

Progress Review: 2006 State of Michigan Educational Technology Plan

In March 2006, the State Board of Education approved the State of Michigan Educational Technology Plan, which the Department of Education (MDE) used as an implementation guide for increasing the capacity of schools, libraries, educators, students, and stakeholders to effectively use educational technology and data to improve student academic achievement. In October 2009, MDE recommended to the State Board an update to the 2006 Plan based on its overall goals and objectives.

This review document provides the State Board of Education and other stakeholders with a brief review of the 2006 goals, strategies, and action steps, the status of each, and if incorporated, where these items can be found in the 2010 Plan.

This report was prepared by the Educational Technology and Data Coordination unit of the Office of Education Improvement and Innovation, Michigan Department of Education.

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 1 – Leadership</i> Michigan will provide leadership for educational technology in order to expand and develop transformative learning environments that increase student achievement.</p>	<ul style="list-style-type: none"> • <i>Moved to “Goal 2 – Leadership” to match Michigan SIF</i> • <i>Ongoing</i> • <i>Language updated</i>
<p><i>Goal 1, Strategy 1</i> Strengthen and coordinate leadership for educational technology at the state level.</p> <p><i>Performance Indicator</i> The Coalition for Educational Technology and a high level Michigan Department of Education (MDE) leadership position in educational technology are in place.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i> 1. MDE will establish a position of Chief Educational Technology Officer, reporting at a top level in the organization, to provide leadership in the field of educational technology.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. MDE will create an advisory group, called the “Coalition for Educational Technology,” comprised of representatives from statewide organizations, higher education, and professional associations to facilitate the coordination of technology initiatives and programs to benefit students and educators.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. The Chief Educational Technology Officer will lead the Coalition for Educational Technology and utilize it as the key group for guiding and coordinating the implementation of this plan, including its evolution and updating throughout its stated period.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>4. MDE will encourage cooperation and coordination between and among the ISDs and local districts to leverage educational technology resources.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
5. The State Superintendent will examine ways to enhance communication and coordination between MDE and other state agencies to ensure effective implementation of statewide technology projects.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Merged into more specific areas of work</i>
<p><i>Goal 1, Strategy 2</i></p> <p>All Michigan educators will achieve Michigan Educational Technology Standards for Teachers (METS-T) or Michigan Educational Technology Standards for Administrators (METS-A) proficiency.</p> <p><i>Performance Indicator</i></p> <p>All Michigan educators will demonstrate METS-T or METS-A proficiency.</p>	<ul style="list-style-type: none"> • <i>Moved to Goal 3, Strategy 1</i> • <i>Achieved (Seventh standard, Michigan Professional Standards for Teachers)</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <p>1. The State Board of Education will adopt a set of state standards for technology literacy for teachers and administrators.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. Professional learning activities aligned with the Michigan Educational Technology Standards will be offered across the state on a regional basis to enable educators to increase their knowledge and effective use of educational technology resources to improve achievement. A special emphasis will be placed on the knowledge and use of assistive technology and universal design.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. MDE will develop a program to recognize exemplary educational technology leaders who model and apply technology in support of student learning and achievement.</p>	<ul style="list-style-type: none"> • <i>Removed</i> • <i>Note: MACUL already has a similar program.</i>

2006 Goal, Strategy, and Action Steps

Goal 1, Strategy 3

Coordinate the development of rubrics for assessing teacher use of technology delivering instruction, including the use of assistive technology and the philosophy of Universal Design for Learning (UDL), ensuring information literacy, and managing instruction to improve student achievement.

Performance Indicator

Rubrics will be established to provide degrees of proficiency for the effective teacher use of technology to deliver instruction, including assistive technology and the philosophy of Universal Design for Learning, ensuring information literacy, and managing instruction to improve student achievement.

