

The Magellan Charter School Strategic Technology Plan

2009-2013



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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
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

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
 - 21st Century professionals
 - Healthy and responsible students
 - Leadership for innovation
 - 21st 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: The Magellan Charter School
Signature: Mary Griffin
Superintendent

LEA Number: 92D
Local Board Chair

Person of Contact: Jeanne Munoz

Telephone number: 919-844-0277

Technology Committee Members

All committee members have been involved in the development of this plan and support its implementation.

Name	Title or Group Represented	Signature	Date
Mary Griffin	Administrator	_____	_____
Hoey Crain	Network Admin	_____	_____
Jeanne Munoz	Instructional Tech Teacher	_____	_____
Linda Beard	Teacher	_____	_____
Sharon Blalock	Teacher	_____	_____
Wanda Sutton	Teacher/parent	_____	_____
Erin Gallagher	Teacher	_____	_____
Susan Young	Teacher	_____	_____
Carla Smith	Board member/ parent	_____	_____
Maria Morton	Teacher/Parent	_____	_____
		_____	_____
		_____	_____
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VISION

We envision a school in which technology and 21st Century skills have been infused into the learning process, enabling a truly value-added educational experience for teachers and students alike. Students will become computer-literate, comfortable and proficient using technology as a primary learning tool. They will use technology on a regular basis to access information, understand and communicate, thereby developing skills that will last a life time. Magellan teachers and staff will continually develop innovative uses of technology to enhance the learning environment and efficiently manage the school. Moreover, Magellan's use of technology will be one of the factors attracting new students to the school.

Technology is an ever-evolving process and we will continue to seek new ways to ensure that state-of-the-art technology remains an important component of Magellan's curriculum.

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

Because of school improvement initiatives supported by The Magellan Charter School Board of Directors, parents and staff members, technology is accessible in many forms to all Magellan students. Teachers integrate technology into their instruction in a variety of ways including the use of computers, videos and DVDs, an e-Instruction CPS system, calculators, microscopes, computer and calculator-based probe ware, interactive pads and white boards, and data projectors. Students access additional educational Internet resources through our DSL connection. Magellan has two computer labs with a total of 42 networked computers, and an average of four desktop computers and one teacher laptop per classroom. Two mobile laptop labs with 14 computers each are available for classroom use. A full-time instructional technology teacher is available to assist teachers in the integration and teaching of technology skills.

Magellan students not only use technology as a productivity tool, but to foster creativity, critical thinking, and problem-solving skills. Various technologies are utilized to present, practice, review, and explore educational topics interactively and visually. Students collect, share, analyze, and interpret data. They use technology to research and communicate information during project-based learning activities. Magellan students practice and apply technology skills to increase learning in reading, writing, math, social studies and science at all grade levels while using application software such as Microsoft Office and Microsoft Works, and curriculum-based programs like I Love Math, and Geometer's Sketchpad. They also use multi-media software, such as Hyperstudio, and graphic organizer software, such as Inspiration, to organize and synthesize information. Third graders are introduced to keyboarding skills using the Hertzog method and progress to additional practice with Typing Tutor software. Laptops and data projectors are used by teachers to share educational resources in the class room such as virtual science experiments, math problems, and virtual fieldtrips; students also use this equipment to present project-based multimedia products. Assessment is conducted using the CPS system, online resources such as Study Island, and science curriculum software. Students participate in other distance learning opportunities such as the virtual field trips by Ball State University, and collaborative projects like the Global Water Study project. Our school web site is not only a communication tool for our community, but allows student access to a web folder where they can locate and use educational materials from their teachers.

The Magellan Charter School has no media center. Teachers reserve computer lab time as needed to enhance their learning objectives. All computers have Internet access.

Teachers work collaboratively with the Instructional Technology teacher to identify objectives in their curriculum where learning would be enhanced by technology, to create lessons integrating the NC Computer skills curriculum, and to teach the lessons. They participate in professional development at the point of instruction through modeling, team teaching, and follow up evaluation. Teachers are surveyed to provide relevant workshop

sessions and staff development. During these sessions resources such as NC Learn, NC Wise Owl, and SAS in Schools have been introduced.

Workshops are offered for teachers to introduce tools and resources for global collaboration. Opportunities for global exchange and partnerships are located and provided to the teachers such as ePals, CILC, Think.com, and Global Schoolnet. Magellan has participated in projects with exchanges of data (such as the CIESE Global Water Project). Video conferences are planned next year with fourth grade classes in Tennessee.

Magellan's charter does not include the study of foreign language; however, our 6th grade social studies teacher is researching the use of foreign language podcasts for her students as they study Europe. Some teachers are participating in workshops about Web 2.0 tools for communication beyond the classroom. There is interest in ePals, which has been used previously to communicate with students in China. The school has a membership in Think.com, an international community, which we hope to begin using in the 2009-2010 school year.

Assistive technologies are provided to students according to their IEP. Currently we are using computers to assist in writing. We are considering the use of MP3 players for recording "Read Aloud" materials.

Since Magellan's population is grades 3-8, we do not currently participate in Early College and Learn and Earn programs. The school will look into these programs, as well as the NC Virtual High School, to obtain classes for advanced students.

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

Include at least one strategy or objective that addresses 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

Strategic Priority 1: NC public schools will produce globally competitive students.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Every student excels in rigorous and relevant core curriculum that reflects what students need to know and demonstrate a global 21st Century environment, including a mastery of languages, an appreciation of the arts, and competencies in the use of technology.							
<input checked="" type="checkbox"/> Every student’s achievement is measured with an assessment system that informs instruction and evaluates knowledge, skills, performance, and dispositions needed in the 21st Century.							
<input checked="" type="checkbox"/> Every student will be enrolled in a course of study designed to prepare them to stay ahead of international competition.							
<input checked="" type="checkbox"/> Every student uses technology to access and demonstrate new knowledge and skills that will be needed as a life-long learner to be competitive in a constantly changing international environment.							
<input type="checkbox"/> Every student has the opportunity to graduate from high school with an Associates Degree or college transfer credit.							
Objective 1.1 Students will meet or exceed growth standards on the 4 th -8 th grade EOGs in both reading and math.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
1.1.1 Use online and server-based web quests and interactive resources to improve critical thinking and reading and further math skills.	Access to computer; online and teacher made resources such as SCORE Cyberguides, AAA Math, “I Love Math” software,	Language Arts and math teachers, instructional technology teacher	\$4,500.00 (online reading/math/science management program)	State, Local, Fundraising	Beginning September 2009 Ending June 2013 Reviewed annually in May	EOGs	

	etc.						
1.1.2 Use online textbooks and textbook related software for class room learning activities.	Teacher with knowledge of materials; teacher training; purchase of text book resources such as McDougal-Littel science and math text book software; access to computers.	Teachers and Instructional technology teacher	\$750.00 for textbook related software	State, Local, Fundraising	Beginning September 2009 Ending May 2013 Reviewed annually in June	Survey of teachers	
1.1.3 Use free NC DPI and subscription online resources for class room learning activities.	Teacher with knowledge of resources; teacher training about resources; NC DPI resources such as Kaleidoscope, NC Wise Owl, SAS; other resources such as Brainpop, Quia, United Streaming, etc.	Teachers and Instructional technology teacher	\$4000.00 for subscriptions	Fundraising	Beginning September 2009 Ending May 2013 Reviewed annually in June	Survey of teachers	
1.1.4 Use cross-curricular, technology-infused, lesson plans to reinforce learning.	All teachers, computers with access to the internet	Classroom teachers	Teacher salaries "in kind"	State, local	Beginning September 2009 through May 2013 Reviewed annually in May	EOGs	

