

# EDUCATIONAL TECHNOLOGY REPORT

## Overall progress as of January 2009

**Goal: 1.) Improvement of Student Achievement**

*Description:* A) All students enrolled in the Gateway School District will demonstrate academic proficiency in all curricular areas as prescribed by assessment measures aligned with state and national standards.

B) All students in the Gateway School District will attain the level of proficient or advanced in reading and math or meet the state growth standard in each of the aforementioned content areas.

***To assist in achieving Goal 1, the District has implemented new assessment tools including measures of academic progress to chart growth. We have also initiated several new interventions – Read 180 and Compass Learning to address student deficiencies. In addition, a district effort to reinforce and improve literacy skills aims to increase proficiency and critical study skills for all students.***

**Strategy:** Increase the use of technology to enhance teacher effectiveness and improve student achievement.

*Activities:*

Activity	Description	
Integrate data management systems into teacher planning	Training will be building and/or subject area specific for teachers using in-service time for data analysis and the use of technology to inform instruction. We will use a train-the-trainer model by having the Coordinator of Data Management and the CFF Coach provide grade level and team leaders, as well as department chairpersons, the tools and skills needed to assist colleagues in the use of technology for instruction and data analysis. We may also use outside experts from CDA, Frameworks, and third party providers based on software implementation as needed.	
Person Responsible	Timeline for Implementation	Resources
Dr. David Myers	Start:7/1/2008 Finish: 6/30/2011	\$100,000.00

Activity	Description	
Provide teachers access to and training in placing instructional materials on the Web	All teachers will be provided in-service training sessions on the use of Edline and GradeQuick as avenues for placing instructional materials on the web and making information available to students and parents. The sessions will be conducted by Digital Fluency Coaches (DFC) and coordinated by our Classrooms for the Future Coach. We use a train-the-trainer model and the expertise of our own staff members to gain buy-in and support from our teaching staff. The DFC are trained by the district CFF coach with the support of the Technology Coordinator and staff. The DFC then provide in-service sessions demonstrating and modeling the desired skills and strategies.	
Person Responsible	Timeline for Implementation	Resources
Mr. Brian Stamford	Start:7/1/2008 Finish: 6/30/2011	\$100,000.00

Activity	Description	
Update teacher presentation stations and supportive technology	With the assistance of Classrooms for the Future grants, the goal of the district is to create smart classrooms for each teacher using electronic presentation boards, projectors, and related peripherals to assist instruction. Our first focus is on the secondary schools to complement CFF efforts. We will follow through with the remaining buildings based on budget allowance and future grants. The building principals and technology committee also support teacher technology requests and initiatives based on curriculum-related needs.	
Person Responsible	Timeline for Implementation	Resources
Dennis Houlihan	Start:7/1/2008 Finish: 6/30/2011	\$525,000.00

**Strategy: Integrate Data Systems**

*Description:*

*Activities:*

Activity	Description	
Increase access to electronic data systems to stakeholders in order to make data-informed instructional decisions	We have provided teachers with a growing number of on-line data sources including CDA, Frameworks, E-metrics, 4Sight, DIBELS, Earobics, and Study Island. We will further expand the use of data through Compass Learning and Measures of Academic Progress (MAP) while providing teacher training to access and utilize the data. Our Coordinator of Data Analysis leads these efforts to open data sources to all teachers and to assist them in analyzing results to inform instruction and individualized plans.	
Person Responsible	Timeline for Implementation	Resources
David Myers	Start:7/1/2008 Finish: 6/30/2011	\$300,000.00

Activity	Description	
Train teachers to access data systems and make informed decisions	Our Coordinator of Data Analysis leads these efforts to open data sources to all teachers and to assist them in analyzing results to inform instruction and individualized plans. Overseen by the assistant superintendents, he works with the building principals, Technology Manager, and support technicians, as well as the Digital Fluency Coaches, grade-level and team leaders and department chairpersons to carry out meaningful and successful training efforts.	
Person Responsible	Timeline for Implementation	Resources
David Myers	Start:7/1/2008 Finish: 6/30/2011	\$120,000.00

**Goal: 4.) Communications**

*Description:* Communication among all stakeholders will be efficient, effective, and respectful.

