

Genesee Intermediate School District

**Three-Year
Technology**

Plan

July 2011 – June 2014



Lisa A. Hagel, Superintendent

**Beverly Knox-Pipes, Assistant Superintendent, Technology and
Media Services**

2413 West Maple Avenue

Flint, Michigan 48507

(810) 591-4400

<http://www.geneseeisd.org>

Acknowledgements

Plan Development Group

Lisa A. Hagel, Superintendent
Michael R. Moorman, Deputy Superintendent
Mary Behm, Assistant Superintendent, Education & Learning
Jan D. Russell, Assistant Superintendent, Special Services
Beverly A. Knox-Pipes, Assistant Superintendent, Technology and Media Services
Cynthia A. McCain, Assistant Superintendent, Business Services
Matthew Stark, Technical Services Manager
Sue Gilliam, Information System Manager
Martin Jennings, Instructional Technologist

Genesee Intermediate School District Board Members

Lawrence P. Ford, President
Jerry G. Ragsdale, Vice President
Paul D. Newman, Secretary
Cindy A. Gansen, Treasurer
Dale A. Green, Trustee

The following report is submitted as a living document in process subject to committee evaluation and update throughout the following three-year period, including budget and/or other elements.

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Introduction

About GISD

Genesee Intermediate School District (GISD) is a premier regional educational service agency. It is our mission to provide leadership that links learners to public schools, the community, private sector and public agencies in order to improve education and enhance lifelong learning for all citizens.

GISD regionally serves over 81,000 students and more than 10,000 educators. Our primary service area encompasses the twenty-one (21) school districts in Genesee County, plus ten (10) public school academies (PSAs). Other services are extended to Lapeer, Shiawassee and surrounding counties.

Our Slogan:

GISD - Leadership for Lifelong Learning

Our Beliefs:

We believe –

- that every person has inherent worth and dignity
- that education is a lifelong process
- that learning is the pathway to individual success and the key to social and economic justice
- in learner-centered education
- that education is a cooperative effort and partnership of many
- that education stretches the mind and imagination of all learners

Teaching, Learning and Service Plan

Genesee Intermediate School District (GISD) recognizes that a world class education requires a rigorous and relevant academic program. Its 2011-2014 Teaching, Learning and Service Plan integrates the findings and recommendations of community-wide studies, and incorporates the relevant input of school and community members. GISD is confident that its Teaching, Learning and Service Plan continues to set a high standard for serving the needs of its constituents and preserves GISD's tradition of being a superior regional educational service agency.

GISD's goals continue to focus on providing services for its constituent districts. These goals provide the broad direction for impacting student achievement, improving leadership and professional development, expanding partnerships, and broadening the integration of technology throughout the educational enterprise. GISD will continue its commitment to quality programs and services that have been developed in past years. GISD will also continue to provide leadership, as directed by constituents, to ensure that its services and programs are fulfilling the educational needs of Genesee County.

Vision and Goals of Technology Plan

VISION

The Genesee Intermediate School District vision is based on comprehensive interconnectivity and includes the following:

- Access to technology for all members of the Genesee County Learning Community
- Leadership support, updated knowledge and skills in the use of technologies for all GISD constituents
- Technical assistance and support for all technological systems and for all technology users
- Professional development and training for all technology users
- Deployment of emerging technologies based on research and continuous assessment of user needs

SEVEN GOAL TITLES

- Interconnected Networks Serving K-16
- Diverse Delivery Systems for Instructional Technologies
- Technical Support
- Regional Service Leadership
- Knowledge and Skills for Effective Applications
- Comprehensive Information System Serving K-16 and Community
- Technology Support System for Administration

Interconnected Networks Serving K-16	Conditions
<ul style="list-style-type: none"> • Implement voice/video/data network support for delivery and management of teaching and learning for all GISD's constituents 	<ul style="list-style-type: none"> • Network permits complete interaction among all constituents of GISD • Network design is an open structure • GISD provides leadership, training, and management

Diverse Delivery Systems for Instructional Technologies	Conditions
<ul style="list-style-type: none"> • Design, develop and deploy appropriate hardware, software and peripherals to support diverse models of instructional technology 	<ul style="list-style-type: none"> • Local Area Networks in all schools and facilities • Interactive Data Exchange capacity

Technical Support	Conditions
<ul style="list-style-type: none"> Establish system for technical support to all GISD constituents 	<ul style="list-style-type: none"> Provide support to building and district level technical teams Maintain secondary support teams at GISD Provide on-going training for all Technical teams

Regional Service Leadership	Conditions
<ul style="list-style-type: none"> Continue Leadership that maintains GISD as a premier Regional Educational Service Agency for technology 	<ul style="list-style-type: none"> Focus on Integrated Technology by Assessing and Reallocating Human, Financial and Technical Resources Provide Needed Training for Service Agency Staff Provide Training to Constituents Maintain collaborative ownership, investment and governance of shared infrastructure

Knowledge and Skills for Effective Applications	Conditions
<ul style="list-style-type: none"> Provide basic, intermediate, and advanced technology <u>application knowledge and skill</u> instruction for all educational personnel 	<ul style="list-style-type: none"> Support a specific set of applications at all GISD facilities Support a specific set of applications for all GISD clients

Comprehensive Information System Serving K-16 and Community	Conditions
<ul style="list-style-type: none"> Provide a comprehensive <u>information</u> system between GISD and its clients — students, lessons, resources, etc. 	<ul style="list-style-type: none"> Students, parents, teachers, and other personnel shall have appropriate access to the educational materials and resources via voice-video-data system any place any time Students, parents, teachers, and other personnel shall have appropriate access to the information system in “real time” any place any time Safety shall be preserved in alignment with national CIPA standards Privacy rights shall be preserved

Technology Support System for Administration	Conditions
<ul style="list-style-type: none">• Establish a unified GISD <u>administrative technology</u> system	<ul style="list-style-type: none">• Supports all necessary information access requirements• Produces all necessary information reports• Information is timely and accurate• System is user friendly• Security strategies to ensure system integrity in place

Infrastructure

The Plan provides a description of the type of technologies to be acquired, including specific provisions for interoperability among components of such technologies and, to the extent practicable, with existing technologies.

The Genesee Intermediate School District facilitates research, development, installation and maintenance of an exemplary fiber-optic voice video data network (GenNET). This includes extensions to 7 GISD facilities, 21 Genesee County school districts, and connections to 5 external county facilities (Saginaw, Midland, Shiawassee, Lapeer and St. Clair). Phone service is carried across the fiber-optic wide area network as pass through, video RF and gigabit Ethernet data. Internet service is provided via the wide area network including: management services, security, content filtering and firewall.

