

# A REPORT TO THE LEGISLATURE

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■ ■ ■ Prepared by Michigan Virtual University ■ ■ ■

December 1  
2009



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*Michigan Virtual University®* is a private, not-for-profit Michigan corporation established in 1998 to deliver online education and training opportunities to the citizens of Michigan. It is the parent organization of the *Michigan Virtual School™* and *Michigan LearnPort®*. MVU is governed by a board of directors representing the business and education communities.

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Prepared by Michigan Virtual University

December 1, 2009

This report is submitted in compliance with Section 98 (8) of Public Act 268 of 2008, which requires the *Michigan Virtual University (MVU)* to provide not later than December 1, 2009, a report to the House and Senate Appropriations Subcommittees on State School Aid, the State Budget Director, the House and Senate Fiscal Agencies and the Department of Education, specific information related to the *Michigan Virtual School* for the preceding state fiscal year.

## Background

The *Michigan Virtual School (MVS)*® is a division of *MVU*, a 501(c)3 nonprofit organization that works in partnership with K-12 schools to supplement and expand online learning opportunities. The *MVS* was created by Public Act 230 of 2000 to serve both traditional and nontraditional students, and during 2008-09 had over 18,900 course registrations. This represents an increase in enrollments of 7,900 over 2007-08. The *MVS* offers a broad range of core academic courses aligned with state standards, college-level equivalent courses, remedial, enrichment and world language courses, and other innovative online experiences. Other *MVU* services include *Michigan LearnPort*®, a statewide Web-based professional development system with more than 49,300 registered user accounts that provides online courses and training for Michigan educators and school employees; and *myDreamExplorer*® (*MDX*) a rich collection of online career exploration and planning resources that supported over 27,700 middle and high school students during 2008-09.

Funding for the *MVS* is provided through a combination of annual appropriations from the Legislature, reduced course fees charged to enrolling schools and private grant funds. The *MVS* does not grant course credit or award diplomas independently, but works in partnership with local and intermediate school districts which award credit or diplomas. In 2005 the *MVS* was awarded accreditation by the North Central Association Commission on Accreditation and School Improvement (NCA CASI) and the Commission on International and Trans-Regional Accreditation (CITA). Both accreditation organizations are divisions of AdvancED®. The *MVS* continues to be recognized as one of the leading virtual schools in the U.S. and it works in collaboration with a national network of K-12 online learning organizations to support the development of high quality programs and services for students and educators.

## Scope of the Report

The information provided in this report addresses the six specific requirements that are listed in Section 98 (8) of P.A. 268 of 2008. These items include the schools served by the *MVS*, online course titles available to Michigan schools, course enrollment, registration and completion rates by course, the overall completion rate percentage, grant expenditure information for the period October 1, 2008 - September 30, 2009 and the identification of unmet needs that could be addressed by the *MVS*. Supplemental information is included in this report that summarizes 2008-09 expenditures for two federal grants that support *MVU* online learning programs.

## Michigan Schools Served by the MVS

From October 1, 2008 - September 30, 2009 the *MVS* served students enrolled in 566 Michigan local education agencies (LEAs), public school academies (PSAs), intermediate school districts (ISDs) and nonpublic schools, including schools that have been identified by the Michigan Department of Education (MDE) as not meeting adequate yearly progress (AYP). This number represents a 14 percent increase in schools served from the previous year. Figure 1 provides a geographic representation of the public and nonpublic schools that enrolled students in the *MVS* during 2008-09. Schools in 77 of the state's 83 counties were supported with *MVS* online courses and programs. A complete list of the Michigan schools and school districts served during 2008-09 is included in Exhibit 1. In addition, the *MVS* registered 1,569 student enrollments from 922 Michigan home schools during 2008-09. School or district enrollments in *MVS* courses during this period ranged from a single student enrollment to 365 student enrollments. The average student enrollment per school or district during 2008-09 was 30 students.