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Objective 1.2 All students will pass the 8 th Grade Computer Skills Test and learn Information Skills prior to graduation							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
1.2.1 All teachers will integrate technology competency skills consistent with the Standard Course of Study throughout their curriculum to	Classroom teachers, computers with internet access to online curriculum.	Classroom teachers	Teacher salaries, “in kind”	School operating budget based on state/local per pupil allotment; fundraising	Beginning September 2009 through May 2013 Reviewed	8 th Grade Computer Skills Test reviewed annually	

provide adequate practice of the computer competency and, Information Skills.					annually in April		
1.2.2 Students and teachers will use the correct technology vocabulary terms at each grade level to introduce and practice computer terminology needed for the computer test.	List of computer skills vocabulary; instructional technology teacher and classroom teachers; application software for lessons; CPS	Class room teachers, instructional technology teacher	Teacher salaries, "in kind"	School operating budget based on state/local per pupil allotment; fundraising	Beginning September 2009 through May 2013 Reviewed annually in April	8 th Grade Computer Skills Test reviewed annually	

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Objective 1.3 Integrate technology across the curriculum, increase technology availability to students, and implement the IMPACT model to the degree possible.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
1.3.1 Teachers will attend workshops to learn integration strategies and innovative uses of technology to enhance learning.	Teacher with knowledge of integration strategies and innovative technology uses; Teacher training; computers and	Principal, instructional technology teacher, teacher	See 2.2.3	School operating budget based on state/local per pupil allotment; fundraising	Beginning September 2009 Ending May 2013 Reviewed annually in June	Teacher professional development spreadsheet; attendance; survey of teachers	

	resources; content curriculum						
1.3.2 Use online collaboration (distance learning) such as projects for pooled data analysis, epals, virtual fieldtrips, wikis, blogs, and video conferences to share information.	Teacher with knowledge of online collaboration opportunities; Teacher training; Access to computers and Internet	Class room teachers and instructional technology teacher	In kind	In kind	Beginning September 2010 Ending May 2013 Reviewed annually in June	Survey of teachers	
1.3.3 Acquire assistive technology devices as needed to meet student needs according to IEPs.	Teacher with knowledge of assistive technology; Student IEPs; devices	Class room, special programs, instructional technology teachers	As required	State and federal funds	Beginning September 2009 Ending May 2013 Reviewed annually in June	IEPs	
1.3.4 Purchase curriculum materials (keyboard posters, papers holders, etc.) as necessary.	Instructional Technology teachers	Principal, Instructional technology teacher	\$400.00	School operating budget based on state/local per pupil allotment; Fundraising	Beginning September 2009 Ending May 2013 Reviewed annually in June	Inventory	

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<i>Objective 1.4 Research and implement Global Exchange and early college programs.</i>							
1.4.1 Research Global Exchange technologies such as wikis and social networking tools as seen in the Flat Classroom Project	Technology team, instructional technology teacher with knowledge of collaborative tools	Technology team and instructional technology teacher	Salaries	School operating budget based on state/local per pupil allotment	Beginning September, 2010 Ending May, 2013	Technology team minutes and list of workshop options	
1.4.2 Utilize Technology team recommended technologies/ existing sites (ePals,	Classroom Teachers, Internet-connected computers,	Teachers; instructional technology teacher	In kind	In kind	Beginning September, 2010 Ending	Student Projects	

CILC, Think.com, and Global Schoolnet) for Global Exchange	instructional technology teacher				May, 2013 Reviewed annually in April		
1.4.3 Research available early college programs	Technology team	Technology team	In kind	In kind	Beginning September, 2011 Ending May, 2011	Technology team minutes	
1.4.4 Implement early college programs for advanced middle schoolers as needed	Classroom Teachers, Internet-connected computers	Teachers	In kind	In kind	Beginning September, 2012 Ending May, 2013 Reviewed annually in April	Student registration	

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

Technology staff development at Magellan is primarily the responsibility of the principal and the instructional technology teacher. Teachers are surveyed to determine their professional growth interests and needs. As a result, a menu of opportunities for staff development is offered to the faculty. Teachers have a variety of choices including asynchronous distance learning through Learn NC and NC DPI online resources, attendance at after school and early-release day workshops, participation in in-depth workshops during the school day with release time provided by substitutes, and immersion in collaborative planning/teaching/coaching models during technology infused lessons with their students. Teachers are encouraged to utilize other staff development resources such as state conferences, NCCAT, vendor offered workshops, ISTE webinars, and Intel training.

As part of this plan, teachers will include technology staff development in their professional growth plans. Hours towards CEU credits can be accrued for both collaborative activities and independent lab work. Email, NC Wise, CECAS, and intranet resources are all utilized as productivity tools to complete professional responsibilities. Approximately 28% of our technology budget is allocated to staff development.

Magellan's regional accountability coordinator provides us data from the ABC Tools. The school has explored, purchased, and participated in professional development for Study Island web-based software which it uses to assess student knowledge aligned with the SCOS in reading, math and science. Magellan's principal will be attending PEP's SAS EVAAS training in the fall of 2008.

Professional development for Web 2.0 tools and resources has been offered, and the Magellan faculty has begun to address global awareness training. Teachers address climate change, endangered species, and different cultural perspectives in their classes and use corresponding Internet resources to reinforce these. During the 2007-08 school year, one of Magellan's teachers attended a workshop about Africa offered by World View. During the 2008-2009 school year a team of three attended global awareness training provided by World View at UNC-Chapel Hill. In the spring of 2009, two teachers will attend the Technology and Globalization classes at World View.

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

Include at least one strategy or objective that addresses 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

Strategic Priority 2: NC public schools will be led by 21st Century professionals.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Every teacher will have the skills to deliver 21st Century content in a 21st Century context with 21st Century tools and technology that guarantees student learning.							
<input checked="" type="checkbox"/> Every teacher and administrator will use a 21st Century assessment system to inform instruction and measure 21st Century knowledge, skills, performance, and dispositions.							
<input checked="" type="checkbox"/> Every education professional will receive preparation in the interconnectedness of the world with knowledge and skills, including language study.							
<input checked="" type="checkbox"/> Every education professional will have 21st Century preparation and access to ongoing high quality professional development aligned with State Board of Education priorities.							
<input checked="" type="checkbox"/> Every educational professional uses data to inform decision.							
Objective 2.1 All Magellan teachers' technology skills will be assessed.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
2.1.1 Use NETS for Teachers or the NC Technology Competencies for Educators self assessment tools to self-evaluate technology	NETS for Teachers Or NC Technology Competencies for Educators Self Assessment	Principal and instructional technology teacher	In kind	In kind	Beginning May, 2009 Ending June, 2013 Reviewed annually in September	Self-evaluation forms; NETS checklist	

competencies, set professional development goals, and ensure that staff development is meeting their instructional and administrative needs.							
2.1.2 Assess new teachers for technology competency and reflect assessment in individual growth plans.	NETS for Teachers Or NC Technology Competencies for Educators Self Assessment	Principal and instructional technology teacher	In kind	In kind	Beginning September, 2009 Ending June, 2013 Reviewed annually in October	Self-evaluation forms; NETS checklist	
2.1.3 Include technology competencies in individual professional growth plans.	NETS for Teachers Or NC Technology Competencies for Educators Self Assessment	All teachers, teacher assistants, technology facilitator and school administrator	In kind	In kind	Beginning May, 2009 Ending June, 2013 Reviewed annually in October	Professional Growth Plans	
2.1.4 Ethical and professional standards will be reinforced at the beginning of each year	Administration	Administration	In kind	In kind	Beginning August, 2009 Ending June, 2013 Compiled annually in June	Survey of teachers	

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Strategic Technology Plan**

Include at least one strategy or objective that addresses 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