The current status:

Voice:

- Maintenance and management of the local GISD phone switch and system county wide
- Implement Voice Over IP (VOIP) solution in pilot districts

Video:

- Interactive television (ITV) classrooms installed in each school district and five GISD buildings
- Digital video on fiber optic system
- Video on demand (Discovery Education Streaming) in 22 school districts
- Cable services across the network
- Video distribution to 52 ITV classrooms and fiber extended to all GenNET member buildings
- Satellite downlink equipment installed at GISD facility

Data:

- Blackboard server and software
- Payroll, personnel, finance and student applications
- GISD website
- Self-Service Helpdesk and Incident Management
- Change Management
- County-Wide job posting and application tracking
- Automated Data Backup
- Data electronics
- Fiber-optics
- Trouble-shooting software
- Multiple application servers
- Antivirus software installed at GISD, servicing all districts
- Network station inventory, assessment and remote control tool installed

Future projects:

- Increase bandwidth to support distribution services
- Upgrade hardware and software to provide quality access and service
- Facilitate and insure current and future sustained communication system interoperability, integration, open systems compatibility
- Maintain data security and integrity through ongoing research and development
- Facilitate installation of electronics in elementary and middle school buildings
- Expansion of Inter-county connectivity.
- Upgrade, establish and maintain countywide standards for software

- Identify and recommend to GISD departments standard hardware and software configurations to maintain dependable, interoperable avenue of communication: Hardware, software, printers, scanners, projectors, digital cameras, PDAs etc.

Curriculum Integration

The Plan provides an explanation of how acquired technologies will be integrated into the curriculum to enhance teaching, training, and student achievement.

The Genesee Intermediate School District leads support efforts for technology integration projects in Genesee County. A broad-range of on-going professional opportunities is offered to the entire educational community supported by the GISD: administrators, teachers support staff, students and community members adhering to the following standards and advisory groups:

- Michigan Curriculum Framework Standards
- Michigan Educational Technology Standards
- International Society for Technology in Education Standards
- National Standards for Professional Development (NSDC)
- GenNET Governing Board
- Genesee County Superintendents Association Subcommittee for Technology
- GenNET Technical Support Committee
- Genesee County Curriculum Council
- Genesee County High School Principals
- Genesee County Middle School Principals
- Genesee County High School and Middle School Counselors
- Genesee County Elementary School Principals
- REMC 14 Advisory
- GenNET Pioneers Educators I, II, III and IV

In concert with presenting and participating in training projects, GISD staff model appropriately aligned integration strategies on a daily basis. GISD professionals and support staff members are expected to employ a broad range of standardized and cutting-edge emerging technologies to assist and enhance completion of daily activities in the world of work. Note a number of standard activities below.

- Provide resources and training in basic technology use and concepts to support integration processes
 - Hands On Technology Trainings (Blackboard, Podcasting, Digital Storytelling and unitedstreaming), MI-Life Training for Administrators and ITV Mini-Sessions
- Assist educators in designing effective learning environments and experiences supported by technology
 - GenNET Pioneer Program
 - Video access: REMC media collection, unitedstreaming, Annenberg, MI-Streamnet
 - ITV access for professional development
 - Provide support/training models for educational community
- Facilitate and implement curriculum that includes methods and strategies for applying technology to maximize student learning.
 - Facilitate the use of Internet-based software solutions that support educational processes- Blackboard, streamed video, TeacherWeb.
 - Use emerging technologies to assist physically and mentally challenged learners: Braille, audio devices, video devices, switches and other
- Use technology to facilitate a variety of effective assessment and evaluation strategies.
 - Grading software
 - Create, use and present databases and spreadsheets used for gathering, storage, management and evaluation of data
- Enhance productivity and professional practice through the use of technology.
 - Use the Internet to gather information to support a point in question

- ▶ Publish information or post documents on an Internet web page for others to research
- ▶ Use email to communicate with individual/multiple people email/listserv
- ▶ Access and use the REMC 14 media collection on the Internet
- ▶ Publish departmental documents:
 - Newsletters
 - Informational flyers
 - Training materials
- ▶ Create and use multimedia presentations to assist in explanation of concepts
- ▶ Use projectors and monitors to present information
- ▶ Use various technologies to solve problems
- ▶ Use the telecommunication system in the Distance Learning Classrooms to present and participate in conferences, meetings and workshops
- Understand and apply social, ethical, legal and human guidelines relative to issues surrounding the use of technology in PK-16 schools.
 - ▶ Follow and support copyright laws
 - ▶ Follow and support network/Internet acceptable use policy (AUP)

Collaboration

The Plan provides an explanation of how programs will be developed in collaboration with existing adult literacy service providers to maximize the use of technologies. (This is intended to address community access to and benefit from the acquisition of technology.)

The Genesee Intermediate School District will collaborate with school personnel and community members to establish links between the educational community and a broad range of resources that expand educational opportunities and enhance the educational processes for all people within Genesee County.

The following committees have been established and monthly to insure ongoing dialog and planning.

- GenNET: Genesee Network for Education Telecommunications – Two-way interactive voice/video communication within Genesee County and beyond
- Collaborative committees – GenNET networked interactive connections projects
 - GenNET Governing Board
 - Genesee County Superintendents Association Sub Committee for Technology
 - GenNET Technical Support Committee
 - Genesee County Curriculum Council
 - Genesee County High School Principals
 - Genesee County Middle School Principals
 - Genesee County Elementary School Principals
 - Genesee County High School and Middle School Counselors
- Multi-District Consortium – Genesee ISD, Lapeer ISD, Shiawassee RESD, St. Clair ISD, Midland ESA and Saginaw ISD.
- Multi-District Consortium Program Committee
- Software application user group meetings
- Genesee County School Business Officials (GASBO) - School business issues and resources
- REMC 14 Advisory Council – Media resources for education
- Collaborative special interest committees statewide – REMCAM of Michigan, MAISA and MASA
- REMC Cooperative Bid projects: Statewide cooperative purchasing

Other cooperative relationships:

- Michigan Department of Education (MDE) – Policies and resources
- Center for Educational Performance and Information (CEPI) – Data management
- Electronic Educational Development Planning – (EDP) – Student planning and professional development
- Michigan Leadership Improvement Framework Endorsement (MI LIFE)
- Shared technical services
- MICHampions – (MACUL)
- Single Record Student Database – (SRSD)

Professional Development

The Plan describes how the district will ensure ongoing, sustained professional development for teachers, administrators, and school library media personnel to further the use of technology in the classroom or library media centers.

The Genesee Intermediate School District facilitates a broad range of professional development opportunities aligned with Michigan Curriculum Framework Standards, Michigan and International Standards for Technology in Education and National Standards for Staff Development.

The following activities are planned and evaluated on an ongoing basis to insure that administrators, educators and support personnel are provided with resources, knowledge and follow-up requisite to participation in countywide development of aligned educational activities supported and enhanced through the integration of various technologies whether focused on the classroom, information management or support for school business operations. Several professional development documents are included in the Appendix.