Action Steps

1. MDE will invite representatives of statewide professional associations and organizations, and higher education to participate in the development of rubrics for assessing teacher use of technology delivering instruction, including assistive technology and the philosophy of UDL, ensuring information literacy, and managing instruction to improve student achievement.
2. MDE will identify and recognize model school districts that have implemented the rubrics to advance student achievement.
3. MDE will identify model school districts that have implemented the rubrics and whose school leaders and policy makers demonstrate their active support of information literacy skill development as key to student achievement, professional learning, enhanced productivity, and preparation for lifelong learning.

Status

- *Merged with Goal 3, Strategy 1*
- *Work ongoing*
- *Language updated*

- *Work ongoing*
- *Language updated*

- *Removed; MDE is moving away from recognition programs.*
- *Removed; MDE is moving away from creating recognition programs.*

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 1, Strategy 4</i> Generate model processes to assist school districts in developing a knowledge base for building and sustaining their capacity for systematic technology acquisition, integration, and replacement.</p> <p><i>Performance Indicator</i> Model processes will exist to enable school districts to develop a knowledge base for building and sustaining their capacity for systematic technology acquisition, integration, and replacement.</p>	<ul style="list-style-type: none"> • <i>Integrated into Goal 2, Strategies 2 and 3</i> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <ol style="list-style-type: none"> 1. The Coalition will develop model processes to assist school districts to systematically acquire, integrate, and replace educational technology. 2. The Coalition will identify and design professional learning opportunities to help school board members understand the importance of utilizing educational technology as a tool for student learning and to administer school districts. 	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i> • <i>Moved to help create "Goal 4: School and Community Relations"</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal 2 – Digital Citizenship</i> Every Michigan student will be proficient in technology and will demonstrate the ethical use of technology as a digital citizen and lifelong learner.</p>	<ul style="list-style-type: none"> • <i>Moved to "Goal 1 – Teaching for Learning"</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 2, Strategy 1</i> Develop for students a digital citizenship definition and curriculum for state-wide use that are aligned with Michigan Curriculum Framework (MCF) benchmarks, Grade Level Content Expectations (GLCEs) and Michigan Educational Technology Standards (METS).</p> <p><i>Performance Indicator</i> All students will demonstrate proficiency in digital citizenship and ethical use of technology and information allowing them to become lifelong learners.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <ol style="list-style-type: none"> 1. Michigan Digital Citizenship Curriculum will be developed supporting the delivery of the Michigan Curriculum Frameworks (MCF), and the Grade Level Content Expectations (GLCEs). 2. The Michigan Digital Curriculum will be evaluated and adjusted annually. 	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i> • <i>Removed; call for separate curriculum runs opposite to technology integration goals.</i>
<ol style="list-style-type: none"> 3. The Michigan Digital Citizenship Curriculum should embody a broad awareness of other cultures from a global perspective. <p><i>Goal 3 – Student Learning</i> Every Michigan student will have meaningful technology-enabled learning opportunities based on research and best practice that include virtual learning experiences.</p>	<ul style="list-style-type: none"> • <i>Removed; call for separate curriculum runs opposite to technology integration goals.</i> • <i>Moved to “Goal 1: Teaching for Learning”</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 3, Strategy 1</i> Identify and disseminate meaningful technology-enabled strategies to improve student achievement and learning in a global society.</p> <p><i>Performance Indicator</i> All students are provided meaningful technology-enabled learning opportunities.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i> 1. MDE will identify and disseminate best practices in technology-enabled teaching and learning environments that will include the use of assistive technology and Universal Design for Learning.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. MDE will encourage research and evaluation to produce data that focuses on the growing use of Internet-based teaching and learning environments by educators and students.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. The Coalition will identify areas where technology demonstrates promise in increasing or improving student achievement through the effective and efficient use of data.</p>	<ul style="list-style-type: none"> • <i>Removed; redundant</i>
<p>4. MDE and the Coalition will work with Michigan colleges and universities in partnerships with classroom teachers to research and explore a variety of customized and individualized delivery systems, including e-learning, virtual schools, simulations, and action game delivery systems.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p>5. The Coalition will bring together groups that will work collaboratively in identifying technology-based test preparation tools that integrate student assessments, self-paced instructional content and educator resources aligned to state standards and content expectations.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 3, Strategy 2</i> Provide the necessary resources for a meaningful technology-enabled learning environment for all students.</p> <p><i>Performance Indicator</i> All students will have ubiquitous access to technology, assistive technology, and information resources throughout their learning day.</p>	<ul style="list-style-type: none"> • <i>Moved and combined into Goal 1, Strategies 2 and 4</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <p>1. MDE will support the development of a plan to enable ubiquitous student and teacher access to technology, assistive technology, and information resources by identifying and utilizing state, national, and international best practices in technology-enabled learning environments and UDL.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language used to strengthen other areas of the 2010 plan</i>
