



Lakeshore Middle School Technology Plan
2005 - 2009

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

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

High Student Performance

1. Mathematics/reading scores improvement
2. Classroom use of student resources
3. IMPACT model implementation
4. Computer Skills Test score improvement
5. Computer Skills Curriculum implementation
6. Information Skills Curriculum implementation
7. Technology integration across the curriculum
8. Student distance learning opportunities
9. Assistive technology availability

Healthy Students in Safe, Orderly and Caring Schools

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)

Quality Teachers Administrators and Staff

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

Strong Family, Community and Business Support

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

Effective and Efficient Operations

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

Public Schools of North Carolina
State Board of Education
Howard Lee, Chairman
Superintendent

North Carolina Instructional Technology Plan
Department of Public Instruction
Patricia Willoughby, State

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.

Lakeshore Middle School
Technology Committee Members

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

Name	Title or Group Represented	Signature	Date
James Gaghan, Principal		_____	
Julie Stikeleather, Assistant Principal		_____	
Teresa Stevens, Lead Teacher		_____	
Barbara Pope, Computer Teacher / Technology		_____	
Joan Milliken, Library Media Coordinator		_____	
Sherry Cash, Physical Education Teacher		_____	
Jeanette Koch, Exceptional Children Teacher		_____	
Stacy Wozny, 8 th Grade		_____	
Julie Senecal, 7 th Grade		_____	
Allison Kiser, 6 th Grade		_____	

VISION

The North Carolina Department of Public Instruction has adopted *The North Carolina Educational Technology Plan, 2005-2009*, to reflect North Carolina's Strategic Plan for Excellent Schools, The ABCs Plus. Governor James B. Hunt's goal was to have every school in North Carolina First in America by 2010. Iredell's Goal is to be First by 2007.

The Iredell-Statesville School's 2005-2009 Technology Plan will support and enhance NCDPI's Technology Plan and its mission of high student performance; healthy students in safe, orderly, and caring schools; quality teachers, administrators, and staff; strong family, community, and business support; and effective and efficient operation.

The Lakeshore Middle School's 2005-2009 Technology Plan will support and enhance Iredell-Statesville Schools 2005 – 2009 Technology Plan and its mission of high student performance; healthy students in safe, orderly, and caring schools; quality teachers, administrators, and staff; strong family, community, and business support; and effective and efficient operation.

**Lakeshore Middle School
High Student Performance
Current Situation Narrative**

Lakeshore Middle School will strive to maximize technology to positively impact student achievement. We recognize technology is about student learning and instructional improvement connected to standards and use it as a tool for differentiation to provide individualized learning to meet the diversity in our classrooms. Teachers and Administrators use technology tools to collect, organize, analyze, disaggregate, and report on student achievement data. This offers an opportunity to make data driven decisions aligned with curriculum and instruction.

Lakeshore Middle school's network has been enhanced by the addition of a wireless area network which will benefit instruction by creating opportunities for videoconferencing, videostreaming, e-learning, and interactive learning. Lakeshore Middle School has Internet access in 100% of our classrooms. Our current ratio of students to Internet connected computer is 4.5

Our Library Media Coordinator, Technology Coordinator and Academic Computer Labs provide flexible and equitable access to information, media, and technology resources and assist teachers with integrating technology rather than making it a separate subject. Digital Resources such as: LEARN NC, NCWiseOwl, SAS in Schools, and the Computer and Information Skills Curriculum are utilized by students and teachers to support learning. Technology integration is promoted at the curriculum development stage through the use of pacing guides. System wide pacing guides are posted online for content areas and contain technology tools and resources to support learning and best practices.

Various software programs support differentiated instruction: Orchard, Accelerated Reader, Read 180, Scholastic Reading Inventory, Study Island, Ellis software for English language learners, and Virtual High School Programs. These programs are research based and have proven to be successful in addressing high student performance.

Lakeshore Middle School recognizes the importance of a systemic process for data analysis in regards to supporting continuous school improvement at the school and student level. With the 2005 deployment of NC WISE, Lakeshore Middle is committed to using student performance data to support decision making. Predictive Assessments will be administered with scores disaggregated by subgroups for NCLB. Lakeshore Middle School will have access to an Iredell-Statesville Schools System data warehouse to help us efficiently organize and analyze school and student performance data that is generated annually.

