

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Page #	
	Technology Plan Creation Date – 4/11/13
2	Technology Inventory
3	Needs Assessment
4-5	Three-Year Goals
6-8	Three-Year Implementation and strategies table
9-10	Professional Development Strategies
11-12	Evaluation Plan
13	Funding Plan
14	Stakeholders

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Technology Inventory:

1. Describe the technology inventory needed to improve student academic achievement in the 2013-2014 school year that informs the basis for the Form 470. Include in the description the internal connections and basic maintenance for 12 months of the e-rate funded year, such as the following areas:
 - a) Technology equipment including assistive technologies
 - b) Networking capacity
 - c) Filtering method
 - d) Software used for curricular support and filtering
 - e) Technology maintenance and support
 - f) Telecommunications equipment and services
 - g) Other services

Three-Year Technology Plan Inventory Table			
Area of Need	Describe for 2013-14	Describe for 2014-15	Describe for 2015-16
Technology Equipment	265 PC's(187 notebooks, 78 desktops)	265 PC's(187 notebooks, 78 desktops)	265 PC's(187 notebooks, 78 desktops)
Software used for curricular support and filtering	Study Island MAPS Assessment envisionMath SJTP Edge Security Suite	Study Island MAPS Assessment envisionMath SJTP Edge Security Suite	Study Island MAPS Assessment envisionMath SJTP Edge Security Suite
Networking Capacity	Gigabit Connectivity	Gigabit Connectivity	Gigabit Connectivity
Technology maintenance policy and plans	Library automation	Library automation	Library automation
Telecommunications Services	RFP Solutions Comcast	VOIP Systems USA Comcast	VOIP Systems USA Comcast
Technical Support	In House SJTP	In House SJTP	In House SJTP
Other Services:			

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Needs Assessment:

2. Describe the needs assessment process that was used to identify the necessary telecommunication services, hardware, software, and other services to improve education.

Currently our staff is using technology in the following areas: email to communicate with staff and parents, lesson planning, grade book functions, teacher and student research, student and teacher reports, video streaming, library materials checkout, attendance, preparation of IEP's, diagnostic testing, testing preparation, and student drill and practice

A teacher needs assessment was developed based on the six National Educational Technology Standards for Teachers (NETS). All teachers in our district participated in this assessment.

Current software requirements of the various software products the district uses have been evaluated to determine hardware and infrastructure needs.

The current technology educational environment has been evaluated to identify any barriers to improving education through technology.

The Magnolia School District is using the PARCC guidelines to help determine future technology needs.

Our technology committee consisting of teachers, students, parents, community members, and administrators met to discuss: age of our equipment, availability of equipment, quality of equipment, quality of wireless services, printing services, and software purchased by the Magnolia School District to help determine our overall computer needs.

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

THREE-YEAR GOALS:

3. List clear goals for 2013-2016 that address district needs. There must be strong connections between the proposed physical infrastructure (bandwidth, cabling, electrical systems, networks) and goals. Include goals for using telecommunications and technology that support 21st century learning communities.

Goal 1:	All students from the Magnolia, School District will be prepared to excel in the community, work place and in our global society using 21st century skills.
Objective for Goal 1	All students will demonstrate proficiency with educational technology, information literacy, expert decision making and complex communications.
Objective for Goal 1	Instruction and content materials will be universally designed to assure access for all learners through technology.
Objective for Goal 1	Research will be conducted to identify both emerging and promising practices in educational technology so that students will continue to excel in the community, work place and in a global society.

Goal 2:	All educators from the Magnolia School District, including administrators, will attain the 21st century skills and knowledge necessary to effectively integrate educational technology in order to enable students to achieve the goals of the core curriculum content standards and experience success in a global society.
Objective for Goal 2	All educators, including administrators, will participate in ongoing, sustained, high-quality professional development activities focused on infusing 21st century skills into curricula and instructional practices.
Objective for Goal 2	All districts will provide professional development opportunities and technology support for educators, including administrators, in order to enhance proficiency in the planning, funding and implementation of integrating technology-based resources and in assessing technology integration.
Objective for Goal 2	All school administrators will model the 21st century skills necessary to provide effective and informed leadership that supports the infusion of educational technology and encourages learning beyond the school walls.
Objective for Goal 2	All supervision and evaluation practices will address the effective use of educational technology for student achievement of the Core Curriculum Content Standards and success in a global society.

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Goal 3	The Magnolia School district will establish and maintain the technology infrastructure necessary for all students, administrators and staff to safely access digital information on demand and to communicate virtually.
Objective for Goal 3	All school districts will obtain and/or maintain high-speed networks, current hardware/software and Internet access which enable all students and educators to support their curricular activities.
Objective for Goal 3	All school districts will have the technical staff to support and maintain their technology resources and systems.
Objective for Goal 3	School administration will conduct a Total Cost of Ownership analysis and use the results to budget for effective implementation and support of educational technology systems in the district.