Strategic Priority 2: NC public schools will be led by 21st Century professionals.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Every teacher will have the skills to deliver 21st Century content in a 21st Century context with 21st Century tools and technology that guarantees student learning.							
<input checked="" type="checkbox"/> Every teacher and administrator will use a 21st Century assessment system to inform instruction and measure 21st Century knowledge, skills, performance, and dispositions.							
<input checked="" type="checkbox"/> Every education professional will receive preparation in the interconnectedness of the world with knowledge and skills, including language study.							
<input checked="" type="checkbox"/> Every education professional will have 21st Century preparation and access to ongoing high quality professional development aligned with State Board of Education priorities.							
<input checked="" type="checkbox"/> Every educational professional uses data to inform decision.							
Objective 2.2 All Magellan teachers will receive quality staff development to integrate technology into their curriculum.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
2.2.1 Encourage utilization of DPI training resources to increase knowledge of technology integration and to improve computer competencies.	DPI resources such as Kaleidoscope, eBistro, Intel, USDLC, Learn NC, STAR Online; training to use these; teachers, instructional	Principal and instructional technology teacher	varies	Fundraising	Beginning August, 2009 Ending June, 2013 Compiled annually in June	Survey of teachers	

	technology teacher						
2.2.2 Participate in professional development workshops and conferences to increase knowledge of technology integration and to improve computer competencies.	Menu of professional development opportunities including NECC; instructional technology teacher	Principal and instructional technology teacher.	\$2000.00 per year available from staff development funds for outside workshops	School operating budget based on state/local per pupil allotment; fundraising	Beginning May, 2009 Ending June, 2013 Compiled annually in June	Attendance records from workshops	
2.2.3 Complete evaluations of professional growth activities in order to enhance the quality and relevance of staff development.	Teachers, evaluation forms, surveys	Principal, instructional technology teacher, teachers	\$17,500 per year (portion of technology team salaries)	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending June, 2013 Compiled annually in June	Completed evaluations	
2.2.4 Provide collaborative/coaching staff development model to all teachers for follow-up purposes.	Instructional technology teacher; teachers	Instructional technology teacher	See 2.2.3	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending June, 2013 Reviewed annually in June	Teacher evaluation; collaborative evaluations	
2.2.5 All Magellan teachers will accumulate one CEU in technology yearly from participation in	Teachers, instructional technology teacher, workshops	Principal, teachers, instructional technology teacher	See 2.2.3	School operating budget based on state/local per pupil allotment;	Beginning August, 2009 Ending June, 2013	Professional growth spreadsheets; workshop sign in sheets	

professional growth opportunities.				fundraising	Reviewed annually in June		
2.2.6 Utilize SAS EVAAS data to inform instructional decisions	Administration, Teachers	Administration, Teachers	See 2.2.3	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending May, 2010	Data review	
2.2.7 Teachers will receive training on Study Island Assessments	Instructional technology teacher, teachers	Instructional technology teacher, teachers	See 2.2.3	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending May, 2013 Reviewed annually in September	Professional development spreadsheets; workshop sign in sheets	
2.2.8 Targeted training will be provided for Web 2.0 resources, and Global Awareness websites/resources (World View)	Technology Assistant, Administration, Trainer(s), webinars	Technology Facilitator, Administration	\$500.00	Federal, State, local	Beginning September, 2009 Ending May, 2013 Planned annually in September	Agendas from on-site staff development sessions and on-line classes; symposiums	

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

The Magellan Charter School in collaboration with Saf-T-Net Business Recovery Services has developed and published a critical incident response plan. According to the plan, in the event of an emergency the school phone paging system shall be the first line of communication. It will be used to inform the classroom teachers and school staff of critical situations and the course of action to be taken. Magellan has retained the service of The Safe-T-Net ALERTNOW Rapid Notification system. In cases in which the school must evacuate or go into lock down, this phone system would be used to contact parents and guardians. As a small charter school, Magellan has not determined a need for a surveillance system.

Because our charter requires the school to provide an academically focused curriculum consisting of Math, Science, Language Arts and Social Studies, programs such as DARE and CIS are not consistent with the mission of the school. Students at Magellan bring their lunches from home; therefore the school does not have a Child Nutrition Department. Due to the exceptionally low volume of student discipline incidences, student discipline data is documented and maintained in a paper file.

Several policies have been established to provide a secure computing environment. Computer resources are protected by network security policies including the use of individual passwords for users to access those resources. Users are given permission to access network-based resources by the network administrator. Teachers must follow guidelines established to maintain secure access to the NCWISE system. The web site security policy protects personal and private information by requiring users to authenticate (login) before they may access protected areas of the web site. Internet sites accessed by Magellan users are filtered using a subscription-based content filter provided by our firewall manufacturer. Magellan is currently using Trend Micro Anti-Virus software, TrendMicro Anti-Spam, and Sonicwall Gateway Security Suite Anti-Spyware solutions to protect the network and user resources from outside malicious attacks and unwanted content.

Teachers may schedule classes into either of the two labs through sign up. They may also sign up for mobile laptops for their classrooms. Each class has four student computers and a laptop to use as needed for access in the classroom. There are many additional peripherals available for use throughout the school by sign up, as well as extra computers in our labs for unscheduled use.

All classrooms have been equitably outfitted with the same standard configuration: a teacher laptop and four desktops, a data projector, a black and white laser printer, and multimedia center. Each grade level shares a digital camera, and interactive technologies such as SMART Boards, document cameras and Interwrite pads are available to share. All computers have network/Internet access.

Acceptable Use Agreements are signed and enforced for all users. Students participate in computer ethics lessons taught by the technology teacher. The guidance counselor addresses cyber bullying with students. Teachers review and reinforce ethical and responsible use.

Existing User Agreements require responsible, ethical use of technology and resources. Special permission forms are used to explain and request parent permission for special projects which share information or collaborate outside of the school.

Teachers use technologies such as streaming video clips from Brainpop, United Streaming and other websites to present resources to encourage, educate, monitor and maintain healthy student lifestyles. They also create and query databases about nutrition and diseases to teach healthy practices. Document cameras are used to share and discuss nutrition labels, and students access the Internet to research human body systems and diseases.

**NC public school students will be healthy and responsible.
Strategic Technology Plan**

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

Strategic Priority 3: NC public school students will be healthy and responsible.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Every learning environment will be inviting, respectful, supportive, inclusive, and flexible for student success.							
<input checked="" type="checkbox"/> Every school provides an environment in which each child has positive, nurturing relationships with caring adults.							
<input checked="" type="checkbox"/> Every school promotes a healthy, active lifestyle where students are encouraged to make responsible choices.							
<input checked="" type="checkbox"/> Every school focuses on developing strong student character, personal responsibility, and community/world involvement.							
<input checked="" type="checkbox"/> Every school reflects a culture of learning that empowers and prepares students to be life-long learners.							
Objective 3.1 Maintain current level of school security.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
3.1.1 Maintain Saf-T-Net system, and classroom telephones (no video surveillance is planned)	Saf-T-Net system, Classroom telephones	Administration	donated	donated	Beginning September, 2009 Ending May, 2013 Reviewed twice annually; in August and January	Log of phone problems/repairs; results documented in spreadsheet. Verification from Saf-T-Net of database of parent contact info	

3.1.2 No bus service is provided, therefore no security is needed			free	free	Beginning September, 2009 Ending May, 2013 Reviewed annually in June		
3.1.3 The need for student and/or staff IDs will be reviewed annually.			free	free	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Review of incident reports	
3.1.4 Implement individual access to teacher voicemail boxes according to teacher preference.	Existing phone system, Phone system technician	Phone system technician,	donated	donated	Beginning June, 2010 Ending December, 2010 Administered annually in June	Teacher surveys	