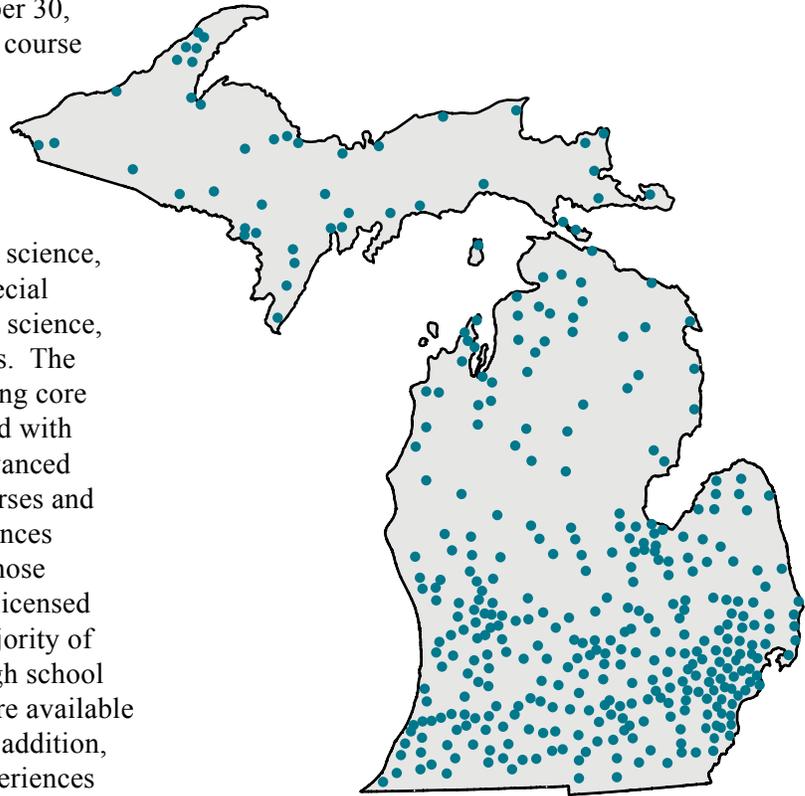


## Online Courses Available to Michigan Schools from the MVS

Exhibit 2 provides a listing of the online courses offered by the *MVS* to Michigan schools and parents during the period October 1, 2008 - September 30, 2009. These online courses are listed by the course titles that were included in the *MVS* course catalog for the corresponding fall, spring and summer semesters, as well as three trimesters during the fall and spring. These titles include courses in the content areas of English language arts, mathematics, science, social studies, world languages and other special interest or elective courses such as computer science, career planning and entrepreneurship courses. The list includes 269 possible courses, representing core academic courses that are specifically aligned with the Michigan Merit Curriculum (MMC), advanced placement (AP) courses, credit recovery courses and summer and after-school enrichment experiences for students. These online courses include those developed by *MVS* and courses and content licensed from nationally recognized providers. A majority of the *MVS* courses (80%) are offered at the high school level, but approximately 55 online courses are available for middle school students in grades 6-8. In addition, six summer and after-school enrichment experiences yielded 3,500 non-graded enrollments. These include 2,315 registrations for the *Back on Track: Ready for Algebra!* program designed for eighth-grade students who lacked the foundational skills necessary to succeed in algebra coursework. This program was funded through Section 99(a) of P.A. 268 of 2008 and funding was not continued in 2009-10.

The adoption of the MMC in 2006 prompted the *MVS* to initiate an intensive two-year course review and revision process to ensure that the online courses support the new curriculum requirements and the corresponding high school content expectations (HSCEs). The *MVS* focused this course review and revision effort in the areas of mathematics, science, English language arts and social studies to assist schools in complying with the state's new graduation requirements and to help meet the demand for courses and highly qualified instructors in curriculum content areas where teacher shortages have been predicted. The courses offered through the *MVS* are designed to assist Michigan students in meeting the states' innovative online learning graduation requirement.

Figure 1  
Map of Schools and Districts Served By MVS - 2008-09



## MVS Online Course Enrollments, Registrations and Completions by Course

The overall average completion rate for the *MVS* courses offered in the fall 2008, spring 2009 and summer 2009 semesters was 80.9 percent. This includes 12,146 Michigan student enrollments in semester-length instructor-led *MVS* courses and excludes students enrolled in *MVS* summer or after-school enrichment programs, ungraded pilot programs or non-instructor-led courses. Figure 2 provides a summary of the *MVS* course completion rates by curriculum content area. Course completion rates ranged from over 75 percent in mathematics and English language arts courses, to approximately 80 percent in science and social studies courses, to 84.2 percent in foreign language courses. As previously noted, the category titled Other includes elective courses such as Basic Software Applications, Career Planning, Digital Photography, Entrepreneurship and Computer Programming. The 2008-09 *MVS* student course completion rates by individual course title can be found in Exhibit 3.