<p>2. MDE will emphasize the infusion of educational technology, including assistive technology devices and services, throughout the newly required high school curriculum recommended by the State Board of Education.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Language updated</i>
<p><i>Goal 3, Strategy 3</i> All students will have the opportunity to participate in real-life experiences associated with technology-related careers.</p> <p><i>Performance Indicator</i> Students will be provided opportunities to develop technical expertise to compete in a global marketplace.</p>	<ul style="list-style-type: none"> • <i>Moved and combined into Goal 1, Strategies 2 and 3</i> • <i>Achieved</i> • <i>Ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <p>1. MDE, in partnership with other agencies, will develop and support technology mentorship programs to empower students in real-life experiences and provide community/school service credit.</p>	<ul style="list-style-type: none"> • <i>Removed</i>
<p>2. The Coalition will work with ISDs and Regional Educational Service Agencies (RESAs) to develop mentoring programs for students that offer technology related certifications.</p>	<ul style="list-style-type: none"> • <i>Removed</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 3, Strategy 4</i></p> <p>Promote and support the expectation that every student in Michigan, including students with special needs, be provided with the opportunity to learn in a virtual environment as a strategy to build 21st century learning skills.</p> <p><i>Performance Indicator</i></p> <p>Prior to graduation from high school, every Michigan student will benefit from learning and using technology-based virtual tools and resources such as those required to complete an online course for credit or non-credit or complete an online learning experience.</p>	<ul style="list-style-type: none"> • <i>Moved to Goal 1, Strategy 3</i> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <p>1. MDE, MVHS and other providers, MACUL, the REMC Association, and others will actively promote the value of virtual learning environments to educators, parents, students, and policy makers.</p>	<ul style="list-style-type: none"> • <i>Removed; language was too ambiguous.</i>
<p>2. The Coalition will prepare a feasibility study to determine the value of developing an online international academy to foster global ... educational opportunities, including language and cultural experiences, for Michigan's students.</p>	<ul style="list-style-type: none"> • <i>Removed; focus shifted to providing all students with online learning.</i>
<p>3. As recommended by the State Board of Education, every Michigan student will complete at least one on-line credit or non-credit course or learning experience in order to graduate.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Language strengthened</i>
<p>4. MDE will adopt and implement flexible policies that facilitate the role of the MVHS and other providers to deliver Michigan-based as well as global online learning opportunities for Michigan's schools.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language strengthened</i>
<p>5. MDE, working in collaboration with MVHS and other statewide organizations, will provide and coordinate state, national, and global distance learning opportunities.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 4 – Data Driven Decisions</i> Every Michigan educator will use data effectively for classroom decision making and school improvement planning through an integrated local and statewide decision support system.</p>	<ul style="list-style-type: none"> • <i>Moved to “Goal 5: Data and Information Management”</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal 4, Strategy 1</i> Simplify the process of data collection for compliance and decision support at all levels, from the classroom to the state.</p> <p><i>Performance Indicator</i> ISD, LEA, and PSA staff members will be able to log on to a secure online system and submit data to the state through an easy-to-use environment.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i> 1. The Center for Educational Performance and Information (CEPI) will work with local school districts and other state agencies to identify duplicative sources of data collection.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. CEPI will work with local districts and state agencies to integrate multiple data source systems and align data collection calendars to streamline the data collection process and reduce duplicative data reporting.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. CEPI will work with state agencies and local districts to extend unique identification codes for student and educational personnel across educational data source systems, including pre-kindergarten through university/college/adult education students, and use these identification codes to track data longitudinally over time.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p>4. CEPI, state agencies, and local districts will work together to exchange data to pre-populate data collection source systems to help eliminate duplicative data entry.</p>	<ul style="list-style-type: none"> • <i>Removed; redundant</i>

