



Wayne County Public Schools Strategic Educational Technology Plan

2005 – 2009

November 2005

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**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 ABCs plan for education:
 - High student performance
 - Quality teachers, administrators and staff,
 - Healthy students in safe, orderly and caring schools
 - Strong family, community and business support, and
 - Effective and efficient operations;
- 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: Wayne County Public Schools

LEA Number: 960

Signature: _____
Superintendent

Local Board Chair

Person of Contact: Olivia Pierce

Telephone number: 919-705-6109

Technology Committee Members

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

Name	Title	Signature	Date
Dr. Steven Taylor	<i>Superintendent</i>		
Nan Barwick	<i>Assistant Superintendent for Finance</i>		
John Hicks	<i>Director of Technology Support</i>		
Sprunt Hill	<i>Assistant Superintendent of Auxiliary Services</i>		
Gene Jackson	<i>Instructional Technology Specialist/Print Shop Manager</i>		
Patricia Jones	<i>Director NC WISE</i>		
Nancy Mayo	<i>Seymour Johnson Air Force Base School Liaison Officer</i>		
Dr. Sandra McCullen	<i>Associate Superintendent for Curriculum and Instruction</i>		
Dr. Craig McFadden	<i>Assistant Superintendent for Accountability and Student Services</i>		
Olivia Pierce	<i>Executive Director of PR/Media/Technology</i>		
Marlee Ray	<i>Director of Programs for Exceptional Children</i>		
Tony Smith	<i>Director of the Wade Edwards Learning Lab</i>		
Denny Tart	<i>Director of Career & Technical Education</i>		
JodieKay Wyrosdick	<i>Instructional Technology Specialist</i>		
Robert Yancey	<i>Instructional Technology Specialist</i>		

VISION

In Wayne County Public Schools, all students and staff will experience continuous academic and personal growth through the effective use of current and emerging technologies.

Every facility in the Wayne County Public Schools will be an information-rich, technology-based environment. Through accessing and utilizing a variety of information resources, students and staff will be empowered to be active participants in a global community of learners. Every student in Wayne County Public Schools will use technology to learn successfully. Students will acquire the technological skills necessary to become productive citizens in a democratic society. They will be processors of knowledge rather than passive recipients of information.

Effective utilization of technology will enable all staff to meet the needs of our diverse student population. Greater individualization of school programs will prepare students to master critical skills and concepts essential for higher levels of thinking and learning. Each Wayne County public school will be an effective learning community able to network locally and connect globally. All members of these school communities will be empowered with the technological skills needed to succeed in the Information Age.

Vision for High Student Performance

Wayne County Public Schools strives to implement and seamlessly integrate technologies in order to enhance and motivate student learning and improve student achievement.

Students must have ready access to information that will allow them to discover, gather and analyze information that will help them to acquire knowledge, as well as develop critical thinking and problem solving skills. Proficiency in using technology will enable students to enhance their learning while in school, and prepare them for active roles in the workplace, community and personal arenas. Educating students and teachers to maximize their use and understanding of technological tools must be a vital part of our school curriculum.

The goal of the Wayne County Public Schools System is to help students recognize technology as a tool. Technology as a tool empowers students to evaluate and solve problems, expand their knowledge and communicate with the global community. The high student performance strategic priority is designed to encourage students to acquire essential technology skills. Through the acquisition and use of these skills, students will be able to gather, analyze and synthesize information in creative ways.

Vision for Healthy Student in Safe, Orderly and Caring Schools

Wayne County Public Schools will provide safe, orderly and caring learning environments for students, staff and community members by using technologies necessary to support this endeavor.

Providing an environment conducive to learning is a high priority for Wayne County Public Schools. In order for this environment to exist, the district must create a sense of safety, order and caring within the schools. The district will continue to explore using technology as a tool to support its vision of the perfect learning environment.

Vision for Quality Teachers, Administrators and Staff

In Wayne County Public Schools all staff will participate in professional development necessary to ensure continued academic, career and personal growth through the effective use of current and emerging technologies.

Wayne County Public Schools realizes the positive benefits that can be derived from an infusion of technology in the classroom and the workplace. This process requires that employees are trained and updated in technology use on a regular, timely basis. The acquisition of knowledge and the integration of skills must be ongoing to be successful.

When acquiring new knowledge and integrating new skills, time is an essential element. Teachers, administrators and staff need time to learn, time to practice and time to evaluate professional growth. Wayne County Public Schools believes in the importance of professional development and will provide opportunities and resources to promote this endeavor.

Vision for Strong Family, Community and Business Support

Wayne County Public Schools will utilize appropriate technology tools as a fundamental vehicle for communication with families, businesses and community members.

Wayne County Public Schools will strive to ensure that students, parents, employees, and the community receive timely, useful and accurate information. Wayne County Public Schools will provide on-going information and opportunities for collaboration to businesses, industries, IHE's, non-profit organizations, and the community. Wayne County Public Schools will do this by building on current successes and by ensuring that all stakeholders are aware of the impact of media and technology programs on teaching and learning.

Vision for Effective and Efficient Operations

Wayne County Public Schools will continue to maximize the investment made in technology resources with an emphasis on effective and efficient use.

Technology plays a vital role in communication, creative expression, production and research in a dynamic world. Computers and supporting technologies are a necessary part of our day-to-day activities. Technology is an integral part of daily operations in Wayne County Public Schools. The district's vision for effective and efficient operations relating to technology is reflected in its implementation of support personnel, funding sources, network security, enforceable policies, adequate bandwidth and sufficient hardware in accordance with recommendations by Instructional Technology Specialists and IMPACT guidelines.

High Student Performance: Current Situation Narrative

Student Resources

Implementation of the 2001-2005 Technology Plan and its updates has enhanced learning and created active learners. Administrators and teachers have promoted the use of technology among students to assist them in achieving state and federal standards as outlined by the ABCs of Public Education and the No Child Left Behind Act. With a current ratio of four students to each computer and 100% internet connectivity in the classroom, every student is assured convenient access to technology-based resources in the Wayne County Public Schools system. Technology must be accessible to be used as a relevant tool by the students. The following are examples of technology-based instructional programs Wayne County Public Schools has put into use and/or supported to increase student achievement and enhance instructional offerings:

- Accelerated Math
- Accelerated Reader
- Title 1 Take Home Computer Program
- Compass Learning Labs in all Elementary Schools
- PLATO in Middle and High Schools
- Failure Free Reading in Middle and High Schools
- LightSpan-Reading and Math in Elementary Schools
- Access to web resources such as NC WiseOwl, Kaleidoscope, and SAS in School
- Technology Enhanced Writing/Publishing Programs K-12
- Distance Learning classes via sources such as LearnNC, Oklahoma State University Distance Learning Academy, and USDLC for grades 9-12.
- TI scientific calculators
- Machine-Based Learning hardware/software for grades 9-12 career and technical classes
- Rosetta Stone software for ESL students

A few of these programs have become key technology programs for Wayne County Public Schools. To improve reading and math skills, Wayne County Public Schools has embraced the use of PLATO, Compass, and Study Island. As learning management systems, these programs allow the schools to efficiently assess student achievement and then address individual student needs at a level and pacing that is appropriate. Other programs, which allow schools to assess and benchmark student achievement through the use of technology, are STAR Math, STAR Reading, Read 180, and Reading First.

The use of web-based resources has become an integral part of Wayne County Public Schools' mission to provide comprehensive resources for student and teacher use. SAS in School is utilized in the high schools as an enrichment resource for core academic classes and some elective classes (i.e. Spanish). Kaleidoscope, while comprehensive in nature, is used by the elementary and middle schools to support specific learning objectives. The breadth of Kaleidoscope prevents many instructors from using the program in its entirety.

NC WiseOwl is promoted as the web search portal of choice for students and teachers in our schools. Students are encouraged to utilize the online media center to assist in research. NC Wise Owl is also promoted to teachers as a resource for a variety of professional resources such as online journals and as a source for web-based resources.

Career and Technical Education is another major focus for Wayne County Public Schools' technology plan and the implementation of technological tools. Due to the progressive nature of technology, traditional keyboarding classes were replaced with the Digital Communications curriculum in the high schools. This curriculum not only emphasizes keyboarding skills, but also highlights current technology trends present in the workplace today. Rosewood High School offers Digital Media 1 and 2 classes, which emphasize the fundamental concepts of audio and video design, various digital media technologies, non-linear editing, and product development and design. Rosewood High School is one of a few high schools in North Carolina offering this curriculum.

Another emerging use of technology in the school system is the distance learning program. High school students have the option to take classes through an assortment of distance learning opportunities. Classes are supplied through a number of providers including LearnNC, United Star Distance Learning Consortium, and Oklahoma State University Distance Learning Academy. These providers mostly focus on elective classes and AP/Honors level core curriculum classes (LearnNC). By taking the classes online, students are given the opportunity to engage in curriculum that may not be offered at their schools. Classes taken by Wayne County students through the distance learning programs include Latin, German, Practical Law, Visual Basic, Web Design, and Integrated Mechanical Physics with Logical Reasoning.

Computer Skills Test

The North Carolina Test of Computer Skills has been a major focus in Wayne County Public Schools since its implementation. The school system has attempted to address this test in a variety of ways:

- Schools have been encouraged to integrate the technology skills curriculum into the standard classroom curriculum. This endeavor has been supported by district-wide and school-based staff development as well as online resources.
- Remediation programs have been created at the middle and high schools to assist students who do not pass the Computer Skills Test. Funding has been provided by the district through the EETT grant to support remediation programs.
- A Computer Skills Profile is maintained for all K-8 students and is a permanent part of each student's cumulative folder. The Profile tracks student mastery of computer skills as outlined in the Standard Course of Study.
- Wayne County's custom-designed K-5 Computer Skills Assessment is used to promote the integration of the K-5 computer skills curriculum. It also aids teachers in identifying the computer skills that students need to master.

Computer Skills Curriculum

The Instructional Technology department has promoted the implementation and integration of the Computer Skills Curriculum throughout the years. Classes for teachers have been sponsored through the district's Technology Integration Center in an effort to promote research-based technology integration techniques. Classes taught range from

utilizing digital imagery in the classroom to using the internet to promote student reading skills. The classes have been very popular and are usually free. To support the computer skills curriculum on a daily basis at the schools, the department has utilized the EETT grant to fund stipends for the Technology Mentor position at the schools. The Technology Mentor is a regular classroom teacher who models technology integration and provides specialized site-based technology staff development.