- Administrator Technology Workshops
- Hands on Technology Workshops for Educators
- MI-LIFE Administrator Trainings
- GenNET Pioneer Program
- Video conferences
- Two-way Interactive Television teacher trainings
- Workshops in support of database projects
- SPM, HRS and FAS Trainings
- Early Literacy Conference
- Educational Development Plan (EDP) – Professional development
- REMC 14 Advisory – Monthly professional development
- Health and Wellness Training project

Technical Support

The Plan identifies the source or sources of ongoing technical support training and assistance available to schools, teachers, and administrators served by the district.

In order to insure continuous service from the entire GenNET network system, accompanying networks and technologies involved with the network, the Genesee Intermediate School District maintains technical support staff tasked with providing first level technical support to GISD staff members, equipment and activities and second level support and consulting services to constituent school districts.

- See GISD, Technology and Media Services tier chart included in Appendix
- Technical helpdesk team for voice (phones), video (interactive video communications), data (data technologies/computer)
- Information system help desk team to meet end–user training and issue need
- Development analysis team to assist in development and upgrade of software/hardware projects
- Consultation with instructional team to insure alignment with the educational setting
- Facilitate monthly constituent technical support meetings
- Contact and support for high school GenNET classrooms and, soon, middle and elementary schools
- Firewall maintenance
- Internet support
- Server repair/support
- Technology intake, logging and tagging for GISD
- Computer installation and support for GISD
- Contact for warranty issues relative to hardware for GISD
- Software installation and support for GISD
- Hardware and software research, and recommendations
- Presentation technology setup and support within GISD buildings
- Listserv communications for support of technologies
- Web based support for software and hardware
- Project management
- General technical consulting
- Shared technical services
- Remote server hosting
- Remote network management
- Enterprise backup solution
- Disaster recovery

Supporting Resources

The Plan provides a description of the supporting resources, such as services (on-line and other), software, and print materials which will be acquired to ensure successful and effective use of technologies that are acquired.

The Genesee Intermediate School District provides a comprehensive, interactive information sharing system between GISD and its clients

- Provide staff to support technology integration initiatives: See Staffing guideline chart in Appendix.
- Provide sufficient budget to support technology integration
- Provide technical support for technology integration initiatives
- Internet access
- Listservs and user groups for software applications and processes
- Blackboard server and software
- CEO Imaging – Scanning and archiving graphics and documents
- Network management services
- Web-based support and documentation for hardware, software and integration activities
- Application support helpdesk
- Technical support helpdesk
- Instructional materials
- Online resource assistance through the Teacher Discovery Center
- Teacher Discovery Center – Integration processes and materials
- REMC Association of Michigan (REMCAM) – Active participation in the association established statewide services, which improve learning opportunities.
- REMC Cooperative Projects – Purchasing, research databases
- Michigan Instructional Video (MITV)
- Michigan Association for Computer Users in Learning (MACUL)
- Michigan Assistive Technology Resource (MATR)
- REMC 14 Video collection
- Access to research and booking REMC 14 video collection on the web
- REMC Cooperative Bid Project – <http://remc.org>
- Michigan Electronic Library (MEL) – <http://mel.org>
- Michigan Library Consortium (MLC) – like the MLC aggregates purchasing to save its members money on technologies, resource databases and professional development.
- MI-Streamnet
- REMC/GenNET Online Program
- Michigan Association for Media in Education (MAME) – MAME is a key agency providing professional development to area library media specialists.
- Blackboard subscription for Genesee County schools
- Professional organizations
- Michigan Elementary and Middle School Principals Association (MEMSPA)
- Michigan Association of Intermediate School Administrators (MAISA)
- Michigan Association of School Administrators (MASA)
- Michigan Association of School Boards (MASB)
- Michigan Association of Secondary School Principals MAISSP)
- Michigan Department of Educations (MDE)
- Michigan Education Association (MEA)
- Michigan School Business Officials (MSBO)
- Michigan School Public Relations Association (MSPRA)

- North Central Regional Educational Laboratory (NCREL)
- The Association for Supervision and Curriculum Development (ASCD)
- Michigan Occupational Information System (MOIS)
- Genesee ISD is the coordinating unit of Gen NET activity/programs and projects
- Required Technology Plan Components for MDE Approval
<http://www.state.mi.us/mde/money/grants/tlcf/techplan.pdf>
- Michigan's Five-Year Technology Plan
<http://www.mde.state.mi.us/tplan/final.shtml>
- National Educational Technology Standards Project – <http://cnets.iste.org/>
- Michigan Curriculum Framework – <http://www.mde.state.mi.us/reports/>
- Instructional Technology Across the Curriculum (ITAC)
<http://cdp.mde.state.mi.us/ITAC/>
- Michigan Technology Content Standards and Benchmarks
<http://www.mde.state.mi.us/reports/>
- NSSE Indicators for Quality for information systems in K-12 schools (National Study of School Evaluation). Library of Congress Catalog No. 95-71988.1996
- Guiding Questions for Technology Planning: North Central Regional Technology Education Consortium – 1996
- North America Council for Online Learning (NACOL)
<http://www.ncrtec.org/capacity/guidewww/gqhome.htm>
- Technology Connections for School Improvement. NCREL, 1999.
<http://www.ncrel.org/tplan/tplanB.htm>
- Planning Resources from National Education Service (NES)
<http://www.nesonline.com/res/res.html#technology>

Timetable

The Plan reflects the projected timetable for implementing the strategic long-range Plan in schools.

Items	2011-12	2012-2013	2013-14
Marketing and publication Marketing Department Technology/Media Services	Ongoing Ongoing Ongoing	Ongoing Ongoing Ongoing	Ongoing Ongoing Ongoing
Infrastructure Hardware Upgrade Networking Technologies Software GenNET I-IV Complete fiber optic to all Instructional buildings	Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade	Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade	Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade Ongoing upgrade
Professional development Educator Professional Development Administrator Professional Development	Ongoing Ongoing	Ongoing Ongoing	Ongoing Ongoing
Collaboration – expansion	Ongoing	Ongoing	Ongoing
Technical Technical Support Technical Staff	Ongoing In place	Ongoing In place	Ongoing In place
Instructional Technology Instructional technology staff Instructional technology support Subscriptions Video collection and distribution Teacher Discovery Center Staff Streamed video collection	In place Ongoing Ongoing Ongoing Complete staff Ongoing	In place Ongoing Ongoing Ongoing Complete staff Ongoing	In place Ongoing Ongoing Ongoing Complete staff Ongoing
Informational Technology Informational technology staff Informational technology support	Ongoing Ongoing	Ongoing Ongoing	Ongoing Ongoing
Coordination of Resources Research materials Web presence and staff	Ongoing Ongoing Ongoing upgrade	Ongoing Ongoing Ongoing upgrade	Ongoing Ongoing Ongoing upgrade
Evaluation Surveys and evaluations	Ongoing Yearly and as identification needed	Ongoing Yearly and as identification needed	Ongoing Yearly and as identification needed

Total Cost

The Plan addresses the projected total cost of technologies to be acquired and related expenses needed to implement the strategic long-range plan.

The Genesee Intermediate School District will provide coordinated budget funding for technology integration initiatives.