**Figure 2**  
2008-09 MVS Average Course Completion Rate by Content Area

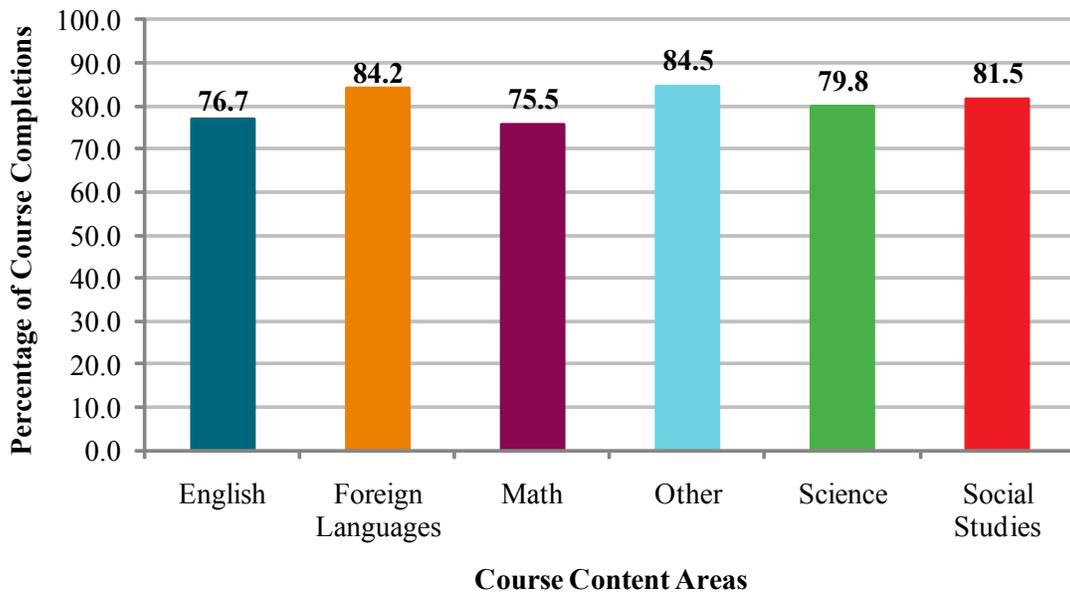
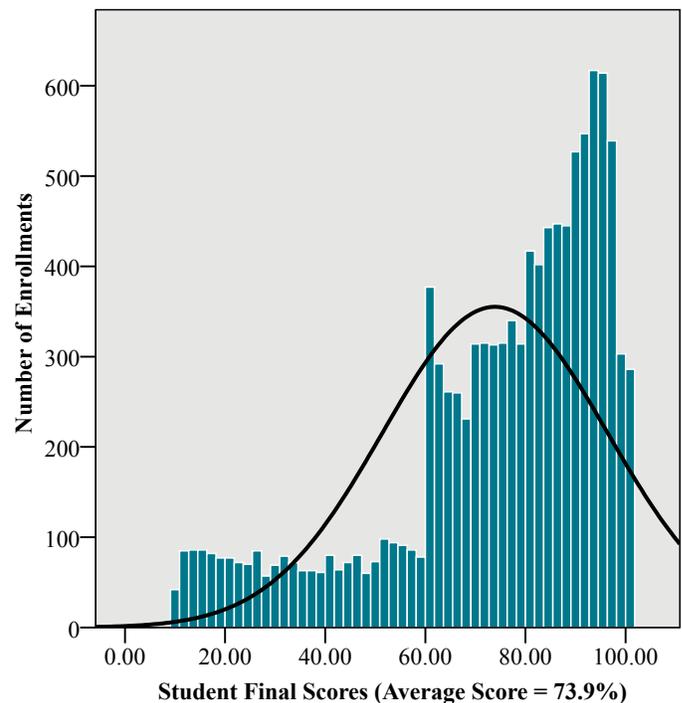


Figure 3 represents the frequency of students' final scores for the 11,021 course enrollments recorded during the 2008-09 school year. During that timeframe, there was a fall, spring, and summer semester, as well as three trimesters offered in the fall and spring. The histogram takes into account any student enrollment earning a minimum of 10 percent of the possible points from the 234 courses that schools and students actually selected from the *MVS* course catalog during this period. The *MVS* course completion rate is calculated by dividing the number of enrollments that earn 60 percent or more of the final points by the number of enrollments with 10 percent or more of the final points. Dropping enrollments with less than 10 percent of the possible points corrects for students who never get going in their online courses. These enrollments are commonly recognized as "incompletes" because the students were not active in the course. The data contained in this graph (and in all data in this report) represent a +/- 1 percent error rate.

It is a priority for the *MVS* to provide ongoing support and assistance to the local school mentors, counselors and administrators who are responsible for enrolling students in *MVS* courses. *MVS* student course completion rates are increasing as a result of improved monitoring, additional student support

**Figure 3**  
Frequency of 2008-09 MVS Students' Final Scores



Note: This does not include student achievement scores of less than 10%



and steps taken to streamline the process for formally dropping students from courses that they do not intend to complete or actively participate in. This process is an ongoing challenge because some students start slowly in their online courses and gain confidence in this new learning environment as the semester continues. Schools have made significant strides in developing the local capacity to support and encourage online learners and the *MVS* works with school personnel across the state to minimize the number of incomplete enrollments.