Assistive Technology

Wayne County Public Schools has utilized a vast array of assistive technologies to accommodate the needs of special populations. Technologies run the gamut of complex devices (classroom-based sound amplification systems) to deceptively simplistic tools (communication switches). The most dominant technology used in the district is auditory trainers, which are primarily used to assist students with hearing disabilities and auditory processing deficiencies. The simplest device consists of a receiver worn by the student and a transmitter worn by the teacher. In more extreme cases, entire rooms have been outfitted with sound amplification systems, which eliminate the need for the teacher transmitter. Other technologies used in the district include, but are not limited to, computer touch screens, brailers, hydraulic changing tables and a variety of voice-activated devices.

Impact Model

Wayne County Public Schools avidly promotes the IMPACT Guidelines as a map for how media and technology should be used in the schools. The school system promotes the use of flexible access to computer labs and media centers throughout all of its schools. All schools in the district, with the exception of two alternative schools, have a full-time media coordinator. Media coordinators work collaboratively with teachers to integrate the information skills curriculum into the core curriculum through planning and instruction. In addition, media coordinators provide staff development to faculty and staff regarding Copyright and Acceptable Use Policies.

Technology Mentors are provided to each school in the district through funding made possible by the EETT grant. The district provides an Executive Director for PR/ Media/ Technology and a Director of Technology Support. TEAMS committees are set up at each school consisting of the media coordinator, Technology Mentor, and an administrator. The TEAMS committee's primary purpose is to act as a decision-making body for day-to-day technology choices. This committee operates as the central hub to the Media and Technology Advisory Committee. Collaboration among teachers and technology-based personnel is promoted through the Technology Mentor and the TEAMS committee. During the 2003-2004 school year, principals, assistant principals and media coordinators were trained on the revised MCPAI.

High Student Performance: Strategic Technology Plan

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

1. Mathematics/reading score 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

Strategic Priority 1: High Student Performance							
Strategic Goal: (Please check.)							
<input type="checkbox"/> Every child ready for school <input checked="" type="checkbox"/> Rigorous and relevant academic standards and assessment systems for every student <input checked="" type="checkbox"/> Every student masters essential knowledge and skills <input checked="" type="checkbox"/> Every student graduates from high school <input checked="" type="checkbox"/> Every student a life long learner and ready for work							
Objective 1.1 Develop and utilize resources to implement the Computer Skills curriculum in order to increase technology integration and student computer skills.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
1.1.1 Provide yearly remediation and retesting opportunities for students who do not pass the 8 th grade Computer Skills Test. • Strive to have 100% of Wayne County Public Schools' students pass the Computer Skills Test. (#4)	Human: • Tutors Materials: • Applicable hardware and software	• District Level Instructional Technology Specialists	• Tutors and Supplies (yearly, \$5000) • Computer Skills Incentives (yearly, \$8,000)	• EETT Grant	Begin • 08/01/05 End • 06/30/09	• Middle and High School Remediation plans • Computer Skills Test Scores	• Annual (Nov.) • Bi-Annual (Nov. & Apr.)

Strategic Priority 1: High Student Performance							
Strategic Goal: (Please check.) <input type="checkbox"/> Every child ready for school <input checked="" type="checkbox"/> Rigorous and relevant academic standards and assessment systems for every student <input checked="" type="checkbox"/> Every student masters essential knowledge and skills <input checked="" type="checkbox"/> Every student graduates from high school <input checked="" type="checkbox"/> Every student a life long learner and ready for work							
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Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
1.1.2 Develop and utilize a variety of methods for annually assessing student progress in the acquisition of Computer Technology Skills. Examples of resources: <ul style="list-style-type: none"> • A computer skills assessment tool for grades kindergarten through fifth grade to assess students' needs and evaluate growth applicable to the computer skills curriculum. • Computer skills profile folders will be maintained to track mastery of computer skills curriculum objectives. <p style="text-align: right;">(#4 and 5)</p>	Human: <ul style="list-style-type: none"> • District Level Instructional Technology Specialists • Technology Mentors • Teachers Materials: <ul style="list-style-type: none"> • Applicable internet access, hardware and software 	<ul style="list-style-type: none"> • Associate Superintendent for Curriculum and Instruction • Executive Director of PR/Media/Technology 	<ul style="list-style-type: none"> • Computer Lease Plan (yearly, <i>See 5.4.2</i>) 	<ul style="list-style-type: none"> • <i>See 5.4.2</i> 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Computer Skills Assessment Data • Computer Skills Folders 	<ul style="list-style-type: none"> • Bi-Annual (Oct. & April) • Annual (June)

Strategic Priority 1: High Student Performance							
Strategic Goal: (Please check.) <input type="checkbox"/> Every child ready for school <input checked="" type="checkbox"/> Rigorous and relevant academic standards and assessment systems for every student <input checked="" type="checkbox"/> Every student masters essential knowledge and skills <input checked="" type="checkbox"/> Every student graduates from high school <input checked="" type="checkbox"/> Every student a life long learner and ready for work							
Objective 1.1 Develop and utilize resources to implement the Computer Skills curriculum in order to increase technology integration and student computer skills.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
1.1.3 Develop and utilize a variety of resources to support the implementation and integration of the computer skills curriculum through the use of resources such as: <ul style="list-style-type: none"> • Learn NC • NC WiseOwl • MarcoPolo • SAS in School • Kaleidoscope • District Inter- and Intranet Websites <p style="text-align: right;">(#5 & #7)</p>	Human: <ul style="list-style-type: none"> • Technology Facilitators Materials: <ul style="list-style-type: none"> • Applicable internet access, hardware and software 	<ul style="list-style-type: none"> • District Level Instructional Technology Specialists • Director of Technology Support 	<ul style="list-style-type: none"> • Internet Connection (yearly, <i>see 5.4.3</i>) 	<ul style="list-style-type: none"> • <i>See 5.4.3</i> 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Website administration reports • Elementary Lab Reports • Random Sampling Surveys 	<ul style="list-style-type: none"> • Annual (May) • Every 9 weeks • Bi-Annual (Dec. & May)

Strategic Priority 1: High Student Performance

Strategic Goal: (Please check.)
 Every child ready for school
 Rigorous and relevant academic standards and assessment systems for every student
 Every student masters essential knowledge and skills
 Every student graduates from high school
 Every student a life long learner and ready for work

Objective 1.1 Develop and utilize resources to implement the Computer Skills curriculum in order to increase technology integration and student computer skills.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>1.1.4 Provide assistive and/or adaptive hardware and software based on assessment of individual needs as indicated in the student's IEP. WCPS will partner with the Assistive Technology Center in Greenville to assist in assessment of individual needs.</p> <p>(#9)</p>	<p>Human:</p> <ul style="list-style-type: none"> • IEP Team Support <p>Materials:</p> <ul style="list-style-type: none"> • Assistive technology devices as identified by student need • Staff Development 	<ul style="list-style-type: none"> • EC Director • EC Coordinator 	<ul style="list-style-type: none"> • To be determined based on identified student (yearly, \$21,500) • Conferences, Workshops & Training (yearly, \$9,000) 	<ul style="list-style-type: none"> • State • Federal 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Review of IEP needs and placement of assistive tech • Student Referrals • IEP date 	<ul style="list-style-type: none"> • As identified throughout the school year

Strategic Priority 1: High Student Performance

Strategic Goal: (Please check.)

- Every child ready for school
- Rigorous and relevant academic standards and assessment systems for every student
- Every student masters essential knowledge and skills
- Every student graduates from high school
- Every student a life long learner and ready for work

Objective 1.2 Improve student academic performance and prepare students for lives as productive individuals beyond the school with a concentration on curriculum areas measured by state and federal accountability standards.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>1.2.1 Provide LMS (Learning Management Systems) training on appropriate program use to classroom teachers in an effort to improve math and reading skills. Examples of these programs include:</p> <ul style="list-style-type: none"> • Plato <ul style="list-style-type: none"> ◦ Migrate to web-based platform • Compass • Study Island • Renaissance <p style="text-align: right;">(#1)</p>	<p>Human:</p> <ul style="list-style-type: none"> • District Level Instructional Technology Specialists <p>Materials:</p> <ul style="list-style-type: none"> • Applicable internet access, hardware and software 	<ul style="list-style-type: none"> • Associate Superintendent for Curriculum and Instruction • Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> • Service Agreements (yearly, \$38,600) • Internet Access (yearly, <i>See 5.4.3</i>) • Plato Migration (year 2, \$20,000) 	<ul style="list-style-type: none"> • EETT Grant • Local • State 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • LMS Administration Reports • Computer Lab Reports • Student Test Data 	<ul style="list-style-type: none"> • Annual (May) • Every 9 weeks • Bi-Annual (Dec. & June)
<p>1.2.2 Provide access to appropriate student technology resources and training on its use in order to enrich the core curriculum. Examples of resources:</p> <ul style="list-style-type: none"> • NC Wise Owl • SAS in School • MS Office <p style="text-align: right;">(Con't)</p>	<p>Human:</p> <ul style="list-style-type: none"> • District Level Instructional Technology Specialists • District Lead Teachers/ Directors 	<ul style="list-style-type: none"> • Executive Director of PR/ Media/ Technology • Associate Superintendent for Curriculum and Instruction 	<ul style="list-style-type: none"> • MBL Software (yearly, \$69,600) • MBL Hardware (yearly, \$266,284) 	<ul style="list-style-type: none"> • Local • State • Federal 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Program Administration Reports • Computer Lab Reports • Random Sampling Surveys 	<ul style="list-style-type: none"> • Annual (May) • Every 9 weeks • Bi-Annual (Dec. & May)