2006 Goal, Strategy, and Action Steps	Status
5. CEPI will provide role-based, secure access to appropriate data from a single web site for specific users such as teachers, parents, and administrators.	<ul style="list-style-type: none"> • <i>Moved to "Goal 4: School and Community Relations"</i> • <i>Work ongoing</i> • <i>Language updated</i>
6. CEPI will collaborate with ISDs to ensure system interoperability by creating common formats of data elements shared at the federal, state, and district levels.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Removed</i>
7. CEPI, with vendors, ISDs, and the Department of Information Technology (DIT), will collaborate to automate connections between databases to replace manual updates by 2008.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Language removed</i>
<p><i>Goal 4, Strategy 2</i> <i>Identify, connect, and combine educational data elements in meaningful ways across various sources (e.g., personnel, financial, crime and safety, schools/facilities, and student data including assessment information and results) and longitudinally over time so that administrators and educators have the information they need to increase efficiency and improve student learning.</i></p> <p><i>Performance Indicator</i> <i>A collaboration of State of Michigan agencies, led by CEPI, will plan and implement a comprehensive educational data management and Decision Support System (DSS) that will meet federal and state reporting requirements and timelines.</i></p>	<ul style="list-style-type: none"> • <i>Moved to Goal 5, Strategy 2</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>Action Steps</p> <p>1. CEPI will establish a plan to integrate the data systems necessary to educational decision support so that administrators and educators have the information they need to increase efficiency and improve student learning.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
2. CEPI will gather requirements from stakeholders to identify and include data elements that should be connected and stored longitudinally, as well as the data outputs and reports that are critical to data driven decision making to set policy and ensure appropriate resource allocation to improve student achievement.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language incorporated into action step 5.2.2</i>
3. CEPI, in collaboration with ISDs, will secure funding for a state-level longitudinal educational Decision Support System (DSS) that will provide primary DSS functionality for districts and ISDs that do not have local systems.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language incorporated into action step 5.2.1</i>
4. CEPI, in collaboration with ISDs, will ensure that there is vertical integration between the state and local DSS implemented by ISD and LEA districts.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
5. CEPI, in collaboration with other state agencies, will connect and combine student assessment data in the state-level DSS to meet the 2007 NCLB longitudinal assessment requirements.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Removed</i>
6. CEPI, in collaboration with other state agencies, will connect and combine Single Record Student Database (SRSD) data to enable the calculation of a four-year cohort graduation and dropout rate to meet Michigan's NCLB accountability timeline for 2007.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Removed</i>
7. CEPI, in collaboration with state agencies and ISDs, LEAs, and PSAs, will revise existing educational personnel data systems to support the collection and reporting to ensure that highly qualified teachers are in Michigan's classrooms to meet NCLB requirements.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
8. CEPI, in collaboration with ISDs, LEAs, PSAs, Michigan's teacher preparation institutions, and other state agencies (e.g., Office of Retirement Services) will work to integrate data sources that can be used to assess teacher supply and demand.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 4, Strategy 3</i> Provide timely return of “connected” data to all educational stakeholders as well as professional learning opportunities to help them understand how to use the data to improve student achievement.</p> <p><i>Performance Indicator</i> Every educator and educational stakeholder will have access to high quality, timely data and use that data effectively for classroom decision making and the allocation of resources across schools/facilities, districts, and the state for the purpose of improving teaching, learning, and setting educational policy.</p>	<ul style="list-style-type: none"> • <i>Moved to Goal 5, Strategy 3</i> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>Action Steps</p> <p>1. CEPI will work collaboratively with other state agencies, ISDs, REMCs, education associations, and grant-funded projects to develop and provide professional learning opportunities for MDE staff and educators on how to use data effectively for classroom decision making and school improvement planning.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. Educators will use assessment results in determining needs for differentiating student instruction.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. CEPI and other state agencies will work with educational stakeholder associations to develop and provide professional learning opportunities for Michigan administrators for using data from both administrative and instructional systems to understand relationships between decisions, allocation of resources, and student achievement.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language combined with action step 5.3.3</i>
<p>4. CEPI, MDE, and other state agencies will collaborate with educational stakeholders including parents, policymakers, and the general public to build data tools and reports to help them understand available educational data and the relationship between decisions, allocation of resources, and student achievement.</p>	<ul style="list-style-type: none"> • <i>Moved to Goal 4: School and Community Relations</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 5 – Professional Learning</i> Every Michigan educator will have the technology competencies to enable the transformation of teaching and learning to improve student achievement.</p>	<ul style="list-style-type: none"> • <i>Moved to “Goal 3 – Professional Learning”</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal5, Strategy 1</i> Provide professional learning opportunities for all educators related to integrating technology, focusing on improving student learning and meeting the Michigan Educational Technology Standards for Teachers (METS-T) and the No Child Left Behind requirements.</p> <p><i>Performance Indicator</i> All educators are trained to routinely use a core body of technologies that align with standards (METS-T) that support student learning, and technology systems for analysis of data to make data-driven decisions which enhance student learning.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i> 1. Educational technology should be infused in all professional learning activities whenever appropriate.</p>	<ul style="list-style-type: none"> • <i>Removed; ambiguous</i>
<p>2. Under the leadership of MDE and the Coalition, a needs assessment will be developed/identified regarding technology competencies of teachers and administrators based on the METS. Funding will be sought to implement a state-wide assessment.</p>	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. The Coalition will advocate for a revision of the Michigan School Code to include a portion of the required professional development for teachers and administrators be dedicated to developing and enhancing technology integration competencies for improving student learning.</p>	<ul style="list-style-type: none"> • <i>Removed; focus placed on activities with MDE’s scope of responsibilities.</i>
<p>4. A representative from the Coalition will serve on the MDE Professional Development Strategic Planning Committee.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Removed</i>