Figure 4 highlights the 10 *MVS* instructor-led core content area courses with the highest enrollments and the corresponding student completion rates recorded during 2008-09. These 10 courses represent approximately 15 percent of all *MVS* courses offered during the reporting period.

**Figure 4**  
**Top Ten *MVS* Core Content Area Courses by Enrollments**

Course Title	Enrollment Totals	Comp %
Personal Finance A	217	73.4%
Psychology A	209	81.0%
German 1A	203	83.4%
Forensic Science (Intro.)	203	75.0%
Spanish 1A	190	72.5%
Health Science A	185	90.9%
Economics MMC	163	92.2%
Astronomy	151	82.1%
Japanese 1A	151	69.2%
Oceanography A	150	83.0%
	Total 1,822	Overall Avg. 80.0%

*MVS* also offered 46 courses during 2008-09 with five or fewer enrollments recorded, including semester or trimester sections of World History, Probability and Statistics, American Sign Language and British and World Literature. The average completion rate for these low enrollment courses was approximately 84 percent. Over the past five years the *MVS* has offered a variety of courses to ensure that a wide range of student interests and needs are met. School administrators have consistently indicated that the availability of a robust catalog of online courses is especially useful to them as schools have been forced to eliminate low enrollment course options for students due to increasing instructional costs.

*MVS* serves a large number of students in credit recovery courses, as well as AP courses, advanced math or science courses or world language courses that are typically not available at their local school. In meeting these requests, the *MVS* tends to serve students on each end of the achievement spectrum. Approximately 24 percent of the *MVS* course enrollments can be attributed to students with credit recovery needs. Most schools in Michigan do not allow students to enroll in online courses that are also offered locally. The exception to this trend tends to be for courses that students have failed in the traditional face-to-face environment. These and other factors contribute to the overall completion and achievement rates across *MVS* courses. Another factor contributing to student success is the essential support role of local mentors who are responsible for assisting students as they access their online courses from a school setting. The *MVS* continues to expand its free mentor training to schools as they develop greater capacity to support online learners in their communities.

### Identification of Unmet Educational Needs That *MVS* Could Address

At a time when new investments in the state’s K-12 education system are not possible, Michigan must meet the challenges of improving student achievement at all grade levels and increase graduation rates with fewer financial resources. The potential reach and impact of online learning is growing and it represents a key component of Michigan’s public education system now and into the future. Over the past decade, *MVU* has developed the technical infrastructure and the capacity to deliver high quality online courses and instructional materials through a cadre of highly qualified Michigan-certified instructors. This has enabled *MVU* to support a broad range of needs that face the state’s students, educators and policy makers. As Michigan’s state-sponsored virtual school, the *MVS* stands ready to work with K-12 schools and other public and private sector partners to increase high school completion rates, expand world language opportunities, create specialized science, technology engineering and math (STEM) courses and professional development opportunities, assist Michigan’s childcare community through high quality online training and provide support for Michigan students as they prepare for college. *MVU* has identified five proposals for the consideration of state policy makers to address several unmet needs.

## 1. Reduce Michigan's High School Dropout Rate

During 2008-09 the *MVS* and the St. Clair County Regional Educational Service Agency (RESA) established a pilot online high school program for students who were not regularly attending school. The participants included students who had been expelled, had received long-term suspensions, had health-related problems or had dropped out of school. This program demonstrated success in reconnecting students with school and provided them with a positive educational experience. Creating a statewide dropout recovery program with online diagnostics, highly qualified Michigan-certified online instructors, online intervention counselors, prescriptive learning modules, self-paced tutorials and practice tests could help thousands of young adults who have dropped out of school, earn a diploma or prepare for the General Educational Development (GED) exam. This program could help fill a void created by the elimination of programs which previously served this population. The program could be expanded to include customized online support services for students that are learning English as a second language, as well as a Career Readiness Certificate to ensure that students have opportunities to explore a broad spectrum of careers. In support of this effort, *MVU* and the Michigan Association of Community and Adult Education recently created a formal partnership to explore online learning opportunities, blended instruction strategies, and identify resources for students and adult education professionals.

## 2. Online Elementary & Middle School World Language Program

Beginning with the class of 2016, all students in Michigan will need to take the equivalent of two years of a world language as a part of the state's high school graduation requirements. There is a growing body of research that demonstrates the importance of second language learning to improving student achievement. A statewide elementary and middle school world language program could utilize a blended instructional model that includes face-to-face teaching and online language and culture resources to help schools meet the MMC world language requirements before students reach high school. This program could help Michigan students better understand the global economy and the rich diversity of language and culture that exists throughout the world. It could include a professional development component to help prepare elementary and middle school educators to facilitate online learning activities in Michigan classrooms. Providing younger students with opportunities to learn foreign languages and better understand world cultures can create new interest in the study of world languages in high school and college.