Strategic Priority 1: High Student Performance							
Strategic Goal: (Please check.)							
<input type="checkbox"/> Every child ready for school <input checked="" type="checkbox"/> Rigorous and relevant academic standards and assessment systems for every student <input checked="" type="checkbox"/> Every student masters essential knowledge and skills <input checked="" type="checkbox"/> Every student graduates from high school <input checked="" type="checkbox"/> Every student a life long learner and ready for work							
Objective 1.2 Improve student academic performance and prepare students for lives as productive individuals beyond the school with a concentration on curriculum areas measured by state and federal accountability standards.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<ul style="list-style-type: none"> Scholastic Keys CFNC Calculators MBL – Machine Based Learning Voice Recognition Software (#2)	Materials: <ul style="list-style-type: none"> Applicable internet access, hardware and software Conferences, Workshops & Training 		<ul style="list-style-type: none"> Calculators (yearly, \$24,000) Internet Access (yearly, <i>See 5.4.3</i>) Conferences, Workshops & Training (yearly, \$148,000) 				
1.2.3 Provide access to a variety of distance learning opportunities. Examples include: <ul style="list-style-type: none"> Virtual High School Learn NC Web Academy USDLC Novel STARS Videoconferencing (#8)	Human: <ul style="list-style-type: none"> Distance Learning Facilitators Materials: <ul style="list-style-type: none"> Applicable internet access, hardware and software available on site 	<ul style="list-style-type: none"> Associate Superintendent for Curriculum and Instruction Director of Technology Support Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> Internet Access (yearly, <i>See 5.4.3</i>) Novel STARS (yearly, \$16,000) Distance Learning Salaries (yearly, \$242,000) 	<ul style="list-style-type: none"> Local State 	Begin <ul style="list-style-type: none"> 08/01/05 End <ul style="list-style-type: none"> 06/30/09 	<ul style="list-style-type: none"> Enrollment Reports End of Course Surveys 	<ul style="list-style-type: none"> Bi-Annual (Dec. & May) Bi Annual (Dec. & May)

Strategic Priority 1: High Student Performance							
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Objective 1.3 Implement components of the IMPACT model to promote effective media/technology programs.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
1.3.1 Increase flexible access to media centers and computer labs so that students and teachers can access resources and services at point of need. (#3)	Human: <ul style="list-style-type: none"> Media Coordinators Technology Facilitators Materials: <ul style="list-style-type: none"> IMPACT Manuals (Print and digital versions) 	<ul style="list-style-type: none"> District Level Instructional Technology Specialists Executive Director of PR/Media/Technology 	<ul style="list-style-type: none"> Printing Expenses (year 1, \$1,000) 	<ul style="list-style-type: none"> Local 	Begin <ul style="list-style-type: none"> 08/01/05 End <ul style="list-style-type: none"> 06/30/09 	<ul style="list-style-type: none"> AMTR Report Access Schedules for Media Centers and Computer Labs 	<ul style="list-style-type: none"> Annual (June) Every 9 weeks
1.3.2 Foster collaboration among teachers, Technology Facilitators and Media Coordinators as outlined in IMPACT: Guidelines for Media and Technology Programs. Examples: <ul style="list-style-type: none"> Promote inclusion of the media coordinator and Technology Facilitator in planning committees Require MTAC committees to meet a min of once per 9 weeks (#3)	Human: <ul style="list-style-type: none"> Media Coordinators Technology Facilitators Materials: <ul style="list-style-type: none"> IMPACT Manuals (Print and digital versions) 	<ul style="list-style-type: none"> Principals Executive Director of PR/Media/Technology 	<ul style="list-style-type: none"> Printing Expenses (year 1, <i>See 1.3.1</i>) 	<ul style="list-style-type: none"> <i>See 1.3.1</i> 	Begin <ul style="list-style-type: none"> 08/01/05 End <ul style="list-style-type: none"> 06/30/09 	<ul style="list-style-type: none"> MTAC & TEAMS Meeting Minutes Media Reports Random Sampling Surveys 	<ul style="list-style-type: none"> Every 9 weeks Every 9 weeks Bi-Annual (Dec. & May)

Strategic Priority 1: High Student Performance							
Strategic Goal: (Please check.)							
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Objective 1.3 Implement components of the IMPACT model to promote effective media/technology programs.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
1.3.3 Integrate Information Skills into the core curriculum through collaborative techniques which utilize a broad range of resources. • Recommend that 60% of instructional 411 funds per school be used for material resources. (#6)	Human: • Teachers • Media Coordinators Materials: • Books • Non-print Resources • Electronic Resources • Online Resources • Applicable hardware and software	• Principals • Executive Director of PR/ Media/ Technology	• Local Media Center ADM allotment (yearly, \$283,950) • SIRS (yearly, \$22,750) • Gale Resource Center (yearly, \$12,920) • Follett Subscription (yearly, \$33,040)	• Local • State • Federal	Begin • 08/01/05 End • 06/30/09	• AMTR Report • Media Reports	• Annual (June) • Every 9 weeks
1.3.4 Implement a web-based centralized library management system that is curriculum integrated. (#6)	Human: • Instructional Media Specialist • Media Coordinators Materials: • Subscription Fees • Applicable internet access, hardware and software	• Principals • Executive Director of PR/ Media/ Technology	• Library Management System (year 3, \$200,000)	• State	Begin • 08/01/08 End • 06/30/09	• Management System Report	• Annual (June)

Healthy Students in Safe, Orderly and Caring Schools: Current Situation Narrative

Safe Schools

A variety of technology tools are used in Wayne County Public Schools to ensure that students and staff learn and work in safe, orderly and caring school environments. One example of technology used to promote safe schools is the implementation of electronic equipment to monitor movement in and around schools. Hand-held and walk-through metal detectors have been purchased to ensure a safe school environment and are used as needed. Shortwave radios are used for interschool communications in turn empowering schools with additional safety measures.

All school bus drivers are provided cell phones for emergency use during their bus routes. Each school is provided school bus surveillance cameras which are rotated among the buses as needed. Every bus has a “box” that encloses the camera so that students never know whether or not a camera is actually present. In addition, the school system has implemented the use of GPS trackers with the school bus fleet.

Wayne County Public Schools subscribes to the Honeywell Instant Alert system. The system enables instant notification to parents in the event of a crisis situation or inclement weather. Data is imported into the program at each school in order to contact parents by home phone. Parents have the option of registering to have messages sent to other voice, email or pager numbers. The Instant Alert system assists in providing a safe environment by utilizing technology to make contact with *all* parents, faculty and staff while utilizing a minimal amount of personnel. A district-level safety committee periodically reviews crisis response procedures as well as hardware and software needs related to safety.

Child Nutrition

The Child Nutrition Department utilizes technology to support and increase the efficiency of their work. Point of Sale, a database program, enables cafeteria managers to run daily and monthly reports to track and account for each meal served. Cafeteria managers also utilize Microsoft Word to create announcements, memos and posters. To provide a quicker and more effective form of communications, the Director of Child Nutrition employs the use of email with the cafeteria managers and other individuals as related to the department.

Surveillance Systems

Surveillance camera systems are used in all high schools and in several middle schools. In participating schools, cameras are positioned in hallways, computer labs, cafeterias, points of entrance, as well as, main administrative areas. Monitors are located in administration offices as well as other strategic locations in the buildings convenient for quick access. A pilot web-based surveillance system is being installed at one high school which will enable the principal to check the surveillance system from their home.

Student Programs

Communities in Schools (CIS) offer several programs which impact our students such as the reading program, “Great Leaps”. Teen Health Core, a CIS program at Goldsboro High School has partnered with North Drive Elementary to provide a caring environment for students. In this program, high school students assist elementary students in utilizing technology tools that motivate students to read. Another example of

a CIS program is Teen Court. In this program, first-time juvenile offenders committing a minor infraction of the law, have the option of pleading guilty to the charges and attending a sentencing hearing by their peers in this program. Teen Court is held with peers of the offender serving as prosecutors, defenders, bailiffs and jurors. Technology is utilized to support the judicial process, analyze outcomes and assist with follow-up procedures and data analysis.

Discipline Data

Student disciplinary data is collected on the NC WISE system which is mandated by the North Carolina Department of Public Instruction. All users of this disciplinary data collection system have received three hours of intensive training specific to the input of disciplinary incidents. This program enables the school system to generate the required Disciplinary Data Collection Report at the end of the current school year as required by NCDPI. The data from this report enables the school system to more accurately track discipline incidents, evaluate for trends and implement strategies to ensure safe and orderly schools.

Healthy Students in Safe, Orderly and Caring Schools: Strategic Technology Plan

Include at least one strategy or objective that addresses 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
6. Classroom telephone systems and other communications devices
7. Website use (district, school and classroom)

Strategic Priority 2: Healthy Students in Safe, Orderly and Caring Schools							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Learning environments inviting and supportive of high student performance <input type="checkbox"/> Schools free of controlled and illegal substances and all harmful behavior <input checked="" type="checkbox"/> Mutual respect of students, teachers, administrators and parents <input checked="" type="checkbox"/> Adequate, safe education facilities that support high student performance							
Objective 2.1 Provide a safe and accessible Web portal for student, employee and community use.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
2.1.1 Facilitate the creation and maintenance of accessible user friendly and informative websites. (#7) (Con't.)	Human: <ul style="list-style-type: none"> • District and School Web Masters Materials: <ul style="list-style-type: none"> • Webpage Manual • How to Master Front Page Course • Template for Webpage Design 	<ul style="list-style-type: none"> • Executive Director of PR/Media/Technology 	<ul style="list-style-type: none"> • Web Design & Development (yearly, \$5,000) • Internet Access (yearly, <i>See 5.4.3</i>) 	<ul style="list-style-type: none"> • Local • State 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Web Master Report on District Accessibility 	<ul style="list-style-type: none"> • Semi-annual (Dec & June)

Strategic Priority 2: Healthy Students in Safe, Orderly and Caring Schools

Strategic Goal: (Please check.)
 Learning environments inviting and supportive of high student performance
 Schools free of controlled and illegal substances and all harmful behavior
 Mutual respect of students, teachers, administrators and parents
 Adequate, safe education facilities that support high student performance

Objective 2.1 Provide a safe and accessible Web portal for student, employee and community use.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
	<ul style="list-style-type: none"> • Applicable internet access, hardware and software 						
2.1.2 Maintain a filtering system and firewall for internet and email resources in order to provide a safe and orderly environment for students, community and employees. (#5)	Human: <ul style="list-style-type: none"> • WAN Engineer Materials: <ul style="list-style-type: none"> • Software Updates • Applicable Hardware 	<ul style="list-style-type: none"> • Executive Director of PR/Media/Technology • Director of Technology Support 	<ul style="list-style-type: none"> • Filtering System (yearly, <i>See 5.4.1</i>) • Internet Access (yearly, <i>See 5.4.3</i>) 	<ul style="list-style-type: none"> • <i>See 5.4.1 & 5.4.3</i> 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • WAN update reports 	<ul style="list-style-type: none"> • Monthly
2.1.3 Utilize an Acceptable Use Policy (AUP) with all students and employees. (#7)	Human: <ul style="list-style-type: none"> • District Level Instructional Technology Specialists • Technology Facilitators • Media Coordinators • Principals Materials: <ul style="list-style-type: none"> • AUP 	<ul style="list-style-type: none"> • Superintendent • Executive Director of PR/Media/Technology 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Signed AUPs 	<ul style="list-style-type: none"> • Annual (August)