**NC public school students will be healthy and responsible.
Strategic Technology Plan**

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Strategic Priority 3: NC public school students will be healthy and responsible.*							
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<input checked="" type="checkbox"/> Every school reflects a culture of learning that empowers and prepares students to be life-long learners.							
Objective 3.2 All teachers will use NC Wise to electronically view, store, and manage student data.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
3.2.1 Use NC Wise eSis for storing student information including medical alerts.	Computer, NC Wise access; Accountability Coordinator	Accountability Coordinator, teachers	none	State funds	Beginning September, 2009 Ending May, 2013 Reviewed annually in December	Observation of data in NC Wise	
3.2.2 Use NC Wise eSis for reporting student	Computer ,NC Wise access, training for	Teachers grades 3-8, instructional	none	State funds	Beginning September, 2009	Report cards	

grades.	TAM	technology teacher, Accountability Coordinator			Ending May, 2013 Reviewed quarterly		
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**NC public school students will be healthy and responsible.
Strategic Technology Plan**

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

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<input checked="" type="checkbox"/> Every school focuses on developing strong student character, personal responsibility, and community/world involvement.							
<input type="checkbox"/> Every school reflects a culture of learning that empowers and prepares students to be life-long learners.							
Objective 3.3 <i>Students and teachers will use the Internet safely and appropriately.</i>							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results June, 2010
3.3.1 Classes meet yearly with technology teacher to discuss AUP and safe and appropriate Internet use.	AUP; instructional technology teacher,	Instructional technology teacher	See 2.2.3	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending May, 2013 Collected annually in September	Signed AUP	
3.3.2 Update content filter and TrendMicro	Software, network administrator	Network administrator	\$3035.00 yearly	School operating	Beginning September, 2009	Installation, maintenance	

Anti-Virus software, TrendMicro Anti-Spam, and Sonicwall Gateway Security Suite Anti-Spyware to improve filtering of undesirable content.				budget based on state/local per pupil allotment; fundraising	Ending May, 2013 Reviewed annually in April	and performance monitoring report; review of firewall logs/alerts	
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**NC public school students will be healthy and responsible.
Strategic Technology Plan**

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

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<input type="checkbox"/> Every school reflects a culture of learning that empowers and prepares students to be life-long learners.							
3.4 Objective: Ensure equitable and safe access to resources							
3.4.1 Evaluate lab scheduling to determine equal access for all classes, and review possibility for flexibly scheduling	Technology Facilitator, labs	Technology Facilitator	See 5.2.1	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Sign-up sheets	
3.4.2 Continue to provide technology notebook for teachers/staff and require signed AUPs for technology use	Administrator, AUPs, handbooks; instructional technology teacher	Administrator; instructional technology teacher	See 5.2.1	School operating budget based on state/local per pupil allotment;	Beginning September, 2009 Ending May, 2013	Signed AUPs	

				fundraising	Reviewed annually in June		
3.4.3 Include copyright and cyber-bullying sessions during technology skill training	Technology Facilitator, Guidance Counselor	Technology Facilitator, Guidance Counselor	See 5.2.1	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Lesson Plan(s); PowerPoint presentations	
3.4.4 Continue to provide students with online health resources, and electronic tools for tracking health indicators such as nutrition and exercise	Teachers, resources	Teachers, Technology Facilitator	See 5.2.1	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2010 Ending May, 2013 Reviewed annually in June	Lesson Plan(s)	

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

The Magellan Charter School currently does not participate overall in specific collaborative efforts (e.g. IMPACT Model and Learning Communities). However, individual user groups are formed as needed or desired such as the SMART Board and Interwrite Pad learning groups. Funds are made available for collaborative technologies and professional development.

A team is in place to review and revise our mission and vision statements to include language consistent with Future Ready Goals. In the fall of 2008, the whole staff will be involved in meetings to adopt these statements. Teachers' professional growth plans and evaluations are also used to move towards Future Ready Goals. Technology workshops are offered to learn about 21st century tools.

The technology teacher researches and provides resources applicable to each teacher's curriculum including tools, strategies, and resources to enable students to participate with others outside the school. Some of these tools include wikis, blogs, podcasts, Skype, or web conferencing. Teachers are encouraged to participate in local and regional workshops and funds are allocated to support this. Teachers are encouraged to take advantage of travel opportunities and learning experiences that relate to their curriculum such as travel to Belize with the Museum of Natural History and travel in China with author JiLi Jiang.

School leadership requires that teachers have Professional Growth Plans in which technology growth is usually a part. There are numerous opportunities for peer observation, outside professional development, and conference attendance. Leadership surveys the staff and reviews the surveys along with committees to determine needs. Committees develop and implement plans based on needs determined in the surveys. School leadership notifies teachers of opportunities through DPI professional development resources, encourages attendance and provides necessary funding and staffing when possible.

Teachers have access to DPI, ISTE, and CILC resources, as well as laptops and 24 hour remote access to their network resources from home. Webcams, data projectors, and other resources are available for large and small group webinar and online class participation. Information about online learning opportunities is shared with the staff. Staff members input regarding decisions for instructional technology and media is obtained through email, surveys, faculty meetings and through one-on-one contact with representatives on the technology team.

The Magellan Charter School does not have an MTAC as they have no media center, but rather a technology team which meets monthly and consists of teachers, parents, technology department members, and administration. The technology department presents yearly to the board of directors. The administrator reports technology business monthly to the board meetings as needed.

Partnerships with IBM/Lenovo, Xilinx, and SMART Technologies resulted in equipment and software through grants and fundraising. The SMART interactive technologies provide for interactive, engaged learning across curriculum content areas. Software provided by a Xilinx grant enables students to use multimedia software to improve math and writing skills and support science and social studies content. IBM matching grants and volunteer hours have equipped all Magellan teachers with laptops and the school with a mobile lab as well as purchasing speakers for all computers and flat panel monitors.

**Leadership will guide innovation in NC public schools.
Strategic Technology Plan**

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

Strategic Priority 4: Leadership will guide innovation in NC public schools.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> School professionals will collaborate with national and international partners to discover innovative transformational strategies that will facilitate change, remove barriers for 21st Century learning, and understand global connections.							
<input checked="" type="checkbox"/> School leaders will create a culture that embraces change and promotes dynamic continuous improvement.							
<input checked="" type="checkbox"/> Educational professionals will make decisions in collaboration with parents, students, businesses, education institutions, and faith-based and other community and civic organizations to impact student success.							
<input checked="" type="checkbox"/> The public school professionals will collaborate with community colleges and public and private universities and colleges to provide enhanced educational opportunities for students.							
Objective 4.1 The Magellan Charter School will communicate electronically within the school and global communities.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
4.1.1 Create email distribution lists for each grade level and implement use for newsletters and other information.	E-mail addresses, person to create lists, training regarding use	Instructional technology teacher; office personnel; volunteers	See 5.2.1	School operating budget based on state/local per pupil allotment; fundraising	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Teacher and parent surveys of effectiveness	
4.1.2 Review implemented e-mail distribution list policy.	Technology team	Technology team	Salaries	School operating budget based on state/local per pupil allotment;	Beginning January, 2009	Board Meeting Minutes	

				fundraising	Ending December, 2013 Reviewed annually in June		
4.1.3 Distribute monthly parent association communication (StraitTalk) via email.	MaP newsletter (Strait Talk), email distribution list, list administrator	List administrator, newsletter volunteer	Donated	Donated	Beginning September, 2009 Ending June, 2013 Reviewed annually in June	Community survey results	
4.1.4 Broadcast inclement weather information on local radio stations. Post on website.	Inclement weather information; responsible board member; radio station	Responsible board member	Donated	Donated	Beginning December, 2009 Ending June, 2013 Reviewed annually in June	Survey of effectiveness	
4.1.5 Place meeting minutes of all MaP meetings on the Magellan web site.	Access to web site; communication between MaP secretary and web master; minutes; web master.	MaP secretary and web master.	In kind	In kind	Beginning August, 2009 Ending June, 2013 Reviewed annually in June	Community survey results	
4.1.6 Update the web site as needed throughout the school year.	Web team, information from stakeholders; web development	Technology department	See 5.2.1	School operating budget based on state/local per pupil allotment; fundraising	Beginning August, 2009 Ending	Log of changes	

	software; web master				June, 2013 Reviewed annually in June		
4.1.7 Utilize teacher web pages to communicate class information.	Training in web page creation; software; SchoolNotes; NC Classes Online; TeacherWeb; wikis, blogs, tools on Magellan website; instructional technology teacher	Instructional technology teacher, teachers	In kind	In kind	Beginning August, 2010 Ending June, 2013 Reviewed annually in June	Parent survey	
4.1.8 Maintain remote network access for teachers and establish student remote access to files through the Magellan web site.	Web site; network administrator with expertise; student and teacher files; new remote server	Network administrator and instructional technology teacher	Salaries for Instructional technology teacher and Network Administrator	School operating budget based on state/local per pupil allotment	Beginning August, 2009 Ending June, 2013 Reviewed annually in June	Teacher and student survey results	