## 3. Increase Science, Technology, Engineering & Mathematics Education Opportunities

One imperative in the transformation of Michigan's economy is a systematic change in the way that science, technology, engineering and mathematics (STEM) curricula are approached and supported in K-12 schools. *MVU* and other organizations including the Michigan Mathematics and Science Centers Network (MMSCN) have established a common goal to create a virtual STEM academy to help support the efforts of K-12 schools, community colleges and universities, the private sector and individual communities. A virtual STEM academy could emphasize the establishment of connections between STEM-related teaching and learning resources and the educators, students, employers and families who need them. This initiative could utilize a statewide e-learning portal to bring high-quality specialized math, science, technology and engineering courses and course components, as well as teacher professional development modules and interactive online resources to students, educators and parents across the state.

## 4. Online Childcare Provider Training Program

The development of a comprehensive catalog of online training and professional development programs for childcare providers in the state can help address some of the inequalities in early childhood development. The early development of cognitive skills is an essential component for our state's social and economic future as young people become the foundation of a thriving and sustainable society. An online childcare provider training program could be designed to support the efforts of organizations such as the Great Start Collaborative and Early Childhood Investment Corporation. This initiative could also include online parenting courses for Michigan residents, including expecting teens and young parents. In addition, this project could support parents with an online School Readiness Certificate program to help ensure that all children are ready to start school.

## 5. Online Test Preparation Site for College Entrance Exams

As Michigan strives to double the number of college graduates, more direct assistance can be provided to help students prepare for the ACT and SAT exams. An online test preparation Web site could provide practice exams, as well as interactive diagnostic tools, prescriptive learning modules and test-taking tips. The proposed online tools and strategies could help diagnosis educational deficiencies and link students to academic recovery and coaching support services to improve success in college. *MVU* has provided online test preparation tools and review materials for more than 150,000 Michigan students in the past and has the capability to develop and maintain an online test preparation Web site.



## Summary of DED-OESE, Title IIA Teacher Quality Grant and DED-OESE, Title IID Education Technology Grant Expenditures

The *MVU* receives annual Legislative appropriations through two federal grant programs to support online learning in Michigan schools. The Title IIA Teacher Quality Grant provides funding to support Michigan LearnPort, a statewide communication and professional development portal developed in partnership with the MDE to serve Michigan educators and members of the K-12 community. *Michigan LearnPort* is redefining how professional development services are delivered by making effective use of innovative Web-based tools and resources.

The Title IID Enhancing Education Through Technology Grant provides funding to build *MVU's* statewide capacity for providing high quality online services and delivering courses and instruction in innovative ways to nontraditional K-12 audiences. The Title IID Grant enables the *MVS* to provide no-cost course scholarships for students to expand enrollments in online courses in Michigan schools, including schools that have been identified for improvement or corrective action. During 2008-09 the *MVS* worked in partnership with several intermediate school districts to expand online learning opportunities. Grant expenditure summary information for both grant programs for 2008-09 is included as Supplemental Information in Exhibit 4.

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### ■ ■ ■ Conclusion ■ ■ ■

**I**n 2006 Michigan gained national attention as the first state in the U.S. to require online learning as a prerequisite to high school graduation. Last year the state was ranked second in the nation for its innovative online learning policy and practice by the Center for Digital Education (CDE). Michigan has provided significant leadership for online learning and is considered a national leader. To date the *MVS* has served more than 64,000 online course enrollments and through a series of ISD-based consortia agreements, the organization is working with Michigan schools and educators to provide new opportunities for students to achieve academic success. As this report demonstrates, the *MVS* provides a comprehensive catalog of online courses for middle and high school age students that support the MMC. The course completion rates and achievement levels of the students enrolling in these online courses continue to increase and this data provides a strong foundation for expanding enrollments and services in the future.

The *MVS* is working collaboratively with education leaders in Michigan to address the persistent problem of students dropping out of school. Online learning has created new opportunities to reach students who are not challenged or engaged by the traditional education model. The *MVS* is also working with the MDE and school districts across the state to explore how educational content can be provided to address multiple learning styles and benefit all learners. There is growing evidence that online learning holds great promise for students who may need course content presented in a different format or through a nontraditional instructional method. Online learning offers the potential for utilizing new methods of instruction, improving student achievement and increasing graduation rates while holding the line on costs.