Strategic Priority 2: Healthy Students in Safe, Orderly and Caring Schools							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Learning environments inviting and supportive of high student performance <input type="checkbox"/> Schools free of controlled and illegal substances and all harmful behavior <input checked="" type="checkbox"/> Mutual respect of students, teachers, administrators and parents <input checked="" type="checkbox"/> Adequate, safe education facilities that support high student performance							
Objective 2.2 Provide healthy, safe and orderly school sponsored environments for all students, employees and community members.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
2.2.1 Equip all classrooms with an effective communication device(s): <ul style="list-style-type: none"> • Telephones/IP telephony • Paging • Call buttons (#6)	Human: <ul style="list-style-type: none"> • Director of Technology Support • Installers Materials: <ul style="list-style-type: none"> • Applicable Equipment • Staff Development 	<ul style="list-style-type: none"> • Assistant Superintendent of Auxiliary Support 	<ul style="list-style-type: none"> • Contractor & Hardware (yearly, \$180,000) • Conferences, Workshops & Training (yearly, \$50,000) 	<ul style="list-style-type: none"> • Local (in-kind) • Federal • E-Rate 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • AMTR • Status Report of Purchases 	<ul style="list-style-type: none"> • Annual (June)
2.2.2 Outfit all schools with electronic surveillance cameras. (#1)	Human: <ul style="list-style-type: none"> • Principals Materials: <ul style="list-style-type: none"> • Cameras 	<ul style="list-style-type: none"> • Assistant Superintendent of Auxiliary Support 	<ul style="list-style-type: none"> • Cameras and Installation (yearly, \$10,000) 	<ul style="list-style-type: none"> • Federal 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Installation Reports 	<ul style="list-style-type: none"> • Annual (June)

Strategic Priority 2: Healthy Students in Safe, Orderly and Caring Schools							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Learning environments inviting and supportive of high student performance <input type="checkbox"/> Schools free of controlled and illegal substances and all harmful behavior <input checked="" type="checkbox"/> Mutual respect of students, teachers, administrators and parents <input checked="" type="checkbox"/> Adequate, safe education facilities that support high student performance							
Objective 2.2 Provide healthy, safe and orderly school sponsored environments for all students, employees and community members.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
2.2.3 Incrementally install video surveillance and Automatic Vehicle Locator (AVL) systems on all school buses. (#2)	Human: • Director of Transportation Materials: • Video/ AVL Equipment • Staff Development	• Assistant Superintendent of Auxiliary Support	• Video Surveillance (year 2, \$17,500) • AVL Systems (year 2, \$54,950) • Conferences, Workshops & Training (yearly, \$5,000)	• Local	Begin • 08/01/06 End • 06/30/09	• Installation Reports	• Annual (June)
2.2.4 Incrementally increase and upgrade the number of handheld and walk-through metal detectors. (#1)	Human: • Principals Materials: • Metal Detectors	• Assistant Superintendent of Auxiliary Support	• Security Hardware (yearly, \$10,000)	• Local	Begin • 08/01/05 End • 06/30/09	• Installation/Purchase Reports	• Annual (June)
2.2.5 Implement a district-wide staff/student ID system. (#3)	Human: • Principals • Technology Support Personnel • Public Relations Officer Materials: • Cameras, Software, Hardware, Supplies	• Executive Director of PR/ Media/ Technology • Assistant Superintendent of Auxiliary Support	• ID Package (year 3, \$25,000)	• Local	Begin • 08/01/07 End • 06/30/09	• Installation Reports	• Annual (June)

Strategic Priority 2: Healthy Students in Safe, Orderly and Caring Schools							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Learning environments inviting and supportive of high student performance <input type="checkbox"/> Schools free of controlled and illegal substances and all harmful behavior <input checked="" type="checkbox"/> Mutual respect of students, teachers, administrators and parents <input checked="" type="checkbox"/> Adequate, safe education facilities that support high student performance							
Objective 2.2 Provide healthy, safe and orderly school sponsored environments for all students, employees and community members.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
2.2.6 Provide training to effectively use technology to ensure, monitor and improve environmental quality in district facilities. (i.e. air and water quality, temperature control, relative humidity, etc.) (#1)	Human: • Principals Materials: • Staff Development	• Assistant Superintendent of Auxiliary Support	• Conferences, Workshops & Training (yearly, \$22,000)	• Local	Begin • 08/01/05 End • 06/30/09	• Staff Development Logs	• Annual (June)

Strategic Priority 2: Healthy Students in Safe, Orderly and Caring Schools

Strategic Goal: (Please check.)

- Learning environments inviting and supportive of high student performance
- Schools free of controlled and illegal substances and all harmful behavior
- Mutual respect of students, teachers, administrators and parents
- Adequate, safe education facilities that support high student performance

Objective 2.3 Ensure all student data information/tracking systems are used fully and efficiently.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
2.3.1 Populate optional data fields in NC WISE. (#4)	Human: • Data Managers Materials: • Applicable internet access, hardware and software	<ul style="list-style-type: none"> • Assistant Superintendent of Accountability • Director of NC WISE 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	Begin • 08/01/05 End • 06/30/09	<ul style="list-style-type: none"> • Random School Site Survey 	<ul style="list-style-type: none"> • Semi-Annual (Dec & June)
2.3.2 Analyze discipline data in order to project and alleviate potential discipline issues. (#4)	Human: • Principals Materials: • Data Reports	<ul style="list-style-type: none"> • Director of Human Services • Assistant Superintendent of Student Testing and Accountability 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	Begin • 08/01/05 End • 06/30/09	<ul style="list-style-type: none"> • Incident Reports 	<ul style="list-style-type: none"> • Every 9 weeks

Quality Teachers, Administrators and Staff: Current Situation Narrative

Basic Technology Competencies for Educators:

Wayne County Public Schools requires that three Technology Renewal Credits (TRCs) must be earned toward license renewal during a five-year renewal cycle. The competencies addressed are:

- Computer operation skills
- Setup, maintenance, and troubleshooting
- Word processing/introductory desktop publishing
- Spreadsheets
- Databases
- Networking
- Telecommunications and Media communications
- Integration strategies and project-based learning

ISTE's NETS for Teachers is promoted in TIC technology integration courses and on the intranet established for faculty and staff within the district.

Technology Integration Center (TIC)

Wayne County Public Schools has a centrally located Technology Integration Center at Goldsboro High School, which is open during and after school hours. The district level Instructional Technology Specialist(s) facilitate courses which are based on ISTE's NETS for Teachers. Each course consists of ten hours of hands-on training and learning, designed to change the mindset of teachers through integration of the technology skills into the core curriculum. Each participant attends four-two hour classes where they learn technology skills and how to apply them to enhance their classroom curriculum. The final two hours are comprised of the required project: an integrated lesson plan, an example of the student project

and an assessment tool. The goal of this instruction is to assist teachers in utilizing technology as an integrated part of the total curriculum.

New courses continue to be developed and implemented for current and emerging technologies. Mini-sessions are held throughout the academic year by the Instructional Technology Specialists based on specific requests from schools at their site. Summer Technology courses are offered at the Technology Integration Center during June and July through the use of technology-literate, certified staff from within the district.

Distance Learning Opportunities

Wayne County Public Schools maintains a subscription from InfSOURCE, Inc. for How to Master, a series of web-based training courses with centralized administration. All employees are given the opportunity to participate in training designed to meet their individual needs. Examples of use:

- Teacher assistants may take courses on Windows XP, Internet Explorer, Word, Excel, PowerPoint and Digital imaging to meet the hours of training required by the NCLB.
- All newly hired certified staff are required to take and pass courses on Windows XP and Internet Explorer 6.0 prior to utilizing NC WISE.
- Administrators have the option of taking courses that follow the NETS for Administrators guidelines.
- Teachers may take the ISTE endorsed course on IC3, and specially designed courses for integrating technology into the core curriculum.
- Wayne County Public Schools supports the use of this platform for certified employees to meet renewal credits for technology. Learners earn credit based on the

actual time it takes to complete each module with a passing post-test score of 70% or better at the completion of the module.

Certified staff are also encouraged to enroll in online training courses through various providers including LearnNC, Wayne Community College and area universities.

Train-the-Trainer Model

Wayne County Public Schools will continue to utilize the train the trainer model for staff development. This model ensures that beginning teachers, new teachers and existing employees have staff development opportunities for continued use of the programs listed below:

- NC WISE
- NC WISE OWL
- Marco Polo
- LearnNC
- CECAS
- SEA
- E-Procurement
- email
- How to Master
- Intranet

Individual schools and the LEA will continue to survey their staff and conduct onsite staff development, based on the employees needs. Trainers will submit a course outline, receive prior approval for all participants, and teach hands-on courses at their schools.

School Media and Technology Advisory Committees

Each school has a site-based media and technology advisory committee that guides in the use and selection of media and technology resources. It is the responsibility of this committee to update and revise the school technology plan. School-based MTAC meetings are required by the district a minimum of once every 9 weeks to encourage use of the IMPACT model. To better aid in the leadership of this committee, media coordinators were provided with 6 hours of training in the use of IMPACT in August of 2005.

Technology Conferences

Administrators, Technology Mentors, Media Coordinators and Elementary Technology Assistants are encouraged to attend technology conferences. It is important to provide opportunities that enable TEAMS members to stay abreast of emerging technologies and what is being utilized in other districts. By doing so, these members provide a valuable resource in making research-based decisions for technology spending and implementation at their individual school sites. Upon returning from conferences, attendees are expected to share and utilize knowledge learned.

Surveys

Wayne County Public Schools periodically surveys staff and administrators to identify their technology strengths and weaknesses based on the NETS for Teachers. Data from these surveys is compiled by the district level Instructional Technology Specialists and shared with the school-based Technology Mentor(s). Classes at the TIC and site-based training are developed using feedback from the surveys. Staff development is evaluated and improved through the use of follow-up surveys from participants. An online survey tool is used to create and administer custom surveys within the district.