	2011-12	2012-13	2013-14
Salaries & Benefits	2,930,061.00	3,003,312.53	3,063,378.78
Hardware & Networking Cost	1,586,400.00	1,626,060.00	1,658,581.20
Maintenance & Service Cost	708,000.00	725,700.00	740,214.00
License Agreements	191,000.00	195,775.00	199,690.50
Software & Curriculum Support	7,000.00	7,175.00	7,318.50
Professional Development	105,750.00	108,393.75	110,561.63
Technical Support	123,800.00	126,895.00	129,432.90
Other	259,250.00	265,731.25	271,045.88
Alternative Funding Sources			
Title II D ARRA	440,819.00		
Title II D	222,820.00		
Total	6,574,900.00	6,059,042.53	6,180,223.38

Coordination of Resources

The Plan describes how the district will coordinate available state and local grant resources to implement the strategic, long-range technology plan.

GenNET Funding Strategy

- **5-year commitment by up to 21 local school districts plus Genesee ISD**
- Expansion and maintenance of fiber infrastructure, upgrades and replacement of enterprise electronics and county-wide capital projects

Universal Service Fund (USF)

- USF activity to date for telecommunications, Internet access and internal connections throughout GISD's service area

Michigan Schools Online Grant (MSOL)

REMC/GenNET Online Project

MDE- 8th Grade Technology Literacy Grant collaboration with Oakland Schools

Evaluation

The Plan describes how the district will evaluate the progress and impact of its implementation.

Implementation of technology at/by the Genesee Intermediate School District is based on curricular need generated by MEAP scores and surveys of GISD and school district professional staff. GISD general evaluations are administered yearly. Special interest evaluation instruments are administered during the planning phase and after presentation of activities by Dr. David Treder, GISD, Coordinator for Research, Development and Evaluation.

- Survey educators
- Surveys of GISD professional staff: See Appendix Education and Learning Survey
- Surveys of special collaborative committee members
- Surveys of educators: GenNET Pioneer Program
- Workshop evaluations: See Appendix
- Interviews
- Surveys of students ITV and Online classes: See Appendix

The following committees have been established and meet monthly to insure ongoing dialog and planning:

- GenNET: Genesee Network for Telecommunications in Education – Two-way interactive voice/video communication within Genesee County
- Collaborative committees – GenNET networked interactive connections projects
 - ▶ GenNET Governing Board
 - ▶ Genesee County Superintendents Association Subcommittee for Technology
 - ▶ GenNET Technical Committee
 - ▶ Genesee County Curriculum Council
 - ▶ Genesee County High School Principals
 - ▶ Genesee County Middle School Principals
 - ▶ Genesee County Elementary School Principals
 - ▶ Genesee County High School and Middle School Counselors
- Multi-District Consortium – Genesee ISD/GenNET as the hub and fiscal agent, connection of Saginaw ISD/Saginet, Lapeer ISD/Lites, Shiawassee RESD/SITES, St. Clair ISD, Saginaw, Midland
- Multi-District Program Committee – Resources and classroom integration projects
- Genesee County School Business Officials (GASBO)- School business issues and resources
- Software application user groups
- REMC 14 Advisory Council – Media resources for education

Acceptable Use

The Plan includes an Acceptable Use Policy that addresses Internet use.

Access to a network and the Internet can be powerful and effective educational and business tools. Access by multiple, sometimes unsupervised, individuals inside and outside of the GenNET networked system can pose a serious potential security risk to Genesee County school data and individuals interacting over the system (administrators, educators, support personnel and students). Therefore the Genesee Intermediate School District Superintendent and Board have facilitated creation of district wide guidelines for network and Internet use by professionals and students. Student guidelines are aligned with the Children's Internet Protection Act (CIPA, Public Law 106-554, December 2000). CIPA makes schools and libraries ineligible for E-Rate discounts, Title III (Tech. Lit.) and LSTA funding unless they certify that they have and enforce an Internet safety policy that, among other requirements, protects children from child pornography, obscene materials or materials harmful to minors and adults from child pornography and obscene materials delivered over the Internet to computers at schools and libraries.

See Appendix for AUP.

Communications and Public Relations

The Genesee Intermediate School District facilitates global communication strategies internally and for its constituent districts.

- Maintains a Public Relations Department
- Maintains an up-to-date web presence for all departments
- Maintains pilot web pages for several school districts
- Maintains and encourages use of Internet-based listservs
- GenNET fiber-optic system – voice-video-data
 - ▶ Interactive professional development
 - ▶ Informational video conferences
 - ▶ Internet-based classes
 - ▶ Communications for Genesee County school districts – Voice-video-data
 - ▶ Facilitates “GenNET III” fiber expansion to elementary and middle school buildings
- Publishes a Genesee ISD newsletter- InnerViews
- Publishes a Technology and Media Services newsletter – Insight and Outlook for K-12 Educators
- Facilitates communication through professional development and special interest committees noted in the “Collaboration” element
- Facilitates communication to southeastern Michigan counties through committee meetings and listserv messages

Innovative Delivery Strategies to Increase Access to Curricula

The Plan includes a description of how the district will encourage the development and use of innovative strategies for the delivery of specialized or rigorous courses and curricula through the use of technology, including distance learning technologies, particularly in areas that would not otherwise have access to such courses or curricula due to distances or insufficient resources.

The Genesee Intermediate School District is very active in research and development of innovative strategies and technologies that deliver specialized or rigorous courses and curricula through the use of technology, including distance learning technologies, particularly in areas that would not otherwise have access to such courses or curricula due to distances or insufficient resources. The following projects are currently in place:

- Two-way interactive video high school classes between remote sites – 47+ per day for high school students
- Two-way interactive video middle school classes and programs
- REMC/GenNET Online Program
- Online and interactive video graduate classes for education professionals
- Implementation of Two-way interactive communication for elementary schools in Genesee County (GenNET III)
- Blackboard software and server hosting to facilitate online classes
- Off-Net connection worldwide via codec technology
- Satellite downlink educational programs
- Higher-ed classes to HS via FANET

Technology Used to Promote Parental Involvement

The Plan includes a description of how the district will use technology effectively to promote parental involvement and increase communication with parents, including a description of how parents will be informed of the technology used.

The Genesee Intermediate School District is responsible for research and development of innovative tools for communication with students, parents, and the community. The following initiatives are currently in place or in district-pilot form.

- County wide phone system for broad, cost effective access
- Purchase Blackboard server and software to hold class, workshop and communications
- Implemented TeacherWeb – Communication tool for educators to communicate class assignments, student progress, attendance and grades via the Internet
- Implemented ParentWeb – Communicate student assignments, grades and progress via the Internet
- SynreVoice automated calling system
- GISD website

Increased Access to Technology

The Plan describes the steps the applicant will take to ensure that all students and teachers have increased access to technology and to ensure that teachers are prepared to integrate technology effectively into curricula and instruction.