Innovative delivery of rigorous online courses is available through our Virtual High School and a partnership with LEARN NC. Students are afforded an opportunity to take Accelerated courses under the guidance of an on-site facilitator. Networked learning environments support student learning with the use of computer technologies. The relationship between technology and student performance is supported through technology use, curriculum

standards, and assessments. We will continue to strive to be a high performing school where technology supports student achievement.

Strategic Priority I: High Student Performance

District Objective: 100% of schools will meet ABC Growth Targets

District Indicator: NC Writing Test

School Objective: To increase the percent of students who will pass the NC Writing Test from 58% to 61%.

School Indicator(s): NC Writing Test

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Implement writing across the curriculum	School Year	Staff Development in writing for 6-8 grades Staff Development in county developed writing rubric	Teresa Stevens	Analysis of district writing prompt State Writing Test

Strategic Priority I: High Student Performance

District Objective: 100% of schools will meet ABC Growth Target

District Indicator: Reading EOG

School Objective: To increase the number of Level III Readers to Level IV Readers from 59% to 62%

School Indicator(s): Reading EOG

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Implement question stems in the 4 categories across the curriculum	School Year	Predictive Assessments Posters of 4 categories	Carrie Tulbert	Predictive Assessment data EOG data

Lakeshore Middle School
Healthy Students in Safe, Orderly and Caring Schools
Current Situation Narrative

A combination of technology and human intervention is required to provide healthy, safe, orderly, and caring environments for our students, parents, volunteers, and staff. Iredell-Statesville Schools use a variety of technology and programs to ensure this goal is met including hand-held metal detectors, buses equipped with video cameras, GPS devices, surveillance systems to monitor our school, bus parking lot, and telephones, intercoms, radios, cell phones, and Internet /email filtering software. Connect-Ed, our outbound telephone communication tool, is utilized to quickly broadcast emergency communication information to students, parents, and staff to ensure safe education facilities supporting high student performance. Our Transportation Department utilizes TIMS, the Transportation Information Management System software, for bus routing and school planning to enhance the safety of our students. Our Child Nutrition Department utilizes Meals Plus by Education Management Systems, a complete system designed for today's school cafeterias encompassing point of sales, inventory, and student eligibility for free and reduced lunch. It provides direct certification by incorporating free and reduced students into student eligibility using Department of Social Services information and student information from our Information Management Systems Department. Nutrikids, additional school food service operations software, is also used for nutrient analysis and to expedite menu planning. NCWISE, North Carolina Windows of Information on Student Education, is fully implemented with immediate access to student information supporting federal and state reporting requirements associated with No Child Left Behind, ABCs Accountability, School Report Card, and Closing the Gap. Student discipline data and reports can be quickly viewed and disaggregated.

Our Character Education program, D.A.R.E. and Student Assistance program provide guidance and intervention while supporting our strategic priority of "Schools free of controlled and illegal substances and harmful behavior." Lakeshore Middle School physical education teachers will implement the Fitness Gram program this year which assesses the fitness and activity levels of students, identifies ways to improve fitness and health, and helps students learn to enjoy regular physical activity. Fitness Gram will assess fitness performance for Lakeshore Middle School students. Recognizing good health and positive self esteem often determines the future success of children and young adults, Lakeshore Middle School is committed to investing in the health and well being of our students to ensure future success.

Strategic Priority II: Healthy, Safe, Orderly & Caring Schools

District Objective: Stakeholder satisfaction ratings for Healthy, Safe, Orderly and Caring Schools composite will exceed 85%

District Indicator: Stakeholder Satisfaction Survey

School Objective: The faculty's rating of school having clear rules with consequences will improve from 44% to 87%.