**Leadership will guide innovation in NC public schools.
Strategic Technology Plan**

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

Strategic Priority 4: Leadership will guide innovation in NC public schools.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> School professionals will collaborate with national and international partners to discover innovative transformational strategies that will facilitate change, remove barriers for 21st Century learning, and understand global connections.							
<input checked="" type="checkbox"/> School leaders will create a culture that embraces change and promotes dynamic continuous improvement.							
<input checked="" type="checkbox"/> Educational professionals will make decisions in collaboration with parents, students, businesses, education institutions, and faith-based and other community and civic organizations to impact student success.							
<input checked="" type="checkbox"/> The public school professionals will collaborate with community colleges and public and private universities and colleges to provide enhanced educational opportunities for students.							
Objective 4.2 The Magellan Charter School will use technology to cultivate, communicate, and build relationships with community leaders.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
4.2.1 Identify at least three potential community, business, and educational partnerships that may be able to assist with keeping current	Administration, Technology Team	Administration	None	School operating budget based on state/local per pupil allotment	Beginning August, 2009 Ending July, 2013 Reviewed annually	List of potential partners to approach	

technology operational, donating new hardware, supporting the network, etc.						in June	
4.2.2 Approach identified organizations through staff, parents, and volunteers who have contact with those entities to acquire resources (funding or manpower).	Administration, Technology Team	Administration, staff, volunteers	None	Donated	Beginning August, 2009 Ending July, 2013 Reviewed annually in June	Partnerships formed; resources acquired (volunteer log and inventory)	
4.2.3 The Board will address the need for learning centers to be opened to the public annually based on community need and budget and/or volunteer availability.	Administration	Administration	None	Donated	Beginning August, 2011 Ending June, 2013 Reviewed annually in June	Community surveys; board meeting minutes	

Strategic Priority 4: Leadership will guide innovation in NC public schools.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> School professionals will collaborate with national and international partners to discover innovative transformational strategies that will facilitate change, remove barriers for 21st Century learning, and understand global connections.							
<input checked="" type="checkbox"/> School leaders will create a culture that embraces change and promotes dynamic continuous improvement.							
<input checked="" type="checkbox"/> Educational professionals will make decisions in collaboration with parents, students, businesses, education institutions, and faith-based and other community and civic organizations to impact student success.							
<input checked="" type="checkbox"/> The public school professionals will collaborate with community colleges and public and private universities and colleges to provide enhanced educational opportunities for students.							
4.3. Leadership will support collaborative projects and professional growth.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
4.3.1 Continue to provide support for attendance at regional workshops and online professional development	Teachers, workshops, professional development	Teachers, Principal	Previously addressed	Local	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Certificates of completion	
4.3.2 Identify and participate in appropriate collaborative projects	Teachers, projects, Technology Facilitator	Teachers, Technology Facilitator	Salaries	State funding allocations	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Lesson Plans	
4.3.3 Leadership will continue to utilize the school's	Newsletter	Principal, Technology Facilitator	In kind	In kind	Beginning September, 2009	Electronic Copies of newsletters	

electronic newsletter to address change					Ending May, 2013 Reviewed annually in June		
4.3.4 Research use of collaborative tools to enable leadership to effectively communicate change	Technology team, wiki, blog, other appropriate tools	Technology team	Salaries	State funding allocations	Beginning September, 2011 Ending May, 2013	Recommendation report	
4.3.5 Expand current technology committee to include instructional resource coordinator	Technology committee	Technology team, Principal	free	free	Beginning September, 2012 Ending May, 2013 Reviewed annually in June	minutes	

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

The Magellan Charter School employs a full-time instructional technology teacher and both a part-time network administrator and a part time technician to support technology utilization by the school community. The annual technology budget needs are met through per pupil state allocations, grants, and fundraising efforts by the Magellan parent/teacher organization (MaP). The technology team surveys teachers for their needs (budget requests) and teachers make requests through the team. Requests are evaluated by the team and then communicated to the board of directors for approval. Yearly budgets are drawn up by the technology department and presented to the technology team then to the board for approval each spring. Magellan has formed a grant writing team. Grant opportunities are shared with the staff, and responded to if applicable. The technology department also writes grants together with teachers to fund their needs.

The Magellan local area network is secure for student and teacher use. It is protected by a robust Sonicwall Gateway Security Suite firewall with integrated gateway anti-virus, anti-spyware and intrusion protection software, Trend Micro Anti-Virus software, and TrendMicro Anti-Spam software to ensure a secure network environment. All users have password protected access and secure profiles. Students are expected to sign and comply with the Magellan Acceptable Use Policy. Network users are also expected to abide by federal and state guidelines and policies such as copyright, and NC Wise security. Other technology decisions and actions are mediated by the school technology committee. Policies are reviewed annually by the technology team to determine their effectiveness.

The technology plan is shared with the staff during the development process and presented when complete to ensure buy-in. All have a responsibility to support the objectives and provide data for evaluation. All evaluative instruments are assigned to a designated person who supervises the collection of the data. The technology team contributes to the implementation of the plan and collection of data.

The Magellan network has performed reliably. The bandwidth of the Magellan network is adequate to meet the school's usage utilizing Time-Warner Roadrunner (10 Mbps down/2 Mbps up) for the WAN and 10/100/1000 Category 5e cabling for the LAN.

Magellan maintains a sufficient level of hardware. About 10-20% of the teacher/staff laptops reach obsolescence yearly and need to be replaced. Our obsolescence plan necessitates the replacement of about 20% of our desktop computers and our printers yearly. Fundraising levels will need to be maintained in order to support our current level of equipment. In order to bring technology to the point of learning, teachers use data projectors to share resources in large groups within the class room. Additional data projectors are needed for large group meeting areas such as the multipurpose room and gym. Collaborative small group learning activities often require class room laptop computers requiring Magellan to continue to grow and support a mobile laptop lab.

Security systems at Magellan include a public address system and phone system for inter-building communication, and an alarm system. Safe-T-Net is used to communicate with parents in the event of emergencies. Email is used for regular, non-urgent communication. The website houses information and serves to alert people to school closings and delays.

Communication and collaboration tools include email and shared drives on our network (for collaboration between all teachers, between teachers on a particular grade level, between teacher and students, and between students). Teachers have twenty-four hour access to these drives through our remote server. NC Wise is used for data storage and reporting of grades. Video conferencing is also available.

NC Wise is used to store personal data of students, to house, calculate, and report grades, and to track attendance.