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

THREE-YEAR IMPLEMENTATION AND STRATEGIES TABLE:

4. Describe the realistic implementation strategies to improve education. Include in the description the timeline, person responsible and documentation (or evidence) that will prove the activity occurred. Address only 'a' and 'b' below to meet e-rate requirements. Address all areas below to continue planning for a technology-rich learning environment.
 - a. telecommunications,
 - b. information technology,
 - c. educational technology (including assistive technologies), and
 - d. student technology readiness in preparation for online testing in 2015-2015

Three-Year Technology Implementation Activity Table				
District Goal and Objective	Strategy/Activity	Time-line	Person Responsible	Documentation
<p>Goal 1: All students from the Magnolia, School District will be prepared to excel in the community, work place and in our global society using 21st century skills.</p>	<p>Students in grades three through seven will practice creating word processing documents, spreadsheets, graphic organizers, multimedia presentations, database, and mail merges. Students will also practice researching topics from the internet. Cross curricular topics will be used when possible. Students in grade eight will be assessed in all of the above areas. Classroom teachers will also practice technology skills where possible. Students will be assessed using the MAPS testing to prepare for online testing in 2014-2015 as well as to provide teachers with skill proficiency to drive instructional needs.</p>	<p>2013-2016</p>	<p>Principal Teachers</p>	<p>Teacher checklist that corresponds to the core curriculum content standards. Online data generated from MAPS testing.</p>

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Three-Year Technology Implementation Activity Table				
District Goal and Objective	Strategy/Activity	Time-line	Person Responsible	Documentation
<p>Goal 2: All educators from the Magnolia School District, including administrators, will attain the 21st century skills and knowledge necessary to effectively integrate educational technology in order to enable students to achieve the goals of the core curriculum content standards and experience success in a global society.</p>	<p>Educators will attain technology skills through outside Workshops (pending budgetary constraints), In house workshops, and one on one support from peers and our technology coordinator.</p>	<p>2013-2016</p>	<p>Superintendent Principal Technology Coordinator</p>	<p>Sign in sheets and workshop certificates</p>

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Three-Year Technology Implementation Activity Table				
District Goal and Objective	Strategy/Activity	Time-line	Person Responsible	Documentation
<p>Goal 3: The Magnolia School district will establish and maintain the technology infrastructure necessary for all students, administrators and staff to safely access digital information on demand and to communicate virtually.</p>	<p>The file server, switches, internet filter appliance, and router will be closely monitored and maintained in order to provide a continuous access to digital connectivity to the world. The internet filter and antivirus software will be evaluated on a yearly basis to determining its effectiveness in providing “safe” access to digital information for staff and students.</p>	<p>2013-2016</p>	<p>Principal Technology Coordinator</p>	<p>Technology maintenance log</p>

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

PROFESSIONAL DEVELOPMENT STRATEGIES:

5. Professional development strategies should ensure that staff (teachers, school library media personnel and administrators) knows how to effectively use the technologies described in this plan to improve education, and will continue to support identified needs through 2016.

Address only 'a' below to meet e-rate requirements. Address all areas below to continue planning for a technology-rich learning environment.

Describe the planned professional development strategies by addressing each of the following questions:

- a) How will ongoing, sustained professional development be provided to all educators, (including administrators) that increases effective use of technology in all learning environments, models 21st century skills, and demonstrate learning experiences through global outreach and collaboration in the classroom or library media center?

We will continue to be a part of the Sterling Interdistrict group that offers professional development.

We will provide professional development during monthly faculty meeting time, bi-monthly professional learning community time, and professional development days/ half days.

As our district needs evolve and change over the next three years, our district is committed to meet the training needs of our staff.

- b) What professional development opportunities, resources and support (online or in person) exist for technical staff?

Technical staff will have access to outside workshops, support from South Jersey Technology Partnership, in house workshops, and in house support from the technology coordinator.

- c)How will professional development be provided to educators on the application of assistive technologies to support educating all students?

Assistive technology needs will be assessed and addressed on an individual student needs basis. Our district is committed to meet the technology needs of all students and the training needs of all staff.

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Educators' proficiency/ Identified Need	Ongoing, sustained, high-quality professional development planned for	Support
<p>Integrating technology in as many curricular areas as possible.</p>	<p>The Magnolia School District will continue to offer in house technology workshops designed to increase the technology proficiency of the staff.</p> <p>Professional development needs are also addressed one on one with the technology coordinator as well as peer to peer support on an as needed basis.</p> <p>Pending budgetary constraints, the Magnolia School District will encourage staff members to attend out of district technology professional development workshops.</p>	<p>Technical support is available in house.</p>

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

6. EVALUATION PLAN:

Describe the evaluation process that enables the progress and effectiveness of goals to be monitored.

Ongoing evaluation of the Magnolia School District will be used to find answers to these essential questions:

How is technology integrated into the curriculum?

How are electronic resources synthesized and adapted by our users?

How can we match technology with our students' learning needs?

How is our professional development technology infused?

How can technology serve as a catalyst for school improvement and student achievement?