EETT

Wayne County Public Schools utilized grant monies to implement the TEAMS concept. TEAMS is an acronym for Technology Education At My School and incorporates the following faculty or staff as members: Principal or Assistant Principal, Technology Mentor, Media Coordinator(s) and Elementary Technology Assistants. The primary responsibilities of these committees are staff development, mentoring and modeling, integration and updates of the School Technology plans. The district level Instructional Technology Specialists work with individual sites to facilitate the train-the-trainer model and support the program.

PIMS

Wayne County Public Schools is one of twelve eastern North Carolina school systems participating in the North Carolina Partnership for Mathematics and Science (NC-PIMS) grant. This grant is funded by the National Science Foundation and the US Department of Education. NC PIMS designated school systems partner with participating universities. The purpose of the grant is to provide high quality professional development for all K-12 teachers of mathematics. Participating school systems identify teachers who receive stipends, tuition, course materials and leadership training materials. These teachers in turn train all other teachers in participating school systems. Training includes the use of technology-based resources such as the TI graphing calculator.

Quality Teachers, Administrators and Staff: 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

Strategic Priority 3: Quality Teachers, Administrator and Staff							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Professional preparation aligned with state priorities <input type="checkbox"/> A system to develop, train and license a BK (birth-kindergarten) professional staff for public schools <input checked="" type="checkbox"/> A system to recruit, retain and compensate a diverse corps of quality teachers, administrators and staff <input checked="" type="checkbox"/> A system to ensure high performance of teachers, administrators and staff <input checked="" type="checkbox"/> A system of continuous learning and professional development to support high performance of all employees <input checked="" type="checkbox"/> High ethical and professional standards for all employees							
Objective 3.1 Identify and promote professional and/or licensure requirements that meet highly qualified, ethical and professional standards set by federal, state and local guidelines, in order to recruit and retain a diverse corps of quality teachers, administrators and staff.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
3.1.1 Require all certified employees to attain 3.0 technology renewal credits during each five year licensure cycle. (#4)	Human: <ul style="list-style-type: none"> • Staff Development Coordinator Materials: <ul style="list-style-type: none"> • Staff Development Program • How to Master Web-Based Training 	<ul style="list-style-type: none"> • Superintendent • Assistant Superintendent for Human Resources 	<ul style="list-style-type: none"> • Subscription for How to Master (yearly, \$22,000) 	<ul style="list-style-type: none"> • EETT Grant 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • License Renewal Process • Management Reports from How to Master on Participation 	<ul style="list-style-type: none"> • Annual (June) • Annual (June)

Strategic Priority 3: Quality Teachers, Administrator and Staff

- Strategic Goal: (Please check.)
- Professional preparation aligned with state priorities
 - A system to develop, train and license a BK (birth-kindergarten) professional staff for public schools
 - A system to recruit, retain and compensate a diverse corps of quality teachers, administrators and staff
 - A system to ensure high performance of teachers, administrators and staff
 - A system of continuous learning and professional development to support high performance of all employees
 - High ethical and professional standards for all employees

Objective 3.1 Identify and promote professional and/or licensure requirements that meet highly qualified, ethical and professional standards set by federal, state and local guidelines, in order to recruit and retain a diverse corps of quality teachers, administrators and staff.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>3.1.2 Provide training on copyright and Acceptable Use Policy (AUP) that promotes ethical use to all faculty and staff.</p> <p>(#5)</p>	<p>Human:</p> <ul style="list-style-type: none"> • Technology Facilitators • Media Coordinators • Teachers <p>Materials:</p> <ul style="list-style-type: none"> • Presentation • AUP 	<ul style="list-style-type: none"> • Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> • Copyright Materials (yearly, \$1200) 	<ul style="list-style-type: none"> • Local 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Signature of Compliance on AUP • Media Reports 	<ul style="list-style-type: none"> • Annual (August) • Every 9 wks

Strategic Priority 3: Quality Teachers, Administrator and Staff

Strategic Goal: (Please check.)

- Professional preparation aligned with state priorities
- A system to develop, train and license a BK (birth-kindergarten) professional staff for public schools
- A system to recruit, retain and compensate a diverse corps of quality teachers, administrators and staff
- A system to ensure high performance of teachers, administrators and staff
- A system of continuous learning and professional development to support high performance of all employees
- High ethical and professional standards for all employees

Objective 3.2 Develop and implement research driven, professional development based on ISTE’s standards while meeting all state and local requirements.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>3.2.1 Create and implement assessment tools and summative evaluation tools for professional development offered within the district for measuring teacher/staff skills and needs.</p> <p>(#1)</p>	<p>Human:</p> <ul style="list-style-type: none"> • District Level Instructional Technology Specialists <p>Materials:</p> <ul style="list-style-type: none"> • Applicable internet access, hardware and software 	<ul style="list-style-type: none"> • Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> • Subscription to Survey Tool (yearly, \$3,000) 	<ul style="list-style-type: none"> • State 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Survey Results • Individual School Tech Plans • Course Evaluations 	<ul style="list-style-type: none"> • Annual (June) • Annual (June)
<p>3.2.2 Offer a variety of staff development options that include state and national conferences, on-line courses, one-on-one instruction and system level training opportunities</p> <p>(Cont.)</p>	<p>Human:</p> <ul style="list-style-type: none"> • District Level Instructional Technology Specialists • Technology Facilitators • Elementary Technology 	<ul style="list-style-type: none"> • Associate Superintendent for Curriculum and Instruction • Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> • Internet Access (yearly <i>See 5.4.3</i>) • District Level Instructional Technology Specialist Salaries (yearly, \$180,000) 	<ul style="list-style-type: none"> • Local • State • Federal • E-Rate • EETT Grant 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Rosters for TIC course attendance • Participation reports from web-based training platform 	<ul style="list-style-type: none"> • Bi-Annual (Dec & June) • Every 9 weeks

Strategic Priority 3: Quality Teachers, Administrator and Staff

- Strategic Goal: (Please check.)
- Professional preparation aligned with state priorities
 - A system to develop, train and license a BK (birth-kindergarten) professional staff for public schools
 - A system to recruit, retain and compensate a diverse corps of quality teachers, administrators and staff
 - A system to ensure high performance of teachers, administrators and staff
 - A system of continuous learning and professional development to support high performance of all employees
 - High ethical and professional standards for all employees

Objective 3.2 Develop and implement research driven, professional development based on ISTE’s standards while meeting all state and local requirements.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<ul style="list-style-type: none"> • Courses will be offered on use and integration of technology through a district sponsored training facility • All employees will be offered the opportunity to participate in web-based training to acquire basic technology skills • Onsite (school level) Professional development on technology will be presented using the train-the-trainer method and be based on the needs of the school’s faculty and staff • Post information to the district website for other professional development opportunities such as eBistro, INTEL and Learn NC <p style="text-align: right;">(Cont.)</p>	<p>Assistants</p> <p>Materials:</p> <ul style="list-style-type: none"> • Applicable internet access, hardware and software • Staff Development 		<ul style="list-style-type: none"> • Technology Mentor Stipends (yearly \$42,032) • TIF Laptops (year 1, \$60,000) • Technology Mentor Software (year 1, \$6,000) • Technology Assistant Stipends (yearly \$7,384) • Supplies for TIC (yearly, \$4,500) • Conference, Workshops & Training (yearly \$150,000) 			<ul style="list-style-type: none"> • Reports from school trainers 	<ul style="list-style-type: none"> • Every 9 weeks

Strategic Priority 3: Quality Teachers, Administrator and Staff							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Professional preparation aligned with state priorities <input type="checkbox"/> A system to develop, train and license a BK (birth-kindergarten) professional staff for public schools <input type="checkbox"/> A system to recruit, retain and compensate a diverse corps of quality teachers, administrators and staff <input checked="" type="checkbox"/> A system to ensure high performance of teachers, administrators and staff <input checked="" type="checkbox"/> A system of continuous learning and professional development to support high performance of all employees <input checked="" type="checkbox"/> High ethical and professional standards for all employees							
Objective 3.2 Develop and implement research driven, professional development based on ISTE's standards while meeting all state and local requirements.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<ul style="list-style-type: none"> District sponsored technology training for staff and administration (#2)							
3.2.3 Provide follow-up support for technology professional development via: <ul style="list-style-type: none"> Email District web-site Site visits (#3)	Human: <ul style="list-style-type: none"> District Level Instructional Technology Specialists Materials: <ul style="list-style-type: none"> Applicable internet access, hardware and software 	<ul style="list-style-type: none"> Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> No Cost Associated 	<ul style="list-style-type: none"> No Cost Associated 	Begin <ul style="list-style-type: none"> 08/01/05 End <ul style="list-style-type: none"> 06/30/09 	<ul style="list-style-type: none"> Email Usage Reports School visit reports by Instructional Technology Specialists Surveys 	<ul style="list-style-type: none"> Annual (June) Every 9 weeks Bi-Annual (Dec. & June)

Strong Family, Community and Business Support: Current Situation Narrative

Communication Efforts

Wayne County Public Schools uses a variety of methods to communicate with staff, students, parents and community. Email accounts are provided to all staff members. Student email accounts are provided as needed according to course requirements. In addition, sixteen schools currently have telephones in the classrooms with voicemail capability. The Central Office has voicemail for all personnel.

Wayne County Public Schools' website provides a plethora of information to employees, students, parents and the community. Many resources are available such as forms, general district information, alerts, curricular web links and a computer skills practice test. A custom designed online registration system for professional development offers instant confirmation for participants. The district website also provides links to community agencies and organizations.

Each school in the district maintains its own website which is linked to the district website. The focus of the schools' sites is to promote curriculum and activities specific to their location. Teacher websites are promoted by the district through the use of scholastic.com and schoolnotes.com and are encouraged to be linked through their home school's website.

In 2004, the district subscribed to the Honeywell Instant Alert system. Parents and employees can elect to receive communications via voice, email, and/or pager. The Instant Alert system can deliver more than 20,000 messages in about 15 minutes. While the district uses the Instant Alert system to broadcast time-sensitive messages such as

inclement weather closings, it is also used by the schools to keep parents informed and to promote parental involvement.

Public/Community Relations/Resources Sharing

Wayne County Public Schools has TV production capabilities and currently provides original school programming that is aired on the local cable access channel. School Board meetings are televised within two days following the meeting. The Community/Public Relations department provides on-going information to local and state media outlets. A school news coordinator from each school provides video segments for use in school TV programming as well as information to be shared with the media.