2006 Goal, Strategy, and Action Steps	Status
5. MDE will provide for educators an electronic "Individualized Professional Learning Portfolio" including educational technology activities (e.g. Michigan LearnPort).	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
6. MDE will collaborate with statewide groups in the development of ongoing professional development in technology proficiency and curriculum integration.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
7. MDE will provide professional learning opportunities relating to the collection and use of student data for decision-making related to student achievement.	<ul style="list-style-type: none"> • <i>Removed; duplicative</i>
8. The Coalition will develop a technology mentoring infrastructure with educators mentoring educators in supporting the utilization of technology and troubleshooting technology in the classroom.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Removed</i>
9. MDE will pursue policies that foster the expansion of online professional learning opportunities for all educators and support personnel through online portals such as Michigan LearnPort.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
10. Funding for the continuation of Michigan Teacher Network will be provided.	<ul style="list-style-type: none"> • <i>Removed</i>
11. Educators will use technology resources that are identified and included on the Michigan Teacher Network as supported and aligned with the Michigan Curriculum Framework (MCF), METS, and the Grade Level Curriculum Expectations (GLCE).	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Removed; similar language found in other action steps.</i>

	2006 Goal, Strategy, and Action Steps	Status
<p><i>Performance Indicator</i> Administrators and other curriculum/instructional leaders demonstrate skill in assisting and supporting teachers to integrate technology that maximizes student learning.</p>	<p>administrators with ongoing professional learning opportunities that will help them to integrate technology that maximizes student learning.</p>	<ul style="list-style-type: none"> Removed; language broadened to include all educators
<p><i>Action Steps</i> 1. MDE, in collaboration with ISDs, REMCs, colleges, universities, and professional organizations, will create and deliver professional learning opportunities for administrators that will be based on the METS-A.</p>		<ul style="list-style-type: none"> Removed; language broadened to include all educators
	<p>2. The Coalition will advocate for leadership for technology integration supporting improved student learning within administrator preparation programs.</p>	<ul style="list-style-type: none"> Removed; language broadened to include all educators
	<p>3. Members of the Coalition will meet with deans and directors of schools of higher education to urge them to enhance the technology preparation of school leaders.</p>	<ul style="list-style-type: none"> Removed; language broadened to include all educators
	<p>4. Members of the Coalition will work with administrative professional associations to coordinate sessions at their annual conferences and regional learning forums.</p>	<ul style="list-style-type: none"> Removed; language broadened to include all educators
<p><i>Performance Indicator</i> All teacher candidates demonstrate skills in utilizing technology, including assistive technology, to improve student learning prior to certification.</p>	<p>Goal 5, Strategy 3 Ensure that teacher preparation institutions are preparing all mastery of the Entry Level Standards for Michigan Teachers (7th Standard).</p>	<ul style="list-style-type: none"> Combined into Goal 3, Strategy 1