The Genesee ISD has developed an enterprise support system that leads technology research, acquisition and integration in Genesee and outlying counties. The enterprise participants cooperatively Plan for and utilize:

- Increased technology installations in schools and classrooms
- Increased access to Internet
- Increased access to resources
- Ongoing professional development opportunities; See professional Development element
- Ongoing technical support and consulting
- Participation and publicity of Michigan Cooperative/Bid Acquisition project for cost effective purchase of hardware, software and other materials
- Technology planning consultation and workshops

GENESEE INTERMEDIATE SCHOOL DISTRICT

Genesee County's Regional Educational Service Agency



2006-2011

TEACHING LEARNING SERVICE PLAN

TEACHING, LEARNING, AND SERVICE PLAN

In 1993, Public Act 339 was enacted, requiring all intermediate school districts to develop a school improvement plan.

Subsequently, Public Act 179 changed the focus of our planning process, increasing the emphasis on academic learning. Over the years, nearly 1,000 people have been involved in GISD's ongoing planning process. In early 2006, Mr. Thomas Crampton, executive dean of Mott Community College's Regional Technology Center, acted as the planning facilitator for the GISD Teaching, Learning, and Service Plan. Working with school/community members, Mr. Crampton developed the parameters for our plan. We recognize that a world class education requires a rigorous and relevant academic program. This 2006-2011 Teaching, Learning, and Service Plan exceeds the requirements of current law, accurately integrates the findings of community-wide studies, and incorporates the relevant input of school and community members.



Our goals continue to focus on providing GISD services for our constituent districts. GISD will continue its commitment to quality programs and services that have been developed in past years. GISD will also continue to provide leadership, as directed by constituents, to ensure that GISD services and programs are fulfilling the educational needs of Genesee County.

The Genesee Intermediate School District Board of Education, administration, and staff express deep appreciation to all who participated in our ongoing planning process. The GISD staff members who contributed to the final GISD Teaching, Learning, and Service Plan are acknowledged for their commitment to achieving outstanding educational outcomes for all students in Genesee County. We are confident that this plan will continue to set a high standard for serving the needs of our constituents and preserve GISD's tradition of being a superior regional educational service agency.

Lawrence P. Ford
President, GISD Board of Education

Lisa A. Hagel
Superintendent, GISD

Evaluation Component (Evaluation Plan):

- ▶ Teaching, Learning, and Service Plan annual report.
- ▶ Focus groups with various constituencies for perceptions on progress toward goals and on suggestions for improving the plan.
- ▶ Longitudinal trend data from Michigan Education Assessment Program and other standardized tests for improvement in test scores and return on investment.
- ▶ Constituent District Budget Hearing process.
- ▶ Departmental surveys.
- ▶ Superintendent evaluation/feedback information.

LEARNING FOR SUCCESS

The success of all students is the core purpose of education. With increased state and national interest focused on continuously improving teaching and learning, GISD has identified the following instructional objectives.

1. *Provide services to increase the effectiveness of the delivery of instruction to improve academic achievement.*

- ▶ Provide teachers with resource materials and research-based instructional strategies that engage and motivate all learners to improve student achievement.
- ▶ Provide school personnel with curriculum documents, assessments, and instructional resources that align with Grade Level and High School Content Expectations, the Michigan Merit Curriculum, and the Common Core for English Language Arts and Mathematics.
- ▶ Provide school staff with strategies that will accommodate the learning needs of non-English speaking, special education, and at-risk students.
- ▶ Provide continued support for the implementation of the Response to Intervention (RtI) model, personal curriculum, and other innovative initiatives to meet individual student learning needs.
- ▶ Continue to update Career Technical Education (CTE) programs to meet the diverse needs of students in a highly technical and competitive workplace.
- ▶ Continue to support extended learning opportunities to enhance the curriculum.



2. *Implement programs that address the unmet and emerging needs of special education students.*

- ▶ Continue to support programs and services for students who exhibit dangerous, disruptive, or destructive behavior.
- ▶ Initiate standards-based Individualized Education Programs for special education students.
- ▶ Provide districts with support in implementing effective practices for special education students that lead to higher achievement on statewide assessments.



Continued on next page.

LEARNING FOR SUCCESS (cont.)



3. *Continue the integration of technology with instruction and learning.*

- ▶ Expand distance learning program options (e.g. field trips, video streaming, professional development, and video conferencing).
- ▶ Expand and implement interactive video capacity for constituent districts.

LEADERSHIP FOR LEARNING

Effective educational leadership promotes student learning and higher achievement. GISD will implement the following objectives to meet this goal.

1. *Create and sustain collaborative relationships and partnerships that improve academic success.*

- ▶ Continue to identify and implement quality service configurations that maximize resources to improve student learning (e.g., shared-time services, administrative leadership, and cost-saving agreements).
- ▶ Continue to strengthen school and community collaborations for services that support student learning and well-being.

2. *Promote high standards for educational instruction, leadership, technology, community involvement, communication, and school improvement strategic planning.*

- ▶ Continue to identify standards that fit best with Genesee County, align where appropriate with state defined standards, and implement with partners.
- ▶ Build upon work with High Priority schools to assist other schools in meeting state performance expectations.
- ▶ Explore evaluation processes to meet new state legislative requirements.

3. *Eliminate barriers that impede student access to effective programs and services.*

- ▶ Continue development of Administrative Guidelines.
- ▶ Enhance opportunities for students to access educational programs.
- ▶ Continue to examine facilities and services to address potential barriers to access and update as needed.

4. *Identify and implement a system capable of disaggregating, analyzing, and reporting data to support academic decision making.*

- ▶ Continue to implement and utilize data reporting systems that provide quality information for making instructional decisions and for meeting state requirements.
- ▶ Assist districts in the effective use of special education data to monitor student outcomes and to improve performance on state indicators and assessments.

STAFF DEVELOPMENT

Every staff member has a responsibility for the development of students. When all staff participate in learning opportunities, they are able to maintain and expand skills to meet the changing needs of students. The following objectives have been identified to implement staff learning communities.

1. *Provide training for educators in the use of research-based teaching and academic intervention strategies.*

- ▶ Continue to provide professional development for integrating career/employability skills and contextual learning strategies into all curriculum areas.
- ▶ Continue to provide professional development to educators on the use of evidence based instructional strategies and interventions to increase student achievement.

Continued on next page.



STAFF DEVELOPMENT (cont.)

- ▶ Provide professional development on the new Common Core Standards in English language arts and mathematics K-12.
- ▶ Continue to coordinate and provide updated training focused on school safety, wellness, and Homeland Security.
- ▶ Continue to provide professional development focused on the school improvement process.

2. *Provide training for educators to use technology to enhance and manage instruction and learning.*

- ▶ Continue to provide professional development in partnership with higher education to improve classroom instruction.
- ▶ Continue to provide professional development to administrators, teachers, and school staff in the use of technology to assist in data-based decision making.
- ▶ Continue to provide professional development to administrators and teachers in the use of technology to deliver instruction via alternative methods.