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

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

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

Goal 5: NC public schools will be governed and supported by 21st Century systems.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Processes are in place for financial planning and budgeting that focuses on resource attainment and alignment with priorities to maximize student achievement.							
<input checked="" type="checkbox"/> Twenty-first century technology and learning tools are available and are supported by school facilities that have the capacity for 21st Century learning.							
<input checked="" type="checkbox"/> Information and fiscal accountability systems are capable of collecting relevant data and reporting strategic and operational results.							
<input checked="" type="checkbox"/> Procedures are in place to support and sanction schools that are not meeting state standards for student achievement.							
Objective 5.1 Create and implement new policies to guide and protect Magellan technology use.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
5.1.1 The technology committee will develop, evaluate, approve, and implement new policies, procedures, and guidelines as needed.	Federal and state guidelines; model policies; state tech plan checklist of needed policies; IMPACT guide; technology committee.	Instructional technology teacher, network administrator, principal, board members, technology team	Salaries	School operating budget based on state/local per pupil allotment; fundraising	Beginning May, 2009 Ending December, 2013	Completed policies, procedures, and guidelines	
5.1.2 Review and revise policies, procedures, and guidelines	Policies, procedures, and guidelines.	Instructional technology teacher, network	In kind	In kind	Beginning October, 2009	Board Meeting Minutes	

annually.		administrator, principal, board members, technology team			Ending June, 2013 Reviewed annually in June.		
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**NC public schools will be governed and supported by 21st Century systems.
Strategic Technology Plan**

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

- | | |
|--------------|--|
| 1. Policy | 5. Administrative Applications |
| 2. Budget | 6. Hardware |
| 3. Personnel | 7. Infrastructure-School Local Area Networks and District Wide Area Networks |
| 4. Security | |

Goal 5: NC public schools will be governed and supported by 21st Century systems.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Processes are in place for financial planning and budgeting that focuses on resource attainment and alignment with priorities to maximize student achievement.							
<input checked="" type="checkbox"/> Twenty-first century technology and learning tools are available and are supported by school facilities that have the capacity for 21st Century learning.							
<input checked="" type="checkbox"/> Information and fiscal accountability systems are capable of collecting relevant data and reporting strategic and operational results.							
<input checked="" type="checkbox"/> Procedures are in place to support and sanction schools that are not meeting state standards for student achievement.							
Objective 5.2 Supplement Magellan technology budget resources and maintain the current level of technology support personnel for the Magellan Community.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
5.2.1 Seek, apply, and compete for grant money to improve student achievement and available technology resources.	Grant opportunities, teacher-generated projects, instructional technology teacher, technology team, and grant team	Grant committee, Instructional technology teacher and class room teachers	In kind	In kind	Beginning September, 2009 Ending May, 2011 Reviewed annually in October	Completed grant proposals	
5.2.1 Continue to employ technology department	Instructional technology teacher, network	Principal, Board of Directors	Salaries for Instructional technology	School operating budget based on	Beginning September, 2009	Performance evaluations	

personnel.	administrator, technician, principal, board members, technology team		teacher and Network Administrato r	state/local per pupil allotment	Ending May, 2013		
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**NC public schools will be governed and supported by 21st Century systems.
Strategic Technology Plan**

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

- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Policy 2. Budget 3. Personnel 4. Security | <ul style="list-style-type: none"> 5. Administrative Applications 6. Hardware 7. Infrastructure-School Local Area Networks and District Wide Area Networks |
|---|---|

Goal 5: NC public schools will be governed and supported by 21st Century systems.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Processes are in place for financial planning and budgeting that focuses on resource attainment and alignment with priorities to maximize student achievement.							
<input checked="" type="checkbox"/> Twenty-first century technology and learning tools are available and are supported by school facilities that have the capacity for 21st Century learning.							
<input checked="" type="checkbox"/> Information and fiscal accountability systems are capable of collecting relevant data and reporting strategic and operational results.							
<input checked="" type="checkbox"/> Procedures are in place to support and sanction schools that are not meeting state standards for student achievement.							
Objective 5.3 Maintain and improve current levels of hardware and network security.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
5.3.1 Update security software to reflect current security needs.	Network administrator; Sonic Wall software, Trend Micro Anti-Virus software, IMSS email software	Network administrator	Previously addressed (3.3.3)	School operating budget based on state/local per pupil allotment	Beginning September, 2009 Ending May, 2013 Reviewed annually in June	Performance reports and monitoring software	
5.3.2 Replace teacher laptops as they become obsolete	Network administrator, Instructional technology teacher,	Instructional technology teacher, network administrator,	\$4,500 (10 x \$450.00)	School operating budget based on state/local per	Beginning September, 2009 Ending June 2013	Inventory	

	obsolete equipment, funding for new equipment	principal, board members, technology team		pupil allotment; Fundraising, matching grants	Reviewed annually in March		
5.3.3 Replace obsolete desktop computers.	Network administrator, Instructional technology teacher, obsolete equipment, funding for new equipment	Instructional technology teacher, network administrator, principal, board members, technology team	\$18000.00 40 x \$450.00	School operating budget based on state/local per pupil allotment; Fundraising, matching grants	Beginning September, 2009 Ending May, 2013 Reviewed annually in March	Inventory	
5.3.4 Replace desktop computers which approach four years of age.	Network administrator, Instructional technology teacher, obsolete equipment, funding for new equipment	Instructional technology teacher, network administrator, principal, board members, technology team	\$18000.00 Replace 30 computers @ 600.00 each.	School operating budget based on state/local per pupil allotment; Fundraising, matching grants	Beginning September, 2010 Ending May, 2011 Reviewed annually in March	Inventory	
5.3.5 Repair equipment as necessary throughout the school year.	Network administrator, Instructional technology teacher, funding for equipment repair	Instructional technology teacher, network administrator, principal, board members, technology team	\$2,500.00	School operating budget based on state/local per pupil allotment; Fundraising, matching grants	Beginning September, 2009 Ending May, 2011 Reviewed annually in March	Inventory	
5.3.6 Replace or repair aging peripherals (cameras, data projector, bulbs, headphones, scanner) as needed.	Network administrator, Instructional technology teacher, obsolete equipment, funding for new	Instructional technology teacher, network administrator, principal, board members,	\$3000.00 yearly	School operating budget based on state/local per pupil allotment; Fundraising,	Beginning September, 2009 Ending May, 2011	Inventory	

	equipment	technology team		grants	Reviewed annually in March		
5.3.8 Maintain a mobile laptop lab to meet increasing technology use and demand.	Network administrator, instructional technology teacher, grant money, grant team, technology team	Network administrator, instructional technology teacher	Replace laptops with IBM matching grant funding as available	Matching grant from IBM/Lenovo	Beginning September, 2009 Ending May, 2011 Reviewed annually in March	Inventory	
5.3.9 Evaluate administrative applications that may improve efficiency	Software trial of Microsoft System Center	Administration	free	free	Beginning July, 2009 Ending December, 2009 Reviewed annually in March	Trial software reviewed, purchased if appropriate	