2006 Goal, Strategy, and Action Steps	Status
<i>Action Steps</i>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Removed</i>
1. MDE and the Consortium for Outstanding Achievement for Teaching with Technology (COATT) will develop models for effective implementation of the 7th Standard in teacher preparation programs and methods to evaluate the technology integration skills of teacher candidates.	
2. MDE will work with state teacher preparation institutions to integrate online learning in their programs and to prepare their graduates to understand online learning.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language strengthened</i>
3. MDE will provide funding for the continuation of COATT.	<ul style="list-style-type: none"> • <i>Removed</i>
4. The State Board of Education will require institutions of higher education that prepare teachers to ensure that all graduates are proficient in the use of assistive technology and the theory of Universal Design for Learning to meet the learning needs of all students.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
<i>Goal 5, Strategy 4</i>	<ul style="list-style-type: none"> • <i>Moved to Goal 3, Strategy 3</i>
Provide professional learning activities for Michigan Department of Education staff relating to technology integration.	
<i>Performance Indicator</i>	
MDE staff attends technology integration professional learning activities.	
<i>Action Steps</i>	<ul style="list-style-type: none"> • <i>Removed</i>
1. Members of the Coalition will provide a series of monthly (beginning 2006-2007 school year) "Lunch and Learn" technology presentations inviting all MDE staff.	
2. During the 2007-2008 and 2008-2009 school years, the Coalition will facilitate workshops on specific technology integration topics for the MDE staff.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
3. The Coalition will provide ongoing consultation and assistance for key MDE staff.	<ul style="list-style-type: none"> • <i>Removed</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 6 – Broadband Access</i> Every Michigan classroom will have broadband Internet access to enable regular use of worldwide educational opportunities.</p>	<ul style="list-style-type: none"> • <i>Integrated into “Goal 2 – Leadership”</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal 6, Strategy 1</i> Provide broadband access to all classrooms by creating partnerships with state organizations, educational agencies, and providers, and expand outreach efforts to schools encouraging them to apply for eRate funding.</p> <p><i>Performance Indicator</i> Every classroom has a minimum of 1.5MB connectivity to each computer device.</p>	<ul style="list-style-type: none"> • <i>Integrated into “Goal 2 – Leadership”</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <ol style="list-style-type: none"> 1. The Coalition, in conjunction with various State of Michigan agencies, will encourage providers to offer local school districts equitable and affordable broadband access to each building and classroom. <hr/> <ol style="list-style-type: none"> 2. MDE will establish partnerships with the appropriate state and local agencies to acquire grants and private and federal resources for narrowband schools to expand access to and use of broadband technology. <hr/> <ol style="list-style-type: none"> 3. MDE will collaborate with REMCs and ISDs on outreach to schools, informing them of eRate opportunities. 	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i> <hr/> <ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language incorporated into action step 2.2.3</i> <hr/> <ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal 6, Strategy 2</i> Provide broadband access to global resources for students after school.</p> <p><i>Performance Indicator</i> Every student will have access to broadband Internet through multiple locations.</p>	<ul style="list-style-type: none"> • <i>Integrated into “Goal 2 – Leadership”</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Action Steps</i></p> <p>1. The Coalition will encourage ISDs and local districts and governments to create partnerships with Internet service providers to provide students and educators either free or low cost access in the community to Internet resources in an effort to support the classroom activities occurring during the instructional day. Community wireless projects are meant to supplement, not replace, the school's secure infrastructure.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. The Coalition will encourage ISDs and local districts to create partnerships with higher education, libraries, and community centers to provide students/educators Internet access in the community.</p>	<ul style="list-style-type: none"> • <i>Removed</i>