COMMUNICATION AND COMMUNITY RELATIONS

Building and maintaining community partnerships is one of the processes GISD uses to provide the best programs and services for its districts. The following objectives outline GISD's commitment to work with community partners.

1. *Promote Genesee County's education system to build greater public awareness and support.*

- ▶ Enhance the communication system to consistently exchange information regarding GISD programs and services and to disseminate key educational messages to local constituent districts.
- ▶ Launch the redesigned GISD website and continue to expand its functionality.



2. *Identify, prioritize, and deliver professional development in the areas of marketing, public relations, and communications.*

- ▶ Continue to implement the *GISD Style and Procedures Guide* throughout the organization.

TECHNOLOGY AND INFORMATION MANAGEMENT

An information-driven world requires changes in the operation of school systems. GISD will continue to identify creative ways to assist districts in how they manage and analyze data to improve student learning. GISD will implement the following objectives to meet this goal.

1. *Continue to build efficiencies within the educational infrastructure.*

- ▶ Implement new technology applications to manage processes and information.
- ▶ Continue to expand shared support services and collaborative models that save money for constituent districts.



2. *Provide technical support and coordination to implement technology and specialized applications to enhance the effectiveness and efficiency of school operations.*

- ▶ Expand technology tools to enhance the capacity to provide services that result in more resources being directed to the classroom.



GISD's Department and Program Administrators

- ▶ Lisa A. Hagel, Superintendent(810) 591-4402
- ▶ Michael Moorman, Deputy Superintendent - Human Resources and Operations591-4432
- ▶ Mary Behm, Assistant Superintendent - Education & Learning.....591-4408
- ▶ Beverly Knox-Pipes, Assistant Superintendent - Technology & Media Services591-4436
- ▶ Cindy McCain, Assistant Superintendent - Business Services591-4414
- ▶ Jan Russell, Assistant Superintendent - Special Education Services591-4886
- ▶ Jerry Johnson, Executive Director - Communications and Development591-4426
- ▶ Gloria Bourdon, Director - Health, Safety, and Nutrition Services.....591-5118
- ▶ Frederic Stanley, Director - Career Technical Education.....591-4446



Genesee County's Regional Educational Service Agency

Board of Education

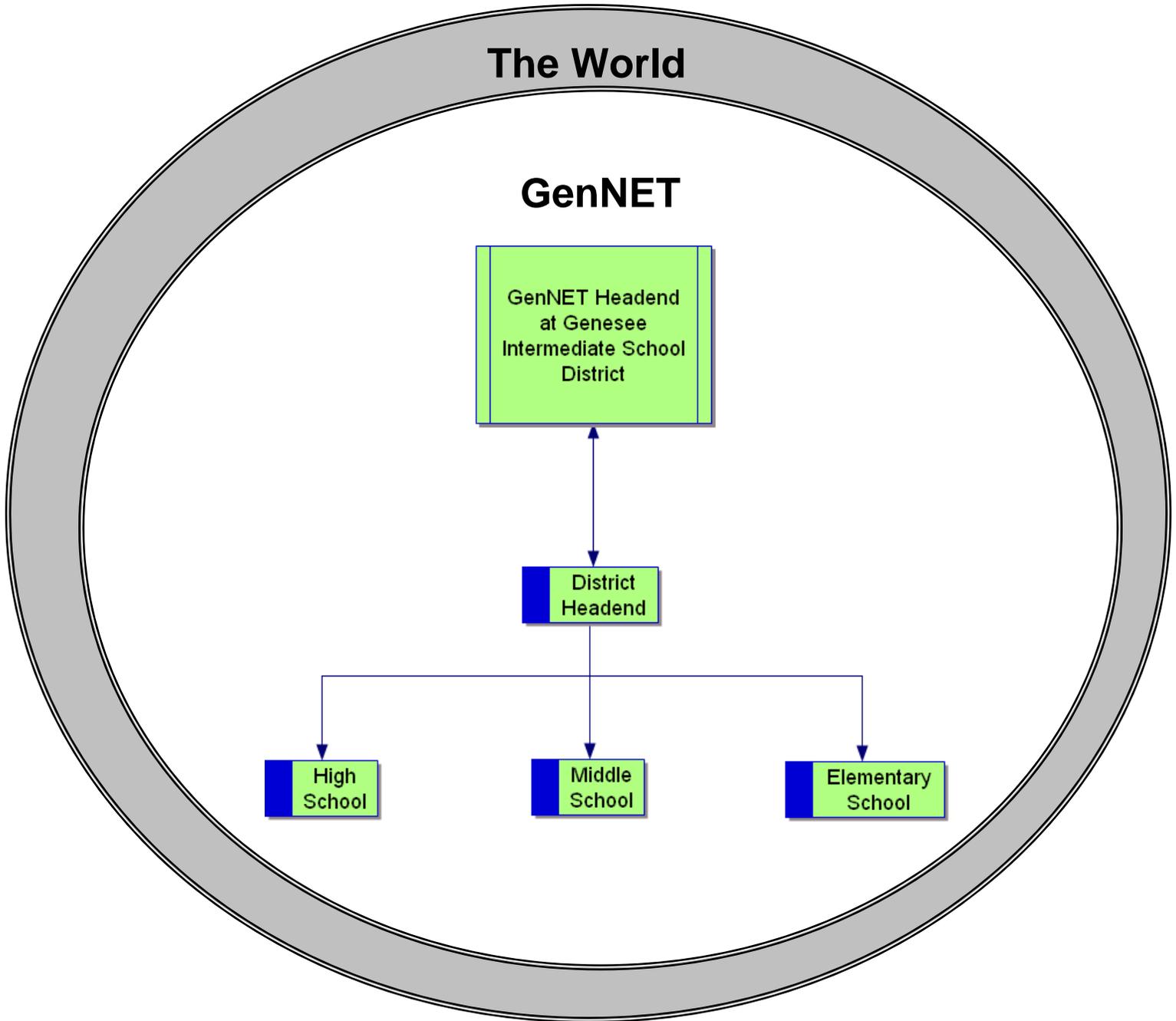
Lawrence P. Ford, President
Jerry G. Ragsdale, Vice President
Paul D. Newman, Secretary
Cindy A. Gansen, Treasurer
Dale A. Green, Trustee

Lisa A. Hagel, Superintendent
2413 West Maple Avenue
Flint, Michigan 48507-3493
(810) 591-4400
TDD (810) 591-4545

www.geneseeisd.org

Genesee Intermediate School District (GISD) does not discriminate on the basis of race, color, religion, national origin, sex, disability, age, height, weight, marital status, or any other legally protected characteristic, in its programs and activities, including employment opportunities. The following person has been designated to handle inquiries regarding the nondiscrimination policies of GISD or to address any complaint of discrimination: Melinda McGraw, Human Resources Administrator, Genesee Intermediate School District, 2413 West Maple Avenue, Flint, Michigan 48507-3493, (810) 591-4591.