## Exhibit 1 2008-09 Michigan Schools and School Districts Served

A.D. Johnston Jr./Sr. High School  
 Academy for Business & Tech. High School  
 Academy of Oak Park - Mendota Campus  
 Addison High School  
 Adlai Stevenson High School  
 Airport Senior High School  
 Akron-Fairgrove Jr./Sr. High  
 Alanson High School  
 Alba School  
 Alcona High School  
 Alcona Middle School  
 Algonac High School  
 Algonac High School - St. Clair RESA  
 All Saints Central High School  
 Allen Park High School  
 Allen Park Middle School  
 Allendale High School  
 Alma Senior High School  
 Almont High School  
 Alpena High School  
 Amy Firth Middle School  
 Ann Arbor Academy  
 Ann Arbor Learning Community  
 Arenac Eastern High School  
 Armada High School  
 Athens Area High School  
 Atlanta Jr/Sr High School  
 Au Gres-Sims High School  
 Bad Axe High School  
 Bahweting Anishnabe PSA  
 Baldwin Senior High School  
 Baraga Area High School  
 Baseline Middle School  
 Bay City Western Middle School  
 Beaver Island Community School  
 Belding High School  
 Belding Middle School  
 Bellaire High School  
 Bellevue High School  
 Benton Harbor Charter School  
 Benzie Central Sr. High School  
 Berkley High School  
 Berrien ISD  
 Berrien Springs Middle School  
 Big Bay De Noc School  
 Birch Run High School  
 Black River Public School  
 Blissfield High School  
 Bloomfield Hills Andover H.S.  
 Boyne City High School  
 Boyne Falls Public School  
 Brandywine Senior High School  
 Bridge High School - Copper Country ISD  
 Bridgeport High School

Bridgman High School  
 Brighton High School  
 Brimley Jr./Sr. High  
 Bronson Jr./Sr. High School  
 Buchanan High School  
 Buckley Community School  
 Buena Vista High School  
 Bullock Creek High School  
 Bunker Middle School  
 Burns Elementary School  
 Burr Oak High School  
 Burt Township School  
 Byron Area High School  
 Byron Center Charter School  
 Byron Center High School  
 Caledonia High School  
 Calumet High School  
 Calvary Baptist Academy  
 Calvary Schools of Holland  
 Calvin Center SDA School  
 Calvin Christian High School  
 Camden-Frontier High School  
 Canton Charter Academy  
 Capac High School - St. Clair RESA  
 Carl T. Renton Jr. High School  
 Carney-Nadeau School  
 Caro Community School  
 Caseville School  
 Cedar Springs High School  
 Cedarville High School  
 Central Academy  
 Central Middle School  
 Centreville Senior High School  
 Cerveny Middle School  
 Charlevoix High School  
 Charlotte Middle School  
 Charlotte Senior High School  
 Chassell K-12 School  
 Cheboygan Area High School  
 Chelsea High School  
 Chesaning Union High School  
 Chippewa Hills High School  
 Clarkston High School  
 Clement School  
 Climax-Scotts Jr./Sr. High School  
 Coldwater High School  
 Coloma Junior High School  
 Columbia Central High School  
 Columbia Middle School  
 Community High School  
 Comstock Park High School  
 Constantine High School  
 Coopersville High School  
 Corunna Middle School

Countryside Charter School-High School  
 Cousino Senior High School  
 Covenant Christian High School  
 Covert High School  
 Creative Technologies Academy  
 Creston High School  
 Crossroads Charter Academy (7-12)  
 Crosswell-Lexington High School  
 Da Vinci Institute (9-12)  
 Dakota High School  
 Dansville High School  
 Davidson Middle School  
 Davis Aerospace High School  
 Davis Junior High School  
 Dearborn Adult Ed Dept - School to Work  
 Decatur High School  
 DeLaSalle Collegiate High School  
 DeTour High School  
 Detroit Academy of Arts & Sciences HS  
 Detroit HS-Fine & Performing Arts  
 Dexter High School  
 Divine Child High School  
 Dollar Bay High School  
 Doris Klaussen Dev. Center  
 Dowagiac Middle School  
 Dryden High School  
 Dundee High School  
 Durand Middle School  
 DVA/Fordson  
 Dwight D. Eisenhower High School  
 Dwight Rich Middle School  
 Earhart Middle School  
 Early College Alliance  
 East Grand Rapids High School  
 East Kentwood High School  
 East Lansing High School

## SUPPLEMENTAL INFORMATION

### Exhibit 1:

List of the Michigan Schools and School Districts Served During 2008-09

### Exhibit 2:

List of the Online Course Titles Offered by the MVS to Michigan Schools During 2008-09

### Exhibit 3:

2008-09 MVS Summary of Courses, Enrollment and Completion Rates

### Exhibit 4:

A Summary of DED-OESE, Title IIA Teacher Quality Grant and DED-OESE, Title IID Education Technology Grant Expenditures



