how to teach in a 1:1 laptop environment	Friday Institute Training and Facilities Technology Facilitator Led Local Training	Technology Facilitator, District Office Personnel	\$5,000 per year	Reallocation of current staff development and travel resources	Beginning August, 2009  Ending June 2013	Sign in sheets, Certificates of Completion, Staff Development Forms, Evaluation Forms
2.7 Provide ongoing daily support to teachers	Technology Facilitator, LEAD Teachers	Technology Facilitator, LEAD Teachers	None	None	Beginning August, 2010  Ending June 2013	

\*\*\***Global Awareness:** The recognition and understanding of interrelationships among international organizations, nation-states, public and private economic entities, socio-cultural groups, and individuals across the globe

**NC public school students will be healthy and responsible.**  
**Current Situation Narrative**

Provide adequate, safe education facilities that support high student performance through the use of a variety of technology resources that include: alarm systems; fixed and mobile metal detectors, and ID card systems. Provide a safe environment by the monitoring of student movement through the use of a variety of technology resources that include: buses equipped with video cameras; video camera systems to monitor schools, playgrounds, parking lots, and sports areas. Provide a means for faculty and staff to communicate through the use of school- wide telephones, cell phones, intercoms, and radios. Provide an adequate, safe method for monitoring student performance through methods that could include: student information system programs such as SIMS and NCWise; student management programs such as L-System; nutritional tracking systems like Nutri-Kids and Point of Sales.

Offer a safe environment for data to be collected and used through the use of: Internet Filtering based on CIPA; email filtering; up-to-date school and district websites that include the use of email to communicate with parents and students; and other security measures. Provide flexible, equitable access to resource.

Present opportunities for students to learn, model ethical and personal responsibility. Provide policy and procedures to address global, ethical and responsible use. Provide technology used to educate, monitor and maintain healthy student lifestyles.

**NC public school students will be healthy and responsible.**  
**Strategic Technology Plan: GMS K-12 Instructional**

Include at least one strategy or objective that includes the following:

1. School campus security (video, alarms, metal detectors, etc.)
2. School bus security (video, radios, cell phones, etc.)
3. Student and Staff ID systems
4. Student Information/Tracking Systems (SIMS/NCWISE, nutrition, etc.)
5. Internet and email filtering/security
6. Classroom telephone systems and other communications devices
7. Website use (district, school and classroom)
8. Flexible access to resources
9. Equitable access to resources
10. Ethical and personal responsibility
11. Policy and procedures to address global, ethical and responsible use
12. Technology used to educate, monitor and maintain healthy student lifestyles

Objective: 3A: Provide adequate safe education facilities and emergency communications.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>3.1 Deploy surveillance cameras in halls, stairwells, front and rear gates, playgrounds, and parking lots.</i>	<i>Cameras and computer equipment and software/speaker microphone</i>	<i>Facilities director Technology Coordinator Safety Director</i>	<i>\$100,000.00</i>	<i>Local, state, federal, other  E-RATE</i>	<i>Beginning September, 2008  Ending June 2013</i>	<i>Observation, discipline records, vandalism reports</i>

<p>3.2 Install video cameras on all buses</p>	<p>Cameras Computer equipment Software</p>	<p>Technology Coordinator Safety Director Transportation Coordinator</p>	<p>\$25,000</p>	<p>GMS Budget</p>	<p>Beginning July, 2008 Ending August, 2009</p>	<p>Observation Transportation Reports</p>
<p>3.3 Install two-way intercom/ landline telephone system for <u>each</u> classroom, office and cottage plus rooms in major ancillary facilities; (DSB/ Rural Health/NCCU/Gym/ Dining Hall/Audit.) Capabilities must include intercom for voice and sound alarm signal. Current system inadequate</p>	<p>Fiber Optics from across Western; telephone/ intercoms; wiring and setup; computerized switch-board</p>	<p>DIRM Technology Coordinator Safety Director Receptionist</p>	<p>\$250,000</p>	<p>E-RATE</p>	<p>Beginning January 2009  Ending June 30, 2009</p>	<p>Telephone Logs Receptionist reports Efficacy during drills</p>

<p>3.4 Automatic dialing phones system from buildings to immediately connect to fire department when fire alarm sounds</p>	<p>Phones Computer switching software to change and coordinate calls DIRM</p>	<p>Police and Fire Departments School Director Safety Director Technology Director</p>	<p>\$125,000</p>	<p>E-RATE</p>	<p>Beginning July 1, 2010  Ending June 30, 2012</p>	<p>Drills with building alarms and Fire and Police Departments GMS Security Guards</p>
<p>3.5 Deploy siren for immediate notification of campus in case of severe weather or workplace violence</p>	<p>Tower with siren Remote activation (phones and software) Solar power</p>	<p>Property and Construction School Director Safety Director Technology Director</p>	<p>\$75,000</p>	<p>GMS Budget</p>	<p>Beginning January 1, 2010  Ending June 30, 2010</p>	<p>Drills Emergency Activation</p>
<p>3.6 Install guardhouse with LobbyGuard to screen staff and guests. Provides capacity to check individual backgrounds and provide nametag</p>	<p>LobbyGuard Computer 2 Guardhouses</p>	<p>OES School Director Safety Director Director</p>	<p>\$65,000</p>	<p>E-RATE</p>	<p>Beginning January 1, 2011  Ending June 30, 2011</p>	<p>Random Checks Summary Reports</p>