Ten percent of Wayne County Public Schools students are military dependents associated with Seymour Johnson Air Force Base, located in Goldsboro. Wayne County Public Schools joined the Military Child Education Coalition in August, 2004. As a member of this coalition, the school district has developed an action plan in collaboration with Seymour Johnson staff to ensure effective transition policies for military students who are moving in and out of the school system. One product of this partnership is an Interactive Counseling Center (ICC) to be established at Eastern Wayne High School. When a student transfers out, the center removes the distance barrier by providing real-time, interactive video conferencing and data transfer with the receiving school.

Several agencies offer after-school opportunities for Wayne County Public Schools students. A Boys and Girls club facility is located in three areas of the county: Mt. Olive, Fremont, and Goldsboro. The school system provides transportation for students to these facilities as well as technology consultation services. Through a

partnership with the district, the local North Carolina Home Extension Agency (4-H) offers after-school programs in seven schools. Students receive extended learning opportunities including technology-based tutoring and/or enrichment during these after-school programs. Wayne County Public Schools, along with the Wayne County Public Library and Friends of the Library, co-sponsor a “Dial-A-Teacher” service that provides live teacher-student access for homework assistance.

Wayne County Public Schools has 10 school nurses that are employed through a cooperative program with Wayne Memorial Hospital. Computers and internet access are provided to the school nurses. In addition, 4 middle schools and 2 high schools have school-based WISH (Wayne Initiative for Student Health) Centers. The WISH centers are mini-clinics staffed by registered nurses, dietitians, mental health counselors and a medical director. WISH center funding comes from a variety of sources. The school system provides facilities and internet access for WISH centers. The WISH centers have received national recognition, including a \$10,000 award.

With the 2005-2006 school year, Wayne County Public Schools began the 12th year of its Partners in Education program. Currently over 130 agencies, businesses, organizations and/or churches serve as Partners in Education to the schools. These partners provide human and material resources, expertise and time to the schools. The Wayne County Chamber of Commerce provides numerous resources to support the school system including teacher mini-grants that can be used to enhance technology-based instruction.

Wayne County Public Schools and Wayne Community College have a strong articulation program. WCPS high school students have the opportunity to accelerate their

college course load by participating in the “Jumpstart” program that allows them to take college level courses on the WCC campus. Partner days between WCPS and WCC faculty are held during each school year.

Internet Access

Currently internet access and file access are not provided for anyone other than Wayne County Public Schools employees. This decision is based on system level security concerns. Changes may occur in the near future as several options are currently being explored.

Strong Family, Community and Business Support: Strategic Technology Plan

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

1. Email access (staff, students)
2. Public relations (use of local Broadcast Media)
3. School and teacher websites
4. Learning Centers
5. Partnerships
6. Teacher/staff and student internet and file access

Strategic Priority 4: Strong Family, Community and Business Support							
Strategic Goal: (Please check)							
<input checked="" type="checkbox"/> State education priorities responsive to the needs of the family, community and business customers							
<input checked="" type="checkbox"/> A comprehensive and aligned system of support for the academic success and general well-being of all children that promotes: meaningful involvement in schools, interagency collaboration for health nutrition, and social services through state and local partnerships							
<input type="checkbox"/> A system to build the capacity of local districts to create, respond to, and sustain meaningful partnerships							
Objective 4.1 Staff and students will use a variety of electronic resources for timely, effective and efficient communication and for sharing information							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
4.1.1 Implement email accounts and file sharing capabilities for students via Think.com • Offer staff development for participating teachers (#1 & #6)	Human: • Media Coordinators • Technology Coordinators • Teachers Materials: • Think.com website	• District Level Instructional Technology Specialists • Executive Director of PR/Media/Technology	• Staff Development <i>See 3.2.2</i>	• State	Begin • 08/01/05 End • 06/30/09	• Review of Usage Statistics	• Bi-Annual (Dec. & June)

Strategic Priority 4: Strong Family, Community and Business Support

Strategic Goal: (Please check)

- State education priorities responsive to the needs of the family, community and business customers
- A comprehensive and aligned system of support for the academic success and general well-being of all children that promotes: meaningful involvement in schools, interagency collaboration for health nutrition, and social services through state and local partnerships
- A system to build the capacity of local districts to create, respond to, and sustain meaningful partnerships

Objective 4.2 The community will be better informed about the school district in a timely and efficient manner.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>4.2.1 Increase the number of hours that school system programming is broadcast on local cable access channels.</p> <ul style="list-style-type: none"> • Investigate the implementation of podcasting (audio & video) <p>(#2)</p>	<p>Human:</p> <ul style="list-style-type: none"> • District Level Instructional Technology Specialists • Public Information Officer <p>Materials:</p> <ul style="list-style-type: none"> • Editing Equipment (Applicable Software and Hardware) • Cable Access • Subscription Services for podcasting 	<ul style="list-style-type: none"> • Executive Director of PR/Media/Technology • Director of Technology Support 	<ul style="list-style-type: none"> • Upgrades studio (yearly, \$5,000) • Subscription Services (year 2, \$1,500) 	<ul style="list-style-type: none"> • Local 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Production/Broadcast Hours Analysis 	<ul style="list-style-type: none"> • Bi-Annual (Dec. & June)
<p>4.2.2 Implement a Communications/Public Relations Committee for the school system.</p> <p>(#2)</p>	<p>Human:</p> <ul style="list-style-type: none"> • Public Information Officer <p>Materials:</p> <ul style="list-style-type: none"> • Publications (print/non-print) 	<ul style="list-style-type: none"> • Superintendent 	<ul style="list-style-type: none"> • Publication Costs (yearly, \$1000) 	<ul style="list-style-type: none"> • Local 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Meeting Agendas/Reports 	<ul style="list-style-type: none"> • Annual (June)

Strategic Priority 4: Strong Family, Community and Business Support

Strategic Goal: (Please check)

- State education priorities responsive to the needs of the family, community and business customers
- A comprehensive and aligned system of support for the academic success and general well-being of all children that promotes: meaningful involvement in schools, interagency collaboration for health nutrition, and social services through state and local partnerships
- A system to build the capacity of local districts to create, respond to, and sustain meaningful partnerships

Objective 4.3 Through strong community/family partnerships, all students will have an opportunity to experience success in meeting school/curriculum requirements.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>4.3.1 Continue to recruit agencies, businesses, and all types of organizations to serve as Partners in Education with schools.</p> <p style="text-align: right;">(#5)</p>	<p>Human:</p> <ul style="list-style-type: none"> • School PIE coordinators • Principals <p>Materials:</p> <ul style="list-style-type: none"> • Publications (print & non-print) 	<ul style="list-style-type: none"> • Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> • Printing Costs (yearly, \$2,000) 	<ul style="list-style-type: none"> • Local 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Annual PIE reports 	<ul style="list-style-type: none"> • Annual (June)
<p>4.3.2 Increase extended day learning opportunities by extending media center and computer lab hours.</p> <p style="text-align: right;">(#4)</p>	<p>Human:</p> <ul style="list-style-type: none"> • Program Facilitators <p>Materials:</p> <ul style="list-style-type: none"> • Applicable Hardware and Software 	<ul style="list-style-type: none"> • Associate Superintendent of Curriculum and Instruction • Executive Director of PR/ Media/ Technology 	<ul style="list-style-type: none"> • After-hour facilitator salaries (yearly, \$20,000) 	<ul style="list-style-type: none"> • Grants 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Usage Logs 	<ul style="list-style-type: none"> • Annual (June)

Effective and Efficient Operation: Current Situation Narrative

Instructional Technology Support Personnel

Wayne County Public Schools attempts to employ personnel in accordance with the IMPACT Guidelines. Media coordinators and assistants have been hired according to page 196 of the IMPACT guidelines, except for the two alternative schools which have media assistants in lieu of certified media coordinators. The position of Technology Facilitator in the schools remains unfunded by the state and therefore it is difficult to implement. In order to accommodate this need, the EETT grant has been used to pay stipends to classroom teachers who serve as Technology Mentors after school hours.

At the system level, Wayne County Public Schools provides an Executive Director of Information/Technology services who manages the media and instructional technology programs as well as the Community/Public Relations program. Under guidance of this director, three Instructional Technology Specialists (ITS) have been designated. Each ITS focuses on an area of importance in the school system. These areas include: media, website development, NC WISE staff training and support, elementary school liaison, middle/high school liaison, professional development, computer skills and integration.

Technical Support Personnel

Wayne County Public Schools' Technology Support department is supervised by the Assistant Superintendent in charge of Auxiliary Services, whose area of responsibility also includes telephones and security. The department is dedicated to the maintenance and repair of technology equipment, the computer networks from which resources are

provided and access to the internet. The following personnel are in place to provide technical support:

- *Wide Area Network (WAN) Technician* – One technician position is dedicated to monitoring and making adjustments to applications that are common throughout all the connections that compromise the district’s WAN. Duties include: monitoring the throughput and bandwidth of all of the frame relay circuits that currently serve our schools and administrative areas; prioritizing internet traffic via a packet-shaping device (Packeteer), that ensures higher priority for NC WISE and distance learning applications over normal HTTP internet connections; maintaining a combination firewall/web content filtering device (Sonic Wall) that is internal within the WAN; maintaining a dedicated firewall (BellSouth/ISS) that is external to the WAN, yet scans all internet traffic coming to and from BellSouth, our internet service provider; and monitors bandwidth using several software tools.
- *Local Area Network (LAN) Technician* – One technician position is dedicated to maintaining file servers that are located at each of the 31 schools and administrative areas as well as applications that reside on each LAN. This includes: upgrading and maintenance of Novell Netware operating system on each file server, maintenance of common instructional applications on each server such as Accelerated Reader, Accelerated Math, PLATO, etc., and monitoring DHCP connections on each router to ensure reliable IP address configuration for internet connectivity to each desktop.

- *Computer Hardware Technicians* – Four technician positions are dedicated to the repair and maintenance of the workstation hardware and the operating systems. When problems cannot be resolved at the school level, the repair request is submitted to the hardware technician assigned to each school.
- *Outsourced technology repair and maintenance:* No Wayne County Public Schools personnel are dedicated to maintenance and repair of computer monitors, printers, or audio-visual equipment used in the schools. However, various service vendors are contracted for pickup, repair and return of these items.

Federal, State and Local Budgets

Most schools receive federal Title I funding for purchasing technology to supplement their low-wealth/underprivileged student population. With the funds, schools purchase computer workstations and printers for classroom technology integration, as well as file servers that run network applications designed for Title I remediation purposes. Title I funds are also used to acquire take-home laptops with educational software for student use.