<p><i>Goal 7 – Shared Resources</i></p> <p>Every Michigan educator and learner will have equitable and sustained access, through statewide coordination and support, to resources necessary to transform teaching and learning through educational technology.</p>	<ul style="list-style-type: none"> • <i>Integrated into Goal 2-Leadership</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal 7, Strategy 1</i></p> <p>Provide statewide access to educational technology resources for the purpose of transforming teaching and learning.</p> <p><i>Performance Indicator</i></p> <p>All educators and learners access and routinely use high quality online resources as part of the teaching and learning process.</p>	<ul style="list-style-type: none"> • <i>Integrated into Goal 2-Leadership</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i></p> <p>1. MDE will work with the REMC Association and other state agencies to provide Michigan schools with universal access to high quality digital instructional content by negotiating statewide licensing agreements.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
2. The Coalition and relevant stakeholders will work to establish and maintain a statewide multipoint, interactive video conferencing system.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>
3. The Coalition will work to establish a web portal that supports all educators in the transformation of education through technology. The portal will be easily accessible and support such items as: curriculum and lesson materials, professional development, research to support educational technology, and technology resources correlated to the Michigan Curriculum Framework and Grade Level Content Expectations, (e.g., LearnPort and Michigan Teacher Network).	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Language is incorporated in other goal areas and action steps.</i>
4. MDE, MVU, and the Michigan Department of Labor and Economic Growth will work collaboratively with Michigan's education community to design and develop an online General Educational Development (GED) program.	<ul style="list-style-type: none"> • <i>Removed; MDE's focus is on Michigan Merit Curriculum requirements.</i>
<p><i>Goal 7, Strategy 2</i> Coordinate and provide statewide resources for technology support so that teaching and learning can be transformed seamlessly.</p> <p><i>Performance Indicator</i> All educators have access to and regularly use technology support, including local and statewide resources.</p>	<ul style="list-style-type: none"> • <i>Removed; beyond MDE scope</i>
<p><i>Action Steps</i></p> <p>1. The Coalition in collaboration with vendors will provide access to online resources to provide effective and efficient means to resolve technical issues on commonly used software and hardware packages.</p>	<ul style="list-style-type: none"> • <i>Removed; beyond MDE scope</i>
2. The Coalition will review and update the Technical Staffing Guidelines to support innovative educational opportunities in the classroom while still maintaining established educational technology programs.	<ul style="list-style-type: none"> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 8 – Funding</i> Michigan will develop innovative methods of funding to transform and sustain teaching and learning through educational technology and build local, regional, and statewide capacity.</p>	<ul style="list-style-type: none"> • <i>Integrated into “Goal 2 – Leadership”</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Goal 8, Strategy 1</i> The Michigan Department of Education (MDE) will provide seed money for developing innovative technology enhanced programs.</p> <p><i>Performance Indicator</i> Funding from the Michigan Department of Education is provided to develop and disseminate information on innovative educational programs that demonstrate impact on student learning.</p>	<ul style="list-style-type: none"> • <i>Integrated into “Goal 2 – Leadership”</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i> 1. MDE will secure funding for a statewide web portal that supports curriculum, lesson materials, professional learning, and research.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>2. State funds will be identified to support educational technology grants that develop new initiatives, and support innovative programs and professional learning opportunities.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p>3. State funds will be identified to support grants for educational technology that develop new initiatives through a “revolving loan program,” which would allow districts to borrow state money to purchase technologies for innovative educational programs.</p>	<ul style="list-style-type: none"> • <i>Removed; state financial situation makes action step unlikely</i>
<p>4. MDE and the Coalition will work to foster innovative projects aligned with the plan and utilizing educational technology by establishing partnerships with educators, university/college researchers, and corporate advocates of educational technology to propose and carry out projects with grant funding from federal agencies and/or private foundations.</p>	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>