**Telecommunications Path
To the World**



Professional Development

PART A: BACKGROUND INFORMATION

Title of the SB-CEU Program _____ Date _____
 SB-CEU Program Offering No. _____
 Sponsor Name _____ **Genesee ISD** _____

Indicate your present position: (Mark One)

- Superintendent
- Assistant Superintendent
- Principal/Assistant Principal
- Director/Supervisor
- Teacher
- Other (All other Admin. Positions)

PART B: EVALUATION QUESTIONS

1. Overall, I would rate the program as:

POOR			EXCELLENT		
①	②	③	④	⑤	

2. The objectives of the program were clearly evident:

①	②	③	④	⑤
---	---	---	---	---

3. The leader(s)/instructor(s)' instructional skills were:

①	②	③	④	⑤
---	---	---	---	---

4. How effective was the program in holding your interest?

①	②	③	④	⑤
---	---	---	---	---

5. The facilities and accommodations were conducive to learning:

①	②	③	④	⑤
---	---	---	---	---

6. The materials were relevant and helpful:

①	②	③	④	⑤
---	---	---	---	---

7. I will be able to use the information and/or skills acquired through this program to improve my job effectiveness:

DISAGREE			AGREE		
①	②	③	④	⑤	

PART C: WRITTEN COMMENTS (For additional space, please use the back of this form)

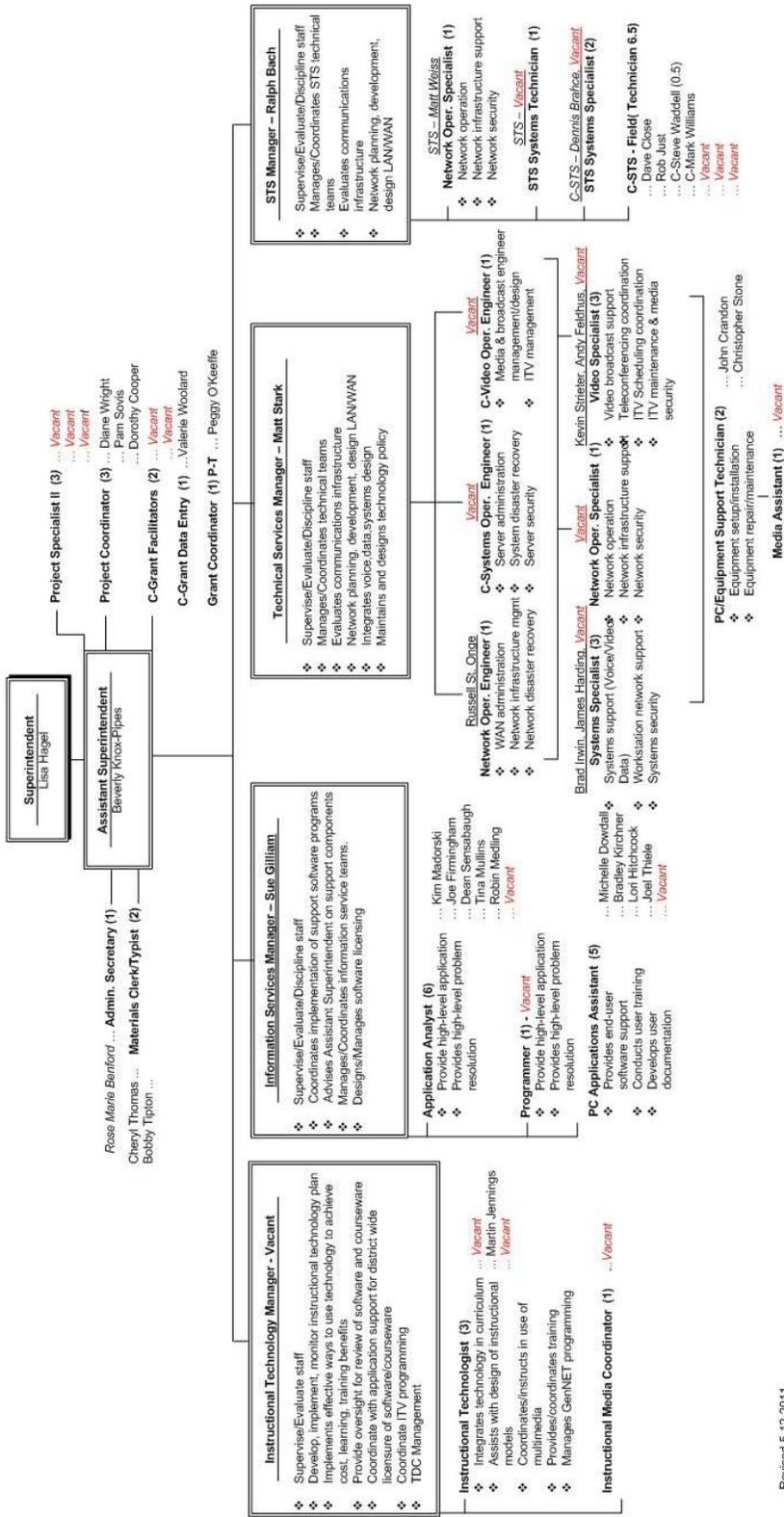
8. WHAT COULD BE DONE TO IMPROVE THE WORKSHOP/TRAINING? _____

9. FOR FUTURE WORKSHOPS, WHAT TOPICS WOULD BE MOST HELPFUL IN PERFORMING YOUR JOB? _____

10. ADDITIONAL COMMENTS: _____

DRAFT

Technology and Media Services



Revised 5-12-2011

**Genesee Intermediate School District
Internet and Network Access
Acceptable Use Practice (AUP)**

Access to the public Internet can be a powerful and effective business and educational tool. But it also poses serious potential security risks to GISD computing and communications resources. The security risks generally result from the possibility of inappropriate use of the Internet. To minimize these risks, Genesee Intermediate School District has established standards, procedures and technical controls governing the use of the Internet and the (GISD) network. All GISD network system “users” must adhere to this Acceptable Use Practice (AUP) when using the network. For purposes of this AUP, “users” are defined as employees of GISD and other individuals authorized to use the GISD computing and communications networks. At a minimum, users are expected to act responsibly and in GISD’s best interests whenever they use GISD’s computing resources and communications networks, including:

- Accessing only those GISD computing and communication resources for which they are authorized;
- Using only those GISD computing and communication resources needed to perform job-related functions;
- Maintaining professionalism, personal responsibility, and a standard of “good taste” in all communications (e.g. among peers and in public forums); and
- Protecting GISD’s resources, reputation, and public image.

GISD Management Responsibilities

GISD management is responsible for determining who can access the Internet/network based on business need, and for providing general supervision of authorized users who are granted network/Internet access. This includes requiring that users understand and accept their individual obligations as set forth in this AUP. This agreement will be reviewed annually with employees.