School Indicator(s): Stakeholder Satisfaction Survey

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Implement revised Discipline plan to ensure consistency throughout the school	Aug. 2005 (on going)	Student Handbook Office Referral forms	Gaghan Stikeleather	Staff satisfaction survey

Lakeshore Middle School
Quality Teachers, Administrators and Staff
Current Situation Narrative

Quality teachers, administrators and staff have been an ongoing commitment of the Lakeshore Middle School. Under the leadership of a Principal, Assistant Principal and School Improvement Team a system for evaluating and assessing professional staff development is utilized. The SEA system assists with registration, evaluation, and reimbursements for all professional staff development. In 2005 Lakeshore Middle School added a Lead Teacher position to assist with instructional planning and analyzing and disaggregating data from state and local assessments.

Lakeshore Middle School utilizes train the trainer. Teachers and Media Coordinators have been trained on integrating NCWise Owl, and SAS in Schools Curriculum Pathways. Our district has invited individuals from the Department of Public Instruction to provide staff development for our Media Coordinator including Dan Sparlin with NCWISEOwl and Melanie Honeycutt, regional Instructional Technology contact for the western region.

Lakeshore Middle School recommends that all teachers and staff fully integrate technology into the curriculum – not teach technology in isolation. the goal of the school level train the trainer is to provide a minimum of six hours of integration and the system level instructional technology coordinator assigned to Lakeshore Middle provides additional staff development in the districts computer lab or in the school’s computer lab on NCWISE, SEA, and GroupWise email.

Lakeshore Middle School
Strong Family, Community and Business Support
Current Situation Narrative

Technology is the most timely and efficient instrument for communication with families and the community. E-mail, classroom intercom systems, and electronic resources assist with promoting adult participation in student education.

Lakeshore Middle School utilizes GroupWise Client and GroupWise Web Access email to communicate with staff, families, the community, and business. An Intranet messenger component of GroupWise facilitates quick, direct communication among Intranet users. School and community events are publicized with an online community bulletin board maintained by our Community Schools/Communications Department and a school web page maintained by our Library Media Coordinator. Connect-Ed, an outbound communication tool is used to reach parents, faculty, and staff in a matter of minutes. School and central office administrators deliver messages through Connect-Ed, track progress toward communication goals and monitor monthly usage with the private suite of reporting tools. Community Outreach messages are broadcast on a regular basis to foster relationships with families. Lakeshore Middle School administrators utilize attendance notification messages to reinforce accountability and increase student achievement. Parents participate in single surveys to provide feedback to school and district administrators. Emergency communication messages are broadcast by our central office to quickly alert parents to emergency information.

In an effort to promote strong family, community, and business support, Lakeshore Middle School continues to seek and sustain meaningful partnerships. We strive to increase our Golden Opportunity Partners every year.

Strategic Priority IV: Strong Family, Community, and Business Support

District Objective: The number of volunteer hours will increase by 5%.

District Indicator: Number of volunteer hours logged at each school.

School Objective: The number of volunteer hours will increase by 5%.

School Indicator(s): Number of logged volunteer hours at LMS.

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Develop a systematic process for accurately documenting volunteer hours.	2005-2006	Sign-in sheets Terri Stevens	Team leaders, Stikeleather	Quarterly reports on volunteers in schools, flow chart of process
Align use of volunteers to our school goals and determine process for engaging more volunteers at LMS.	2005-2006	Newsletters, Connect Ed, PTSO, School events, Volunteer Coordinator	Stikeleather	Quarterly reports of new volunteers, Volunteer hours/tasks aligned to school goals, Documentation of developed process (flow chart) to engage more volunteers

Strategic Priority IV: Strong Family, Community, and Business Support

District Objective: The number of business, church and/or community partnerships will increase to 105 (3 per school).

District Indicator: Number of partnerships at each school

School Objective: Establish or maintain 3 partnerships

School Indicator(s): Number of Golden Opportunities partners at Mid-Year and Year-End Reports

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Secure 2 new partnerships	2005-2006	Area businesses, churches and organizations	Darling Wright Priority 4 team	Golden Opportunities contract signed
Maintain current partnership with Saussy Burbank	2005-2006	Area businesses, churches and organizations	Darling, Priority 4 team	Golden Opportunities contract signed

Strategic Priority IV: Strong Family, Community, and Business Support

District Objective: The percentage of parent/guardian participation in school related conferences will increase by 5%.