2006 Goal, Strategy, and Action Steps	Status
<p><i>Goal 8, Strategy 2</i> Provide funding to help schools identify, adopt, and begin sustainable exceptional educational technology practices and communicate these findings to all state educators.</p> <p><i>Performance Indicator</i> Schools will be able to identify, adopt, and sustain exceptional programs that use technology that can be funded by long-term resources.</p>	<ul style="list-style-type: none"> • <i>Removed; duplicative with Professional Learning goals</i>
<p><i>Action Steps</i> 1. MDE will assist districts in securing funding to sustain proven innovative projects.</p>	<ul style="list-style-type: none"> • <i>Removed</i>
<p>2. MDE and the Coalition will identify funding for the continued development of existing professional learning opportunities that use technology.</p>	<ul style="list-style-type: none"> • <i>Removed</i>
<p>3. The Coalition will identify training and leadership to assist local schools seeking funding for large-scale transitions of educational technology by: identifying possible funding sources, determining implementation costs, and developing a plan for the long-term support of their educational technology program.</p>	<ul style="list-style-type: none"> • <i>Removed</i>
<p><i>Goal 8, Strategy 3</i> Provide funding to sustain innovation, maintain state and local technology infrastructure, and support effective leadership for proven educational technology programs.</p> <p><i>Performance Indicator</i> Funding is identified to enhance the infrastructure at the state, ISDs/RESA/REMCs and local school district level.</p>	<ul style="list-style-type: none"> • <i>Integrated into "Goal 2 – Leadership"</i> • <i>Work ongoing</i> • <i>Language updated</i>
<p><i>Action Steps</i> 1. MDE will identify state and federal appropriations for statewide projects that have proven to be successful but require ongoing fiscal support.</p>	<ul style="list-style-type: none"> • <i>Removed</i>

2006 Goal, Strategy, and Action Steps	Status
2. The Coalition will assist in the identification and formation of partnerships with business and industry that can help fund educational technology programs in the state.	<ul style="list-style-type: none"> • <i>Removed</i>
3. The Coalition will work with the Legislature to develop a revenue producing vehicle that incorporates the state funding of bonds and other revenue producing means.	<ul style="list-style-type: none"> • <i>Removed</i>
4. The MDE will work with stakeholders to develop and implement a statewide Educational Technology Foundation to fund technology programs.	<ul style="list-style-type: none"> • <i>Removed</i>
5. MDE will encourage, assist, and train all ISDs/RESAs and local school districts to file appropriate eRate forms to receive reimbursements available through this national program.	<ul style="list-style-type: none"> • <i>Language combined into broadband strategy</i>
6. MDE will encourage local school districts and ISDs to continue to utilize cooperative purchasing programs for equipment, supplies, and services.	<ul style="list-style-type: none"> • <i>Achieved</i> • <i>Work ongoing</i> • <i>Language updated</i>
7. MDE will work with the Governor and the State Legislature to establish state-level funding for leadership in educational technology at MDE, including both staff support and funds for grants to ISDs, RESAs, and LEAs and other investments as described in this plan, including the above three funding strategies and associated action steps, to be at least double the current state-level funding from all sources. MDE will seek the input of the Coalition for Educational Technology in identifying priorities for this funding.	<ul style="list-style-type: none"> • <i>Removed</i>