Usage Provisions

The following usage provisions have been established to protect the GISD computing resources and communications networks. Their purpose is to assure that users are responsible and productive in their use of the Internet, including, without limitation, complying with all applicable laws, regulations and other legal requirements, and the GISD guidelines for employee conduct. In exchange for the privilege of using/accessing the GISD computing resources and communications networks, all GISD users understand and agree to the following:

1. Network resources are intended for the exclusive use of its registered/authorized users. Users are responsible for account passwords and privileges. Any problems that arise from the use of a staff member’s account are the responsibility of the account holder. Use of an account by someone other than the registered account holder is forbidden.
2. Users will maintain a professional demeanor in all Internet/network communications/access. Participation in any communications or other activities that may constitute harassment, political activity, personal profit or gain, or possible illegal activity is forbidden.
3. The district reserves the right to remove any material stored in files that are generally accessible to others and will remove any material the district, at its sole discretion, believes may be unlawful, offensive or disrespectful of others. User accounts/access will not be used to access, view, download, or otherwise gain access to such materials.
4. Network users will abide by all applicable laws and regulations, including laws and regulations pertaining to copyrights, trademarks, patents, data, and software protection. Installation of or copying of illegally licensed software via the GISD network or on GISD networked work stations is prohibited.
5. Authorized email accounts will be cleaned regularly by the account holder to avoid excessive use of the electronic mail disk space.
6. The district reserves the right to log network use and to monitor files server space utilization by users.
7. The sharing of personal information (e.g. name, address, email address, phone, etc) about any authorized GISD user without the permission of the user is forbidden.
8. The district does not guarantee the functions of the system will meet any specific requirement the user may have, or that it will be error free or uninterrupted, nor shall it be

- liable for any direct or indirect, incidental or consequential damages (including lost data, information, or time) sustained or incurred in connection with the use, operation, or inability to use the system.
9. Authorized users are expected to not engage in any activities that could disrupt or compromise the integrity or security, or otherwise result in the misuse of GISD computing resources and communications networks. Report all security breaches to GISD management.
 10. Use the Internet and the communications resources in a manner that minimizes cost to GISD while maximizing value and productivity for GISD business purposes.

Technical Controls

Access to the Internet may be made only via GISD approved firewalls. GISD approved firewalls are designed, operated, monitored, and regularly tested to support the following key technical security controls:

- Allow only authorized users to access the Internet
- Prevent any unauthorized user/system from compromising GISD systems or data;
- Provide audit trails of user/system activity
- Access to content on the Internet is protected by a content filter designed, monitored, and regularly tested to prevent access to inappropriate material.

Monitoring and Disciplinary Action

Users who are granted access to the Internet expressly consent to having their access monitored and recorded in accordance with applicable laws. Such monitoring and recording will be used to verify compliance with this AUP. All messages created, sent or received over the Internet are the property of GISD and should be considered as public information and not private.

GISD management in its sole discretion will determine what constitutes acceptable use of its communication networks and network connections, and reserves the right to block, alter priority, or terminate access to any service or activity. Accordingly, GISD management in its sole discretion may temporarily or permanently disconnect any user at any time. Users are advised that if possible illegal activity is detected, all communications, including text and image, and system records, may be provided to appropriate law enforcement officials or third parties without prior consent of, or notice to, the sender or receiver.

Additionally, failure to comply with this AUP may result in disciplinary action up to and including dismissal.

Signature acknowledges user has read and understands the terms and conditions of access and agrees to comply with the conditions as stated.

Employee Printed Name

Job Title

Building & Department Name

Your Phone Number

Employee Signature

Date

Supervisor Signature

Date

**RETURN COMPLETED FORM TO
TECHNOLOGY & MEDIA SERVICES - Davis Education Center**

2007-2008
GenNET ITV Student Survey



1. GenNET ITV Class: _____

2. GenNET ITV Teacher: _____

3. Student's High School: _____

4. Student's Grade Level: _____

5. Are you a send site or a receive site student? **Send** **Receive**

6. Have you participated in a GenNET ITV class before? **Yes** **No**

7. *If yes,*

Class: _____

Teacher: _____

School year: _____

8. Do you feel connected to students in your class including those at receiving sites? **Yes** **No**

How? _____

How not? _____

9. I took this GenNET ITV class because ... _____

10. What makes your GenNET ITV experience positive for you?

11. How does your GenNET ITV class compare to a regular class? _____

12. What communication has worked for you and your class?

- Email
- Face-to-face
- Phone call
- Blackboard
- Fax
- Other:

13. How have you used the computers in your GenNET ITV room? _____

14. Do you have access to a computer at home? **Yes** **No**

16. Do you have access to the Internet at home? **Yes** **No**

If yes, **Dial up** **DSL** **Cable**

17. How would you rate your GenNET class experience?

- Outstanding
- Good
- Moderate
- Fair
- Poor

18. What classes would you like to take on the GenNET ITV system? _____

19. Have you taken any GenNET ONLINE Internet classes? **Yes** **No**

20. If yes, which classes: _____

Other comments:



Student Online Course Evaluation

1. Course name:
2. Course provider? Aventa - Brigham Young - Florida Virtual School - Keystone – Northwestern - University of Nebraska - Virtual Greenbush
3. Your gender: Female or Male
4. What grade are you in? 7th, 8th, 9th, 10th, 11th, 12th
5. What were your grades like last year? Mostly A's, Mostly B's, Mostly C's, Mostly D's, Mostly F's
6. Have you taken an online course before? Yes or No
7. Do you own a computer at home? Yes or No
8. Where do you access the online course from most of the time? Home, School, Equally Home and School, Library, Other
9. Why are you taking this online course? Not Offered at High School, Scheduling Conflict, Making Up Credit, Special Medical Needs, Accelerating Graduation, Prefer Online
10. I was satisfied with the online course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
11. I was satisfied with the technical support and assistance I received for the online course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
12. I was satisfied with the amount of interaction I had with the online course teacher. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
13. I learned a lot from this online course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
14. The online course motivated me to learn more in this area. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
15. Course assignments were challenging, worthwhile and helped me learn about the subject. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
16. Directions for course assignments and study requirements were clear and specific, and I knew what I was supposed to do. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
17. The course grading system was fair. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
18. Compared to a regular high school course at my school, I liked the online course better. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
19. I would have preferred to take this course as a regular high school course at my school. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree

20. I would like to take other courses as online, individualized instruction. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
21. I would have preferred more structure in the course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
22. The instructor was sensitive to student difficulties with the course work. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
23. The instructor provided helpful feedback and assistance throughout the course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
24. The instructor encouraged me to communicate with her/him and other students during the course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
25. The instructor seemed to have a thorough knowledge of the subject. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
26. Compared to regular high school courses, the interaction with the online course instructor was sufficient to meet my needs. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
27. The difficulty of this online course was comparable to a regular high school course. Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
28. Would you take a online course again? Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
29. Would you recommend this course to others? Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
30. What did you like the most about this online course?
31. What did you like the least about this online course?
32. What changes would you recommend in this online course?
33. What other online courses would you like to have offered?