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

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

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

Goal 5: NC public schools will be governed and supported by 21st Century systems.*							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Processes are in place for financial planning and budgeting that focuses on resource attainment and alignment with priorities to maximize student achievement.							
<input checked="" type="checkbox"/> Twenty-first century technology and learning tools are available and are supported by school facilities that have the capacity for 21st Century learning.							
<input checked="" type="checkbox"/> Information and fiscal accountability systems are capable of collecting relevant data and reporting strategic and operational results.							
<input checked="" type="checkbox"/> Procedures are in place to support and sanction schools that are not meeting state standards for student achievement.							
Objective 5.4 Maintain, improve, and develop Magellan’s network infrastructure.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Evaluation Results July, 2010
5.4.1 Maintain wireless capabilities.	Wireless access points; network administrator; funding	Instructional technology teacher, network administrator, principal, board members, technology team	0 to maintain current equipment and upgrade for new building	School operating budget based on state/local per pupil allotment; Fundraising, grants	Beginning September, 2009 Ending May, 2011 Reviewed annually in March	Monitoring reports for wireless access point	
5.4.2 Review and implement appropriate communication and	Network administrator, instructional technology teacher,	Network administrator and principal	free	free	Beginning September, 2009 Ending	Observation of communication tools in use	

collaboration tools	principal, board of directors, technology team				May, 2013 Reviewed annually in June		
5.4.3 Replace aging Cisco switch	Network administrator, instructional technology teacher, principal, board of directors, technology team	Network administrator	\$1,15.00	School operating budget based on state/local per pupil allotment; Fundraising, grants	Beginning January, 2009 Ending May, 2010	Inventory	
5.4.4 Maintain bandwidth to accommodate increasing numbers of workstations.	Funding, bandwidth, Time Warner Cable	Administration	\$3,600.00	School operating budget based on state/local per pupil allotment	Beginning September, 2009 Ending May, 2013 Reviewed annually in March	Network monitoring reports	

Appendix A

Local Education Agency (LEA) Technology Plan
Policy, Procedure, & Guidelines Implementation Chart

Policies, Procedures, & Guidelines (Policies should be translated into predominant languages of students and parents)	LEA Policy Code or Procedure	LEA Date of Adoption, Implementation or Revision
Policies Required		
A. Materials Selection Policy (GS §115c-98(b))	MCS07A	10/15/08 Implemented
B. Disposal of Equipment / Replacement of Obsolete Equipment (GS §115c-518)	MCS07B	5/1/09 In progress
C. Hardware and Software Procurement (GS § 115c-522, 115c-522.1)	MCS06C	10/15/08 Implemented
D. Copyright Policy (PL §94-553, 90 Stat. 2541)	MCS05D	11/1/05 Implemented
E. Acceptable Use Policy (PL §106-554)	MCS05E	8/25/05 Revised and Implemented
F. Equipment/Materials Donation Policy (GS §115C-518)	MCS07F	10/15/08 Implemented
G. Data Privacy Policy (20 U.S.C. § 1232g; 34 CFR Part 99 (FERPA))	MCS05G	11/1/05 Implemented
H. Inventory Control Policy (GS §115c-539, 115c-102.6A-C(5))	MCS06H	10/15/08 Implemented
I. Access to Services Policy (GS §115c-106)	MCS06I	10/15/08 Implemented
J. Student Discipline and Liability Policy (GS § 115C-391, 115C-398)	MCS07J	10/15/08 Implemented
K. Remote Access Policy (GS §147-33.111)	MCS06K	10/15/08 Implemented
L. Virus Protection Policy (GS §147-33.111)	MCS05L	11/1/05 Implemented
M. NC WISE ID and Password Workstation Policy (GS § 147-33.111)	MCS05M	3/1/05 Implemented
N. Security Awareness Policy (GS §147-33.111)	MCS07N	10/15/08 Implemented
O. Network Security Policy (SBE EEO-C-018, SB 991, 2004)	MCS06O	10/15/08 Implemented
P. Advertising and Commercialism Policy (GS §115c-98)	MSC07P	10/15/08 Implemented
Procedures		
A. Hardware and Software Deployment	MCS-P06A	10/15/08 Implemented
B. Equipment maintenance and repairs	MCS-P06B	10/15/08

		Implemented
C. Outdated Resources and Equipment Replacement	MCS-P06C	10/15/08 Implemented
D. Disaster Recovery of Data and Hardware	MCS-P06D	5/1/09 In progress
E. Administration of Online Courses		10/15/08 Implemented
F. Security Updates	MCS-P06F	5/1/09 In progress
Guidelines		
A. Policy Translation		10/15/08 Implemented
B. Web Site Development	MCS-G06B	10/15/08 Implemented
C. Instructional Use of Videos		5/1/09 In progress
D. Development of Online Resources		10/15/08 Implemented
E. Email Distribution List	MCS-G06E	3/1/06 Implemented

Appendix B Current Year Budget

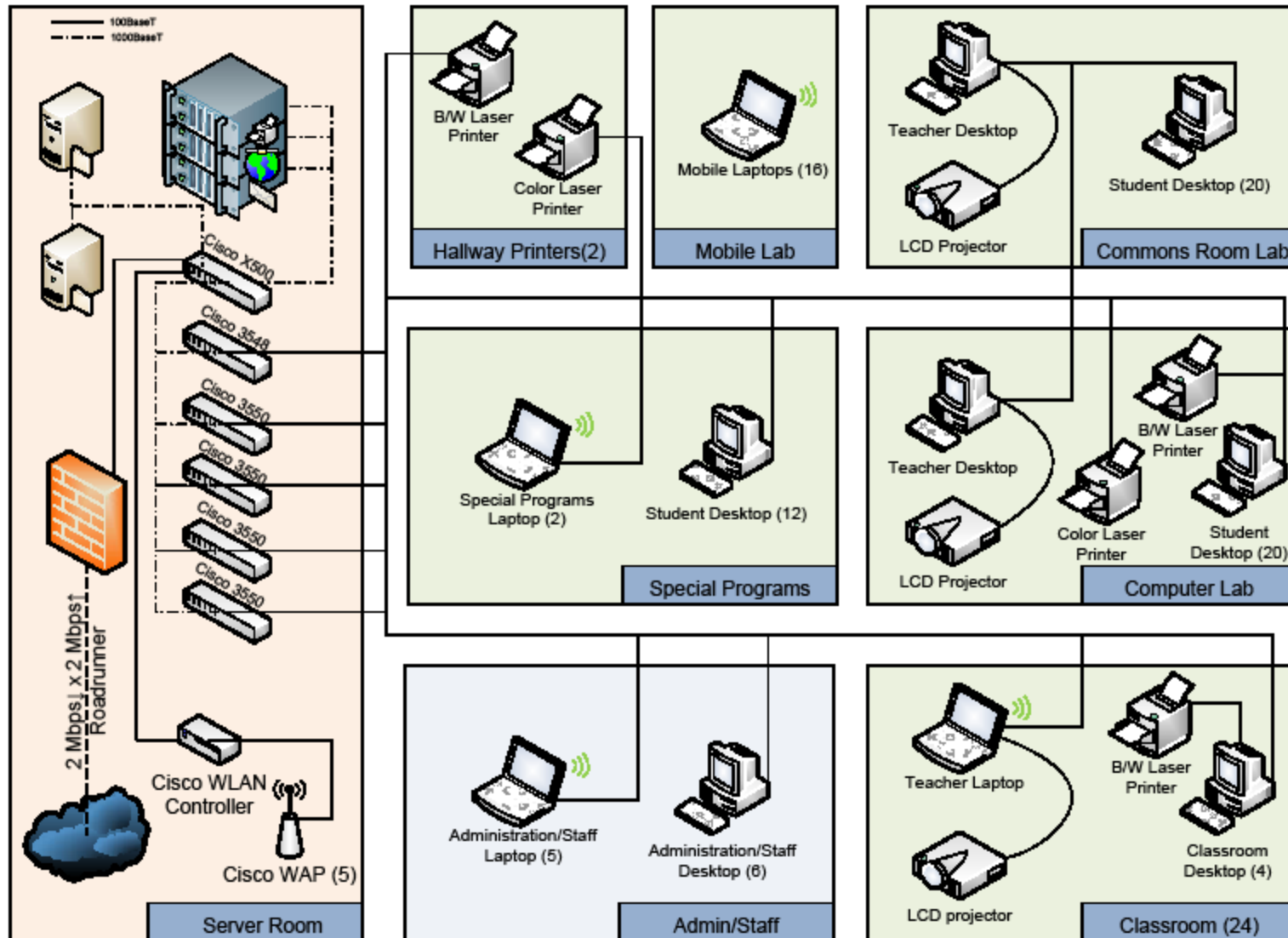
Item	Type	Per Unit Cost	Number of Units Purchased	Total Annual Unit Cost	Erate %	Lease Cycle	Primary Funding	Secondary Funding	Primary Goal	Secondary Goal	Primary User	Secondary User
Subscription Software	Software	\$4,500.00	1	\$4,500.00			District Technology	Other	Globally Competitive Studies	21st Century Professional	Student	Teacher
Textbook software	Software	\$750.00	1	\$750.00			District Technology	Other	Globally Competitive Studies	21st Century Systems	Student	Teacher
Subscription Software	Software	\$4,000.00	1	\$4,000.00			District Technology	Other	Globally Competitive Studies	21st Century Systems	Student	Teacher
Curriculum Materials	Other	\$400.00	1	\$400.00			District Technology	Other	Globally Competitive Studies	21st Century Systems	Student	Teacher
Workshops	Staff Development	\$2,000.00	1	\$2,000.00			District Technology	Other	21st Century Professional	Globally Competitive Studies	Teacher	School Administrator
Tech Staff	Staff Development	\$17,500.00	1	\$17,500.00			District Technology	Other	21st Century Professional	Globally Competitive Studies	Teacher	School Administrator
Global Awareness Training	Staff Development	\$500.00	1	\$500.00			District Technology	Other	21st Century Professional	Globally Competitive Studies	Teacher	Student
Trend Micro Antivirus	Software	\$725.00	1	\$725.00			District Technology	Other	Healthy and Responsible	21st Century Systems	School Administrator	Teacher
Trend Micro Antispyware	Software	\$500.00	1	\$500.00			District Technology	Other	Healthy and Responsible	21st Century Systems	School Administrator	Teacher
Firewall Congent Filter	Software	\$1,810.00	1	\$1,810.00			District Technology	Other	Healthy and Responsible	21st Century Systems	School Administrator	Teacher
Teacher Computers	Hardware	\$450.00	10	\$4,500.00			District Technology	Matching Funds	21st Century Systems	Globally Competitive Studies	Teacher	Student
Desktop Computers	Hardware	\$450.00	40	\$18,000.00			District Technology	Matching Funds	21st Century Systems	Globally Competitive Studies	Student	Teacher
Equipment Repair	Other	\$2,500.00	1	\$2,500.00			District Technology	Grants	21st Century Systems	Globally Competitive Studies	School Administrator	Teacher
Digital Media for Classroom	Other	\$50.00	1	\$50.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Student	Teacher
Media for Video Conferencing	Other	\$25.00	1	\$25.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Student	Teacher
Headphones/Mics	Hardware	\$12.00	32	\$384.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Student	Teacher
Microphones	Hardware	\$30.00	4	\$120.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Student	Teacher
Projectors	Hardware	\$100.00	2	\$200.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Student	Teacher
Projector Bulbs	Other	\$375.00	4	\$1,500.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Teacher	School Administrator
Podcasting Tools	Other	\$250.00	1	\$250.00			District Technology	Other	21st Century Systems	Globally Competitive Studies	Student	Teacher
Miscellaneous	Other	\$471.00	1	\$471.00			District Technology	Other	21st Century Systems	Leadership	School Administrator	Teacher
Network Hardware	Hardware	\$1,150.00	1	\$1,150.00			District Technology	Other	21st Century Systems	Healthy and Responsible	School Administrator	Student
Bandwidth	Connectivity	\$3,600.00	1	\$3,600.00			District Technology	Other	21st Century Systems	Healthy and Responsible	School Administrator	Student
				\$0.00								
Total Budget Expenditures				\$65,435.00								