How can technology be used as effective communication within our school district and community?

How can our school/student information resources best be utilized for school management and student achievement?

Teachers in the Magnolia School District will evaluate their students using grading rubrics and core curriculum content standards checklists to assure students are meeting technology goals listed for the district.

The Magnolia School District administration will evaluate teachers using teacher observations, and lesson plan reports from OncourseSystems online lesson plan system to determine what core curriculum content standards have been addressed.

7. Describe the evaluation process to make mid-course corrections in response to new developments and opportunities as they arise.

The Magnolia School Administrators along with the Technology Coordinator will meet periodically to discuss progress of our technology goals. Needs assessment, professional development, and progress in completion of our technology goals will be reviewed at these meetings. If and when corrections to our current plan are deemed necessary, strategies will be developed to meet these needed corrections.

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Educational Technology Plan Evaluation Narrative

Describe the process to regularly evaluate how...

a. Telecommunication services, hardware, software and other services are improving education.

Students and teachers are using technology in many ways to improve education. Using technology provides teachers a wealth of research concerning educating their students. Teachers use technology to gather ideas and materials to supplement their curriculum. Diagnostic software, lesson plan software, and grade book software help teachers do their job faster and more efficiently. Technology is an excellent tool for teachers to deliver differentiated instruction.

Technology provides students with multiple means of expressing the concepts they have learned. Technology provides a level playing field for students with special needs. Technology is a great motivational device for students.

b. Effective integration of technology is enabling students to meet challenging state academic standards.

The Magnolia School District administration will evaluate teachers using teacher observations and lesson plan reports from OncourseSystems online lesson plan system to determine what core curriculum content standards have been addressed.

c. The LEA is meeting the identified goals in the educational technology plan.

The Magnolia School District administration will evaluate all aspects of technology in the district including: professional development, curriculum integration, safe access to digital information, infrastructure obsolescence, quality and quantity of devices, availability of assistive technology, technology support, and network capacity,

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

**District/Nonpublic School/ Charter School
Three-Year Educational Technology Plan Checklist
Funding Plan Sample Table**

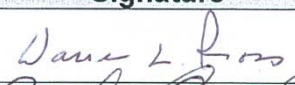
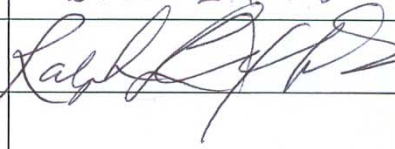

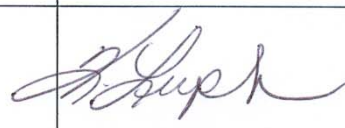
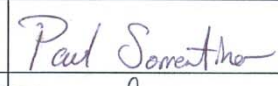
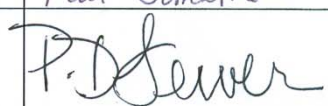
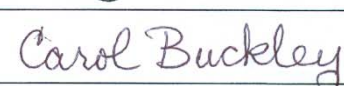

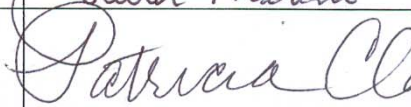

8. Complete this table to indicate the funding source of anticipated costs of technologies to ensure that students have access to technology. The use of this table is optional and is provided as a convenience.

Three-Year Educational Technology Plan Anticipated Funding Table (First Year)					
ITEM	DESCRIPTION OF ITEM TO BE PURCHASED	FEDERAL FUNDING	STATE FUNDING	LOCAL FUNDING	MISC. (e.g. Donations, Grants)
Digital curricula (see NIMAS)	Study Island			1,000.00	
Print media needed to achieve goals	Ink for printers			3,000.00	
Technology Equipment	Computers			20,000.00	
Network	Comcast Internet services			1,000.00	
Capacity	Gigabit Switches			1,000.00	
Filtering	SJTP Edge Security Suite			1,000.00	
Software	MAPS Assessment K7 Antivirus			3,000.00	
Maintenance	SJTP Support			2,500.00	
Upgrades	Web Page fees, Email fees, Lesson Plan fees			3,000.00	
Policy and Plans	K& Antivirus Fees			2,500.00	
Other services					
Further Explanation:					

Three -Year
Magnolia School District
Technology Plan
(2013-2016)

Three -Year
Magnolia School District
Technology Plan
(20010-2013)

I. Stakeholders

Stakeholder Table		
Title	Name	Signature
Superintendent	Dr. Warren Pross	
Principal	Mr. Ralph Johnson	
School Board Member	Mr. Kenneth Carman	
Technology Coordinator	Mr. Marlon Meyer	
Curriculum Director/curriculum committee member	Mrs. Kelly Livingston	
Teacher	Mr. Paul Sorrentino	
Special Education Teacher	Mrs. Patricia Fewer	
Library Media Specialist	Mrs. Carol Buckley	
Guidance	Dr. Ruth Marino	
Parent/Community Member	Mrs. Patty Clark	
Student	Glenn Reiman	
Student	Makayla Harden	