District Indicator: % of parents participating in conferences

School Objective: The percentage of parent/guardian participation in school conferences will increase by 5%

School Indicator(s): % of Parents participating in conferences

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Clearly communicate the operation definition of “conference” for parents, students and teachers	2005-2006	Conference log sheets from teachers, Priority 4 Committee, Gaghan, Team leaders	Stikeleather	Twice a year compare the number of conferences with the number of students, climate survey, documentation of operational definition being shared with stakeholders
Set goals for number of conferences per 9-week period.	2005-2006	Conference log sheets from teachers, Team leaders, Gaghan	Stikeleather	Compare number of conferences held with goal, Chart numbers

Lakeshore Middle School
Effective and Efficient Operation
Current Situation Narrative

Technology is an infrastructure of cabling, hardware, and personnel that supports teachers and administrators as they strive to provide quality learning environments and activities for all students. We recognize the benefits of a technology-rich-environment that leads to high student performance and more effective time management of staff. 100% of our classrooms have Internet access and our ratio of students to instructional computer is 4.5. Our Media Center is fully automated with networked computers for student use, a circulation station, and work station for media personnel. As new hardware and software are purchased, Lakeshore Middle School follows the Iredell-Statesville Schools equipment and software standards.

Standards have been established for connectivity and infrastructure for telecommunications. We maintain WAN connectivity suitable for simultaneous administrative applications. Lakeshore Middle School has been upgraded to a bandwidth of 100Mbps. Lakeshore Middle School strives to provide a variety of hardware that meets state technical standards and supports the instructional program including assistive/adaptive resources for special needs population.

Policies, procedures, and guidelines for operating and maintaining the technology infrastructure are in place, reviewed, and revised as necessary. Security is maintained on both our local and wide area network with firewalls, virus protection and filtering software.

Strategic Priority V: Effective and Efficient Operations

District Objective: ISS will implement the national model for performance excellence to ensure alignment and integration of all components of the school system to achieve high performance. ISS will improve the school system performance on Systems Check Level III by 5% from August, 2004 to July, 2005.

District Indicator: Systems Check Level III

School Objective: Implement Models for Performance Excellence to ensure alignment and integration of all components of the school to achieve high performance improving by 5% on System Check Level III.

School Indicator(s): Systems Check Level III

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Teachers and Staff will revisit our school mission statement	1st quarter	ISS Mission Statement	All Staff	Observation Consensogram
Conduct mid-year review of school improvement plan (SWAT)	End of 1st semester	LMS School Improvement Plan Systems Check Level III	All Staff	Systems Check Level III
Conduct end-of-year review of school improvement plan (SWAT)	May	LMS School Improvement Plan Systems Check Level III	All Staff	Systems Check Level III
Model Performance Excellence tools in classrooms	2005-2006 School Year	Staff Development in “Baldrige a Practical Way of Getting Better”	Administration Baldrige Trainer Lead Teacher	SEA System

Teachers will create classroom mission statements with each period/class	1st month	School mission statement, paper	Teachers	Observation/ Statements posted in classrooms, Consensogram
Teachers will use “Performance Excellence Tools” in classrooms	School Year	Staff development in tools	Teachers	Observation/ Issue Bins, Data displays, Consensograms

Strategic Priority I: High Student Performance

District Objective: 100% of schools will meet Adequate Yearly Progress.

District Indicator: EOG's

School Objective: 100% of students will meet Adequate Yearly Progress.

School Indicator(s): EOG scores and AYP Subgroups

Action Steps	Timeline	Resources	Persons Responsible	Evaluation
Identify students that fall into more than one subgroup	1st Quarter	EOG Scores Free/Reduced Lunch Info Ethnicity NC Wise	Counselor Kiselick Classroom Teachers	Individual Student work, Lexile Scores Predictive Assessments
During and After school tutoring with focus on students with identified areas of weakness on Predictive Assessments	Quarterly	Test Scores, Individual classroom assessments Predictive Assessments	Gaghan	Individual classroom achievement, Predictive Assessment Track Attendance of targeted students