***The Technology Department has connected all email accounts to Mozilla Thunderbird for greater efficiency. Technology work orders have been streamlined. A new two-way radio system was recently installed for emergency operations.***

**Strategy: Improve communication systems through the use of technology**

*Description:*

*Activities:*

<b>Activity</b>	<b>Description</b>	
Deploy a rapid notification system	Continue subscription to Constant Contact and expand the use of the Synevoice System. Explore third-party vendors for additional rapid notification systems using web-based technology.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Dennis Houlihan	Start: 7/1/2008 Finish: 6/30/2011	\$50,000.00

<b>Activity</b>	<b>Description</b>	
Enhance and update telephone and electronic communication systems	Upgrading from existing analog telephones to IP-based phones, added SSL encryption and new keys.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Dennis Houlihan	Start: 7/1/2008 Finish: 6/30/2011	\$205,000.00

<b>Activity</b>	<b>Description</b>	
Ensure a safe and equitable use of technology resources	Implement new acceptable use policies for students and all staff and informing new students and teachers of all policies. Maintain and enhance technology resources based on building needs in support of the curriculum.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Dennis Houlihan	Start: 7/1/2008 Finish: 6/30/2011	\$50,000.00

<b>Activity</b>	<b>Description</b>	
Provide teachers access to and training in placing instructional materials on the web.	All teachers will be provided in-service training sessions on the use of Edline and GradeQuick as avenues for placing instructional materials on the web and making information available to students and parents. The sessions will be conducted by Digital Fluency Coaches (DFC) and coordinated by our Classrooms for the Future Coach. We use a train-the-trainer model and the expertise of our own staff members to gain buy-in and support from our teaching staff. The DFC are trained by the district CFF coach with the support of the Technology Coordinator and staff. The DFC then provide in-service sessions demonstrating and modeling the desired skills and strategies.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Mr. Brian Stamford	Start: 7/1/2008 Finish: 6/30/2011	\$0.00

**Strategy: Upgrade District Hardware and Software***Description:**Activities:*

Activity	Description	
Develop and implement a system for hardware/software replacement	Follow a projected life-span cycle of all purchased equipment and develop a replacement cycle for the equipment. The life-span cycle may be modified based on technology advances, curriculum decisions, needs, and budget limitations.	
Person Responsible	Timeline for Implementation	Resources
Dennis Houlihan	Start:7/1/2008 Finish: 6/30/2011	\$275,000.00

Activity	Description	
Explore and purchase technology useful in attaining goals of the Strategic Plan	The purchase of technology must be reviewed each year to determine priorities for meeting curriculum needs. The technology committee submits the requests to the assistant superintendents to determine expenditures and to create a realistic plan for implementation.	
Person Responsible	Timeline for Implementation	Resources
Dennis Houlihan	Start:7/1/2008 Finish: 6/30/2011	\$100,000.00

**Goal: 5.) Building Human Capacity**

*Description:* The Gateway School District will actively recruit and seek to retain highly qualified individuals at all levels of the organization.

***To secure the expertise of our technology specialists, new pay structures were established.***

**Strategy: Continue Efforts in Professional Development***Description:**Activities:*

Activity	Description	
Ensure that every teacher knows how to use technology to provide data-informed instruction and to improve student achievement	Training will be building and/or subject area specific for teachers using in-service time for data analysis and the use of technology to inform instruction. We will use a train-the-trainer model by having the Coordinator of Data Management and the CFF Coach provide grade-level and team leaders, as well as department chairpersons, the tools and skills needed to assist colleagues in the use of technology for instruction and data analysis. We may also use outside experts from CDA, Frameworks, and third party providers based on software implementation as needed.	
Person Responsible	Timeline for Implementation	Resources
Dr. David Myers	Start:7/1/2008 Finish: 6/30/2011	\$250,000.00

<b>Activity</b>	<b>Description</b>	
Provide employees access to online professional development opportunities	All CFF teachers must complete 30 hours of on-line PDE approved courses; other teachers will be encouraged to pursue on-line courses related to their subject area or grade-level needs. Act 183 grant on-line training opportunities via the AIU and RWAN consortium will also be utilized as they become available.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Mr. Brian Stamford	Start:7/1/2008 Finish: 6/30/2011	\$150,000.00

<b>Activity</b>	<b>Description</b>	
Provide technology support to staff	Using an on-line ticket system, staff will gain greater access to problem reporting, troubleshooting tips, technology support staff, and training videos to address multiple issues with both hardware and software.	
<b>Person Responsible</b>	<b>Timeline for Implementation</b>	<b>Resources</b>
Dennis Houlihan	Start:7/1/2008 Finish: 6/30/2011	\$100,000.00