North Carolina PRC-15 funds supplement local funding for specific technology projects in the schools. Examples include widespread data wiring and other network infrastructure. State technology funds are also used to purchase file servers, WAN equipment, and desktop software licensing. State technology funds are used to support a variety of technology staff development efforts. State capital improvement funds are used to lease new computers to supplement the number of workstations in each classroom

and as a means of phasing out obsolete workstations that can no longer efficiently run instructional applications.

Local technology funds are used to pay for recurring expenses such as WAN frame relay circuits, webpage design and internet access related expenses. Parts for repair of servers and workstations are provided from these funds. Local funds also pay for contracted technology repairs and other expenses related to the Technology Support Department. Local funds are used to pay salaries for: elementary technology assistants, district-level Instructional Technology Specialists, technicians, distance learning facilitators, Plato lab managers, and the Director of Technology Support.

E-Rate reimbursements from the USAC, School and Libraries division fund eligible products and services. Eligible items that have been reimbursed in the past funding years include local and long distance telephone service, internet access to the wide area network and the circuits to remote locations that comprise the WAN and additional and upgraded data wiring to schools with a 90% level of participation in the Free and Reduced Lunch Program. The e-Rate applications that are under review in the 2005-06 school year include these same services, as well as an application to help fund equipment that would deliver distance learning applications to the high schools. Reimbursements that are awarded to the district from e-Rate applications are used to supplement technology funding in the current budget year.

Network Environment Security

The network environment at Wayne County Public Schools is secure for student use, utilizing a multi-layer security approach. The district is compliant with the Children's Internet Protection Act (CIPA) with centralized filtering of inappropriate web content in the classrooms and administrative areas with a SonicWall firewall. An additional firewall maintained by BellSouth/ISS is employed to protect the entire district from virus and Trojan horse attacks from outside the Wide Area Network. Email messages are routinely scanned for viruses and spam with software that resides on the district's internal email server. Virus protection is maintained with virus protection software on each workstation that automatically updates virus definitions from a local server installed in each local area network.

Policies Regarding Appropriate Internet Use

Wayne County Public Schools enforces appropriate use of the internet for every internet user, whether it is a student, faculty member or administrator. An Acceptable Use Policy has been approved by the Wayne County Board of Education and is required to be signed and agreed upon on a contract basis for each employee that accesses the internet. The policy carries consequences for intentional inappropriate use of the internet and other network resources.

Network Usage

Wayne County Public Schools has a Wide Area Network that is comprised of over 30 remote local area networks to facilitate network and internet access. The current committed bandwidth and speed of all WAN connection is a rate of T-1 speeds (1.55 megabit/second) to all six high schools and the district central office. Elementary and middle schools currently have a committed bandwidth rate of 512 kilobits/second. The aggregate internet access connection to the Internet Service Provider is currently 15 megabytes/second.

The district prioritizes applications with a packet-shaping appliance (Packeteer) that gives the highest priority to NC WISE, a district-web application that is required for student data administration. There is also great demand for bandwidth for other web applications, such as distance learning (Virtual High School and USDLC), research resources (NC WiseOwl and SIRS), access to the district's centralized email server, and other network applications.

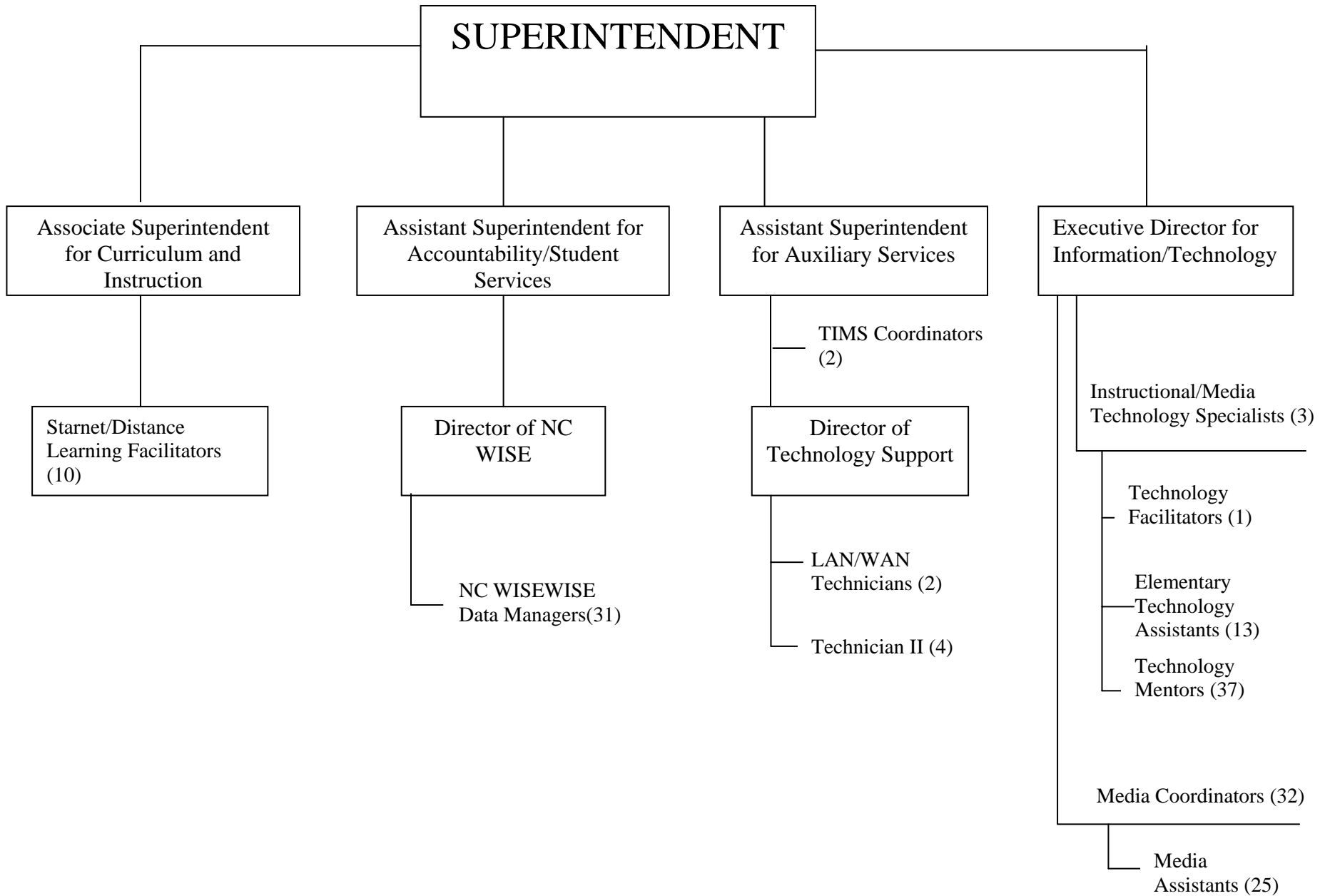
In order to handle the growing demand for web resources, the district plans to perform a significant bandwidth and speed upgrade to its networks. Each school and administrative area will have a 10 megabits/second certified connection to the internet (increased from the 512 kps and 1.55 mbps speeds described in the above current situation). The aggregate certified internet access connection to the internet service provider will be tripled to 45 megabytes/second. All circuits can burst to 1 gigabits/second depending on bandwidth needs at any given moment.

Computer Hardware Plan

The district has employed multiple strategies to reach certain hardware and operating system levels that enable users to have sufficient access to instructional and research applications, whether they be located on the computer hard drive, local area network or the internet. Specific computer and printer manufacturers and models are recommended in the classrooms so hardware is standardized. Standardization is useful in determining hardware support and providing economy in volume pricing. Schools and administrative areas are encouraged to purchase recommended hardware with eligible funds, whether they come from federal Title I budgets, state technology monies or local sources.

Additionally, the central office leases standardized hardware for all schools on a regular basis. The number of leased computers depends on available funds at the time of each lease. The lease terms are scheduled on a rotating basis, so new computer hardware can regularly refresh and replace aging equipment. Leased computers are deployed to schools based on identified curriculum and instructional needs.

Technology Support has established a primary level of workstation support so that obsolete equipment is “rotated out” of service to ensure schools have at least the basic hardware needed for computer-based instruction in the classroom. As old equipment is phased out, newer and faster equipment is phased in for direct replacement and to add to the overall school computer inventory.



Effective and Efficient Operation: 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

Strategic Priority 5: Effective and Efficient Operations							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Components of the education system aligned to achieve high performance							
<input type="checkbox"/> Decision making authority and control at the most appropriate level closest to the classroom							
<input type="checkbox"/> Information and accountability systems capable of reporting strategic and operational results							
<input checked="" type="checkbox"/> A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement							
Objective 5.1 Budgeting will realistically encompass all program areas and utilize all funding sources in an effort to provide unified implementation of the Technology Plan.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
5.1.1 Maintain positions and hire instructional technology personnel in accordance with IMPACT guidelines. <ul style="list-style-type: none"> • Incrementally add a Certified Technology Facilitator in each school with a priority of schools having an eighth grade <i>(con't)</i>	Human: <ul style="list-style-type: none"> • Related Certified Technology Positions Materials <ul style="list-style-type: none"> • Funding 	<ul style="list-style-type: none"> • Superintendent • Board of Education • Assistant Superintendent of Finance 	<ul style="list-style-type: none"> • According to State Salary Schedule (yearly, <i>dependent upon legislature</i>) 	<ul style="list-style-type: none"> • New State Lottery LEA Allotments • Local • State • EETT grant 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Staffing Needs Survey via AMTR Data • Legislative Action 	<ul style="list-style-type: none"> • Annually (June)