3.7 Lock all doors and install card swipe system for staff	Door Locks Magnetized swipe cards	DIRM Technology Director Safety Director	\$30,000 per building	GMS Budget E-RATE	Beginning January 1, 2011  Ending June 30, 2011	Observation Repair Reports
3.8 Reverse 911 system to simultaneously contact parents or students with emergency news or information	Computer with switching equipment Telephones	DIRM Principal School Director Safety Director	\$75,000	E-RATE	Beginning January 1, 2009  Ending June 30, 2009	Trial Run Assessment of actual emergency
3.9 AUP policies and procedures outlined in the GMS Student Handbook will be followed by students and staff when accessing information on Websites	All GMS staff who are supervising students while they are accessing Websites Internet Blocking Software	GMS Staff members who are supervising students while students are accessing Web Sites	Salaries	GMS Budget	Beginning September 2005  Ending June 2009	Observations
3.10 The GMS web site will be used as a portal of information for students, families, staff and the public	Maintenance of the web site with updated information	GMS Staff assigned to this task	None	N/A	Beginning in Spring 2009	Satisfaction surveys of stakeholders; number of hits on the web site.

**Leadership will guide innovation in NC public schools.**  
**Current Situation Narrative**

Provide opportunities for leadership that enables teaching and learning collaborative project. Provide for school and district MTACs to help guide decision making. Provide leadership communication tools and venues. Provide leadership created professional growth opportunities. Provide partnerships in support of education. Provide a process for addressing ongoing change.

**Leadership will guide innovation in NC public schools.  
Strategic Technology Plan: GMS K-12 Instructional**

Include at least one strategy or objective that includes the following:

1. Leadership enabling teaching and learning collaborative projects
2. Media and Technology Advisory Committee
3. Leadership communication tools and venues
4. Leadership created professional growth opportunities
5. Partnerships
6. Process for addressing ongoing change

Objective 4A: Provide partnerships in support of student education program.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
<i>4.1 Provide staff development and "open houses" to TVIs at school and in NC LEAs.</i>	<i>AT hardware, software; OutReach, ShortTerm staff; K-12 instructional staff</i>	<i>Technology teacher; OutReach, ShortTerm staff; Principal</i>	<i>\$15,000.00 per year</i>	<i>Local, state, federal, other.</i>	<i>Beginning September 2009; ongoing</i>	<i>Community survey results</i>

**NC public schools will be governed and supported by 21st Century systems.  
Current Situation Narrative**

Provide a system policy and policy management that support technology in schools. Create a budget system that allows for continued support and growth. Provide the necessary technical and instructional personnel to support technology in schools. Provide adequate security of students and networks. Provide administrative applications in support of education.

Provide plans for the maintenance and replacement of hardware. Provide and secure infrastructure including School Local Area Networks and District Wide Area Networks. Provide communication and collaboration tools for student, teacher, and administrative use.

**NC public schools will be governed and supported by 21st Century systems.  
Strategic Technology Plan: GMS K-12 Instructional**

Include at least one strategy or objective that includes the following:

1. Policy and policy management
2. Budget
3. Personnel
4. Security
5. Administrative Applications
6. Hardware
7. Infrastructure-School Local Area Networks and District Wide Area Networks
8. Communication and collaboration tools

Objective 5A: Provide adequate security of students and networks. Provide administrative applications in support of education. Provide plans for the maintenance and replacement of hardware. Provide and secure infrastructure including School Local Area Networks and District Wide Area Networks. Provide communication and collaboration tools for student, teacher, and administrative use.