Eastern Washtenaw Multicultural Academy	Handy Middle School	Kingsley Area High School
Eaton Rapids High School	Hanover-Horton High School	Kingston Jr/Sr High School
Edison Public School Academy	Harbor Beach Community High School	Ladywood High School
Edsel Ford High School	Harbor Light Christian School	Lake City High School
Edwardsburg High School	Harper Woods High School	Lake Linden Hubbell Jr./Sr. High School
Ellsworth Community School	Harrison Community High School	Lakeland High School
Engadine High School	Hartford High School	Laker High School
Eppler Junior High School	Hartford Middle School	Lakeshore High School
Escanaba Area Senior High School	Hartland High School	Lakeshore Middle School
Eton Academy	Haslett High School	Lakeview High School - Calhoun
Everett High School	Hastings High School	Lakeview High School - Macomb
Fair Plain Renaissance Middle School	Henry Ford Academy	Lakewood Middle School
Fairview High School	Henry Ford II High School	L'Anse Area School Jr/Sr HS
Faithway Christian School	Heritage High School	L'Anse Creuse High School
Farmington High School	Heritage Junior High School	L'Anse Creuse High School North
Fennville Middle School	Hesperia Middle School	Lansing Catholic Central High School
Fennville Public High School	HH Dow High School	Lansing Christian School
Ferndale High School	Highmeadow Common Campus	Lansing Eastern High School
Fisher Magnet	Hillman Community Jr/Sr High School	Lapeer East Senior High School
Flat Rock High School	Hillsdale High School	LaSalle High School
Forest Hills Central High School	Holland Woods Middle School	Lawrence Jr./Sr. High
Forest Hills Eastern High School	Holly High School	Lawton High School
Forest Hills Eastern Middle School	Holt High School	Lawton Middle School
Forest Hills Northern High School	Holt Junior High School	Lee M. Thurston Sr. High School
Forest Park School	Hope Academy - Ecorse Alt. Ed.	Leland Public School
Fr. Gabriel Richard High School	Hopkins High School	Lenawee Christian School
Frankenmuth High School	Hopkins Middle School	Leon W. Hayes Middle School
Frankfort High School	Houghton High School	Leslie High School
Franklin High School	Houghton Lake Community Education	Lincoln Senior High School
Freedom Baptist High School	Howell High School	Litchfield High School
Freeland High School	Hudson Area High School	Littlefield School (K-8)
Fremont High School	Hull Middle School	Livingston Christian schools
Fremont Middle School	Huron High School - Ann Arbor	Lowell High School
Gabriel Richard Catholic High School	Huron High School - New Boston	Loy Norrix High School
Garber High School	Huron Youth Success	Luther L. Wright High School
Gardner Middle School	Ida High School	Lutheran High School NW
Gaylord High School	Inland Lakes High School	Lutheran High School Westland
Gladstone Area High School	Ionia High School	Mackinac Island School
Glen Lake Secondary School	Ionia Middle School	Madison Middle School
Gobles High School	Iron Mountain Central Middle School	Malow Junior High School
Golightly Education Center	Iron Mountain High School	Mancelona High School
Grand Blanc High School	Ishpeming High School	Manchester High School
Grand Ledge High School	Ithaca High School	Manistee Catholic Central School
Grand Rapids Central High School	Jeannette Junior High School	Manistee High School
Grand Rapids City High School	Jeffers High School	Manistique Middle & High School
Grand Rapids Union High School	Jewish Academy Metro Detroit	Maple Valley Jr./Sr. High School
Grand Traverse Academy	John D. Pierce Middle School	Marcellus High School
Grandville High School	John Glenn Senior High School	Marine City Middle School
Grant Middle School	Kalamazoo Central High School	Marion High School
Grass Lake High School	Kalkaska High School	Mark Twain Elementary School
Grass Lake Middle School	Kenowa Hills High School	Marlette High School
Grosse Ile High School	Kensington Woods High School	Marquette Elementary School
Grosse Ile Middle School	Kent Career Tech Center	Marquette Senior High
Grosse Pointe North High School	Kent City High School	Marquette-Alger RESA
Grosse Pointe South High School	Kingsbury School	Marshall High School
Hamilton High School	Kingsford High School	Martin High School
Hancock Central High School	Kingsford Middle School	Marysville High School - Marysville