Strategic Priority 5: Effective and Efficient Operations							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Components of the education system aligned to achieve high performance <input type="checkbox"/> Decision making authority and control at the most appropriate level closest to the classroom <input type="checkbox"/> Information and accountability systems capable of reporting strategic and operational results <input checked="" type="checkbox"/> A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement							
Objective 5.1 Budgeting will realistically encompass all program areas and utilize all funding sources in an effort to provide unified implementation of the Technology Plan.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<ul style="list-style-type: none"> Incrementally add Technology Support Technicians until reaching the state's goal of 1 per 1,000 students. Maintain current technology support, instructional and administrative positions. Add a district level webmaster (#3)							
5.1.3 Hire a full-time grant writer to identify and secure a variety of funding resources to fully implement the technology plan. (#2 & #3)	Human <ul style="list-style-type: none"> Grant Writer Materials Funding 	<ul style="list-style-type: none"> Superintendent Board of Education 	<ul style="list-style-type: none"> Grant Writer Salary (yearly, based upon grant/awards) 	<ul style="list-style-type: none"> Grants 	Begin <ul style="list-style-type: none"> 08/01/06 End <ul style="list-style-type: none"> 06/30/09 	<ul style="list-style-type: none"> System Wide Personnel Report Review Funding Resources 	<ul style="list-style-type: none"> Annual (June)

Strategic Priority 5: Effective and Efficient Operations

Strategic Goal: (Please check.)
 Components of the education system aligned to achieve high performance
 Decision making authority and control at the most appropriate level closest to the classroom
 Information and accountability systems capable of reporting strategic and operational results
 A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement

Objective 5.1 Budgeting will realistically encompass all program areas and utilize all funding sources in an effort to provide unified implementation of the Technology Plan.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
5.1.4 Create and implement a procedure to assess technology purchases to ensure system compliance, viability and need. (#2)	Human • Executive Director of PR/ Media/ Technology • Assistant Superintendent of Auxiliary Services Materials • Funding	• Assistant Superintendent of Finance	• <i>No Cost Associated</i>	• <i>No Cost Associated</i>	Begin • 08/01/05 End • 06/30/09	• Procedure Implementation	• Annual (June)

Strategic Priority 5: Effective and Efficient Operations

Strategic Goal: (Please check.)

- Components of the education system aligned to achieve high performance
- Decision making authority and control at the most appropriate level closest to the classroom
- Information and accountability systems capable of reporting strategic and operational results
- A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement

Objective 5.2 Establish and maintain standards, policies and guidelines for media and technology programs to ensure a secure technological environment for Wayne County Public Schools.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>5.2.1 Maintain and enforce standards, policies and guidelines for media and technology programs, including infrastructure.</p> <p>(#1)</p>	<p>Human</p> <ul style="list-style-type: none"> • Executive Director of PR/ Media/ Technology • Director of Technology Support <p>Materials</p> <ul style="list-style-type: none"> • Subscription to North Carolina School Board Association 	<ul style="list-style-type: none"> • Superintendent • Board of Education 	<ul style="list-style-type: none"> • Subscription (yearly, \$400) 	<ul style="list-style-type: none"> • Local 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Review of Policies, Standards and Guidelines • Review of Legislative Requirements 	<ul style="list-style-type: none"> • Annual (June)

Strategic Priority 5: Effective and Efficient Operations							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Components of the education system aligned to achieve high performance							
<input checked="" type="checkbox"/> Decision making authority and control at the most appropriate level closest to the classroom							
<input type="checkbox"/> Information and accountability systems capable of reporting strategic and operational results							
<input checked="" type="checkbox"/> A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement							
Objective 5.2 Establish and maintain standards, policies and guidelines for media and technology programs to ensure a secure technological environment for Wayne County Public Schools.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
5.2.2 Provide proactive security policies that meet the needs of local, state and federal regulations such as CIPA, FERPA and HIPPA. (#1 & #4)	Human • Director of Technology Support • Executive Director of PR/ Media/ Technology Materials • Subscription to North Carolina School Board Association	• Superintendent • Board of Education	• Subscription (yearly, <i>See 5.2.1</i>)	• <i>See 5.2.1</i>	Begin • 08/01/05 End • 06/30/09	• Review of Policies, Standards and Guidelines • Review of Legislative Requirements	• Annual (June)

Strategic Priority 5: Effective and Efficient Operations

Strategic Goal: (Please check.)

- Components of the education system aligned to achieve high performance
- Decision making authority and control at the most appropriate level closest to the classroom
- Information and accountability systems capable of reporting strategic and operational results
- A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement

Objective 5.3 Administrative applications will be used to maintain effective and efficient operations.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>5.3.1 Continue ongoing professional development to ensure appropriate and effective use of administrative applications:</p> <ul style="list-style-type: none"> • NC WISE • CECAS • HMRS • E-Procurement • TIMS <p>(#5)</p>	<p>Human</p> <ul style="list-style-type: none"> • Training Specialists <p>Materials</p> <ul style="list-style-type: none"> • Applicable internet access, hardware and software • Staff Development 	<ul style="list-style-type: none"> • Superintendent or Designee 	<ul style="list-style-type: none"> • Conferences, Workshops & Training (yearly, \$25,000) 	<ul style="list-style-type: none"> • Local • State 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Professional Development Course Schedules and Attendance Sheets 	<ul style="list-style-type: none"> • Annual (June)
<p>5.3.2 Utilize the data collected by administrative applications to address NCLB needs within Wayne County Public Schools.</p> <p>(#5)</p>	<p>Human</p> <ul style="list-style-type: none"> • Assistant Superintendent for Student Testing and Accountable <p>Materials</p> <ul style="list-style-type: none"> • Principals • Reports form Administrative Applications 	<ul style="list-style-type: none"> • Superintendent 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	<ul style="list-style-type: none"> • <i>No Cost Associated</i> 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • End Cumulative Report • Student Performance Results 	<ul style="list-style-type: none"> • Annual (June)

Strategic Priority 5: Effective and Efficient Operations

Strategic Goal: (Please check.)
 Components of the education system aligned to achieve high performance
 Decision making authority and control at the most appropriate level closest to the classroom
 Information and accountability systems capable of reporting strategic and operational results
 A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement

Objective 5.3 Administrative applications will be used to maintain effective and efficient operations.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
5.3.3 Efficiently archive district records, print and non-print. (#5)	Human <ul style="list-style-type: none"> Director of Technology Support Materials Applicable internet access, hardware and software 	<ul style="list-style-type: none"> Superintendent Assistant Superintendent of Auxiliary Resources 	<ul style="list-style-type: none"> Hardware & Software (year 3, \$30,000) 	<ul style="list-style-type: none"> Local 	Begin <ul style="list-style-type: none"> 08/01/07 End <ul style="list-style-type: none"> 06/30/09 	<ul style="list-style-type: none"> Implementation of Software and Hardware 	<ul style="list-style-type: none"> Annual (June)

Strategic Priority 5: Effective and Efficient Operations

Strategic Goal: (Please check.)

- Components of the education system aligned to achieve high performance
- Decision making authority and control at the most appropriate level closest to the classroom
- Information and accountability systems capable of reporting strategic and operational results
- A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement

Objective 5.4 Implement more effective and efficient hardware, software and infrastructure to technologically support Wayne County Public Schools needs.

Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
<p>5.4.1 Upgrade and manage hardware and software for infrastructure in order to ensure effective and efficient operations.</p> <p>(#6 & #7)</p>	<p>Human</p> <ul style="list-style-type: none"> • Contracted Enhanced Managed Router Services • Director of Technology Support <p>Materials</p> <ul style="list-style-type: none"> • Routers • Switches • Servers • Packeteer • SonicWall • Email Server • Novell Software • Antivirus • Spam manager software • All other applicable software and hardware • Staff Development 	<ul style="list-style-type: none"> • Assistant Superintendent of Auxiliary Services 	<ul style="list-style-type: none"> • Software (yearly, \$40,000: year 2, \$200,000) • Hardware (yearly, \$117,000) • Conferences, Workshops & Training (yearly, \$6,000) 	<ul style="list-style-type: none"> • Local • State • E-Rate 	<p>Begin</p> <ul style="list-style-type: none"> • 08/01/05 <p>End</p> <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Administrative Reports • Purchase Orders 	<ul style="list-style-type: none"> • Annual (June)

Strategic Priority 5: Effective and Efficient Operations							
Strategic Goal: (Please check.)							
<input checked="" type="checkbox"/> Components of the education system aligned to achieve high performance							
<input checked="" type="checkbox"/> Decision making authority and control at the most appropriate level closest to the classroom							
<input checked="" type="checkbox"/> Information and accountability systems capable of reporting strategic and operational results							
<input type="checkbox"/> A funding system that provides adequate and aligned financial and personnel resources to maximize educational achievement							
Objective 5.4 Implement more effective and efficient hardware, software and infrastructure to technologically support Wayne County Public Schools needs.							
Strategy	Resources Needed (Human & Material)	Person(s) Responsible	Budget Needs	Funding Sources	Time-line (Proposed Beginning & Ending dates)	Method of Evaluation	Schedule for Data Collection
5.4.2 Continue to lease computer workstations for administrative and instructional use. Including but not limited to: <ul style="list-style-type: none"> • Providing academic computer labs in every middle school • Updating elementary computer labs (#6)	Human <ul style="list-style-type: none"> • Director of Technology Support Materials <ul style="list-style-type: none"> • Leases • Hardware evaluations 	<ul style="list-style-type: none"> • Assistant Superintendent of Auxiliary Services • Superintendent • Board of Education 	<ul style="list-style-type: none"> • Computer Lease Funds (yearly, \$750,000) 	<ul style="list-style-type: none"> • Local • State 	Begin <ul style="list-style-type: none"> • 08/01/05 End <ul style="list-style-type: none"> • 06/30/09 	<ul style="list-style-type: none"> • Annual Leases 	<ul style="list-style-type: none"> • Annual (June)
5.4.3 Increase committed bandwidth to meet the infrastructure needs of Wayne County Public Schools. (#7)	Human <ul style="list-style-type: none"> • Director of Technology Support Materials <ul style="list-style-type: none"> • Bandwidth 	<ul style="list-style-type: none"> • Assistant Superintendent of Auxiliary Services • Superintendent • Board of Education 	<ul style="list-style-type: none"> • Contract for Services (yearly, \$495,000) 	<ul style="list-style-type: none"> • Local • State • E-Rate 	Begin <ul style="list-style-type: none"> • 03/01/06 End <ul style="list-style-type: none"> • 06/30/09 (per service provider contract)	<ul style="list-style-type: none"> • Annual Contract 	<ul style="list-style-type: none"> • Annual (June)

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In compliance with federal laws, Wayne County 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. Craig McFadden, Title IX Coordinator (Sex Discrimination)
Dr. Ralph Smith, Section 504/Handicapped Coordinator
Mr. Edward Cromartie, Title VI (Race/National Origin Discrimination)

Wayne County Public Schools

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