<b>Strategy</b>	<b>Resources Needed (Human &amp; Material)</b>	<b>Person(s) Responsible</b>	<b>Budget Needs</b>	<b>Funding Sources</b>	<b>Time-line (Proposed Beginning &amp; Ending dates)</b>	<b>Method of Evaluation</b>
5.1 <i>Provide document sharing capability to the District Website</i>	<i>Docu-share software Technical support personnel High speed Internet Access</i>	<i>Technology Principal</i>	<i>\$10,000.00</i>	<i>Local, state, federal, other</i>	<i>Beginning September, 2008  Ending May, 2010</i>	<i>Staff satisfaction survey, observation, document use log</i>
5.2 <i>Wide Area Networks</i>	<i>Wireless Connectivity/Application Software Installation/ Hardware Cabling and Maintenance</i>	<i>IT Analyst GMS Principal</i>	<i>\$125,000.00</i>	<i>E-Rate, other Grant funding</i>	<i>Beginning August 2009  Ending January 2010</i>	<i>Staff satisfaction survey, observation, document use log</i>
5.3 <i>Local Area Network Infrastructure</i>	<i>CISCO Routers, Switches, Wiring, Installation, Servers Email Service and Email Accounts Cabling, T-1 line</i>	<i>IT Analyst GMS Director</i>	<i>\$125,000.00</i>	<i>E-Rate</i>	<i>Beginning September 2009  Ending June 2010</i>	<i>Staff satisfaction survey, observation, document use log</i>
5.4 <i>Hardware</i>	<i>Staff Desktops/Laptops/ Video/Conference Room-Kiosk</i>	<i>IT Analyst GMS Advisory Committee</i>	<i>\$15,000.00</i>	<i>Local, state, federal, others</i>	<i>Beginning January 2010</i>	<i>Staff satisfaction survey, observation, document use log</i>

Appendix A

Governor Morehead School Technology Plan  
**Policy, Procedure, & Guidelines Implementation Chart**

<b>Policies, Procedures, &amp; Guidelines</b> (Policies should be translated into predominant languages of students and parents)	<b>LEA Policy Code or Procedure</b>	<b>LEA Date of Adoption, Implementation or Revision</b>
<b>Policies Required</b>		
A. Materials Selection Policy (GS §115c-98(b))	Material Policy - DHHS	6/15/05
B. Disposal of Equipment / Replacement of Obsolete Equipment (GS §115c-518)	State Surplus Policy	3/18/08
C. Hardware and Software Procurement (GS § 115c-522, 115c-522.1)	OES Purchasing Policy	3/17/08
D. Copyright Policy (PL §94-553, 90 Stat. 2541)	Copyright Policy - DHHS	6/15/05
E. Acceptable Use Policy (PL §106-554)	Acceptable Use Policy - DHHS	6/15/05
F. Equipment/Materials Donation Policy (GS §115C-518)	GMS Policy	6/15/05
G. Data Privacy Policy (20 U.S.C. § 1232g; 34 CFR Part 99 (FERPA))	DHHS Privacy Manual Several Policies	6/15/05
H. Inventory Control Policy (GS §115c-539, 115c-102.6A-C(5))	DHHS Fixed Asset Policy	6/15/05
I. Access to Services Policy (GS §115c-106)	DHHS Communications Accessibility Guidelines	12/19/03
J. Student Discipline and Liability Policy (GS § 115C-391, 115C-398)	GMS Policy	6/15/05
K. Remote Access Policy (GS §147-33.111)	Remote Access - AUP	6/15/05
L. Virus Protection Policy (GS §147-33.111)	Security Awareness/Network Security	6/15/05
M. NC WISE ID and Password Workstation Policy (GS § 147-33.111)	Workstation Security - AUP, Authorization, Identification and Authentication Policy	6/15/05
N. Security Awareness Policy (GS §147-33.111)	DHHS Security Training & Awareness Policy	6/15/05
O. Network Security Policy (SBE EEO-C-018, SB 991, 2004)	DHHS Network Security Policy	6/15/05
P. Advertising and Commercialism Policy (GS §115c-98)	Advertising - DHHS	6/15/05
Q. Student Internet Access and Electronic Mail (OES)	OES Student Internet Access and Electronic Mail	4/23/02
<b>Procedures</b>		
A. Hardware and Software Deployment	GMS Policy	10/15/08
B. Equipment maintenance and repairs	DHHS Policy	6/15/08
C. Outdated Resources and Equipment Replacement	GMS Policy	10/15/08
D. Disaster Recovery of Data and Hardware	Pending Approval	
E. Administration of Online Courses	GMS Policy	10/15/08
F. Request for Unblocking URL (OES)	OES	Under Development
<b>Guidelines</b>		
A. Policy Translation	DHHS Policy	10/15/08
B. Web Site Development	Public Websites DHHS Policy	8/27/2008
C. Instructional Use of Videos	GMS Policy	10/15/08
D. Development of Online Resources	GMS Policy	10/15/08

## Appendix B

### The Technology Plan Budget

LEAs will be required to submit a two-part budget on or before November 1 of each year. Part one will consist of a working budget for the current year. Data needed for input in the spreadsheet include:

- Item
- Type
- Per Unit Cost
- Number of Units Purchased
- Total Annual Unit Cost
- Erate %
- Lease Cycle
- Primary Funding (drop-down menu provided)
- Secondary Funding (drop-down menu provided)
- Primary Goal (drop-down menu provided)
- Secondary Goal (drop-down menu provided)
- Primary User (drop-down menu provided)
- Secondary User (drop-down menu provided)

Part two will include the same components as a projected budget for the following school year.

The budget spreadsheet is available for download from <http://etips.dpi.state.nc.us/techplan0913/default.html>.

## Appendix C.

### Network Diagrams