Appendix B Year 2 Budget

Item	Type	Per Unit Cost	Number of Units Purchased	Total Annual Unit Cost	Erate %	Lease Cycle	Primary Funding	Secondary Funding	Primary Goal	Secondary Goal	Primary User	Secondary User
Subscription Software	Software	\$9,000.00	1	\$9,000.00			District Technolog	Other	Globally Competitive	SI21st Century Professional	Student	Teacher
Curricular software	Software	\$1,500.00	1	\$1,500.00			District Technolog	Other	Globally Competitive	SI21st Century Systems	Student	Teacher
Subscription Software	Software	\$110.00	1	\$110.00			District Technolog	Other	Globally Competitive	SI21st Century Systems	Student	Teacher
Curriculum Materials	Other	\$400.00	1	\$400.00			District Technolog	Other	Globally Competitive	SI21st Century Systems	Student	Teacher
Workshops	Staff Developme	\$2,000.00	1	\$2,000.00			District Technolog	Other	21st Century Professio	Globally Competitive	StucTeacher	School Administrati
Tech Staff	Staff Developme	\$17,500.00	1	\$17,500.00			District Technolog	Other	21st Century Professio	Globally Competitive	StucTeacher	School Administrati
Trend Micro Antivirus	Software	\$725.00	1	\$725.00			District Technolog	Other	Healthy and Responsib	21st Century Systems	School Administratio	Teacher
Trend Micro Antispam	Software	\$500.00	1	\$500.00			District Technolog	Other	Healthy and Responsib	21st Century Systems	School Administratio	Teacher
Firewall Congent Filter	Software	\$1,810.00	1	\$1,810.00			District Technolog	Other	Healthy and Responsib	21st Century Systems	School Administratio	Teacher
SSL-VPN Support	Software	\$285.00	1	\$285.00			District Technolog	Other	Healthy and Responsib	21st Century Systems	School Administratio	Teacher
Teacher Computers	Hardware	\$800.00	10	\$8,000.00			District Technolog	Matching Funds	21st Century Systems	Globally Competitive	StucTeacher	School Administrati
Desktop Computers	Hardware	\$600.00	20	\$12,000.00			District Technolog	Matching Funds	21st Century Systems	Globally Competitive	StucStudent	Teacher
Equipment Repair	Other	\$2,500.00	1	\$2,500.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucSchool Administrati	Teacher
Digital Media for Cameras	Other	\$50.00	1	\$50.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Media for Video Cameras	Other	\$25.00	1	\$25.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Headphones/Mics	Hardware	\$12.00	4	\$48.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Microphones	Hardware	\$30.00	2	\$60.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Printers	Hardware	\$835.00	3	\$2,505.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Proberware	Hardware	\$100.00	2	\$200.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Projector Bulbs	Other	\$400.00	4	\$1,600.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucTeacher	School Administrati
Data Projector	Hardware	\$4,000.00	1	\$4,000.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucTeacher	School Administrati
Podcasting Tools	Other	\$250.00	1	\$250.00			District Technolog	Other	21st Century Systems	Globally Competitive	StucStudent	Teacher
Miscellaneous	Other	\$1,000.00	1	\$1,000.00			District Technolog	Other	21st Century Systems	Leadership	School Administratio	Teacher
Network Hardware	Hardware	\$1,000.00	1	\$1,000.00			District Technolog	Other	21st Century Systems	Healthy and Responsible	School Administratio	Student
Bandwidth	Connectivity	\$3,800.00	1	\$3,800.00			District Technolog	Other	21st Century Systems	Healthy and Responsible	School Administratio	Student
Total Budget Expenditures				\$68,668.00								

Appendix C Network Diagram

The Magellan Charter School – Network Diagram Spring 2008



In compliance with federal laws, N C Public Schools administers all state-operated educational programs, employment activities and admissions without discrimination because of race, religion, national or ethnic origin, color, age, military service, disability, or gender, except where exemption is appropriate and allowed by law. Inquiries or complaints should be directed to:

Dr. Elsie C. Leak, Associate Superintendent
Office of Curriculum and School Reform Services
6307 Mail Service Center
Raleigh, NC 27699-6307
Telephone (919) 807-3761; fax (919) 807-3767