Mason County Eastern Junior High/ High School	Northport Public School	R.W. Kidder Middle School
Mason High School - Ingham	Northview High School	Reading High School
Mason Middle School	Northville High School	Reeths-Puffer High School
Math & Science Center - Allegan	Northwest Academy	Renaissance Public School Academy
Math & Science Center - Capitol Area	Northwest High School	Republic-Michigamme School
Math & Science Center - Dickinson-Iron- Menominee	Northwestern High School	Richmond Community High School
Math & Science Center - Eastern UP	Northwoods Math Science & Technology Center	River Valley High School
Math & Science Center - Lapeer County ISD	Norway High School	River Valley Middle School
Mattawan High School	Notre Dame Preparatory School	Riverview Community High School
Mayville High School	Novi High School	Robichaud Sr. High School
McBain High School	Oakland International Academy	Rochester Adams Senior High School
Memphis High School - St. Clair RESA	Oakland Schools Technical Campus - SW	Rochester High School
Memphis Junior High School	Oakridge High School	Roeper City & Country Middle & Upper
Mendon High School	Oakridge Middle School	Rogers City High School
Menominee Catholic Central	Old Redford Academy - High	Rogers High School
Menominee High School	Olivet High School	Romeo High School
Merrill High School	Onekama School Jr./Sr. School	Roscommon High School
Mesick High School	Onsted Alternative Ed. Program	Sacred Heart Academy High School
Michael J McGivney School	Onsted High School	Saginaw Arthur Hill High School
Michigan Center Jr./Sr. High School	Ontonagon Area Jr./Sr. High School	Saginaw Arts & Sciences Academy
Michigan Lutheran High School	Orchard View Middle School	Saline Alternative Ed
Michigan School for the Deaf	Oscar A. Carlson High School	Saline High School
Middle School at Parkside	Oscoda Area High School	Saline Middle School
Midland Academy of Advanced/ Creative Studies	Otsego High School	Sand Creek Jr./Sr. High School
Midland High School	Otsego Middle School	Sarah G. Banks Middle School
Mid-Peninsula School	Ottawa Hills High School	Saranac High School
Milan High School - MHS	Ovid-Elsie High School	Saugatuck High School
Milford High School	Owendale-Gagetown Jr./Sr. High School	Sault Area High School
Millington Accelerated Learning Center	Owosso Middle School	Sault Area Middle School
Millington High School	Oxford High School	Sawdon High School
Mio-AuSable High School	Patrick Henry Middle School	Schoolcraft High School
Mona Shores High School	Pattengill Middle School	Sexton High School
Mona Shores Middle School	Paw Paw High School	Shelby Junior High School
Monroe High School	Paw Paw Middle School	Shepherd High School
Montabella High School	Peck High School	Shepherd Middle School
Morey Charter School	Pellston High School	Shrine Catholic High School
Morrice Area High School	Pennfield Senior High School	Skyline High School
Munising High and Middle School	Perry High School	Sodus Township School District #5
Muskegon Heights Middle School	Perry Middle School	South Arbor Charter Academy
Napoleon High School	Pewamo-Westphalia High School	South Christian High School
Napoleon Middle School	Phoenix Alternative High School	South Lyon East High School
Negaunee High School	Pickford High School	South Lyon High School
Nellie B. Chisholm Middle School	Pinckney Community High School	Southgate Anderson High School
New Buffalo High School	Pioneer High School	Sparta Senior High School
New Haven High School	Plainwell High School	Spring Lake High School
Newaygo High School	Plymouth Canton Central Middle School	Springport Middle School
Newaygo Middle School	Plymouth Canton East Middle School	St. Charles Community High School
Niles Senior High School	Plymouth Christian Academy	St. Clair County Intervention Academy
Nolan Elementary School	Plymouth Educational Center - Youthville	St. Clair County Learning Academy
North Adams High School	Port Huron High School - St. Clair RESA	St. Clair High School - East China
North Dickinson School	Port Huron Northern HS - St. Clair RESA	St. Francis of Assisi School
North Huron Secondary School	Portage Community High School	St. Johns Middle School
North Muskegon High School	Portland High School	St. Mary School
North Star Academy	Potterville High School	St. Michael Parish School
	Quincy High School	St. Paul School
		St. Philip Catholic Central
		St. Thomas More Academy



Starr Commonwealth for Boys  
Steele Junior High School  
Stephenson High School  
Stevenson High School  
Stockbridge High School  
Stockbridge Middle School  
Stoney Creek High School  
Sturgis High School  
Summerfield High School  
Summit Academy North High School  
Superior Central School  
Suttons Bay High School  
Swan Valley High School  
T.A. Wilson Academy - Tomlinson  
Taft Middle School  
Tekonsha Senior High School  
Thornapple Kellogg High School  
Three Rivers High School  
Thunder Bay Junior High School  
Tinkham Alternative Education  
Tomlinson Middle School  
Traverse City Central High School  
Traverse City Christian School  
Traverse City College Preparatory Academy  
Traverse City West H.S.  
Tri County Senior High School  
Tri-Township School  
Tri-Unity Christian High School  
Ubly Community High School

Union City High School  
Unionville-Sebewaing High School  
Unity Christian School  
University of Detroit Jesuit  
University Preparatory Academy (PSAD) HS  
University School - Andrews Academy  
Upton Middle School  
Utica High School  
Vanderbilt Area School  
Vandercook Lake High School  
Vassar Senior High School  
Venture High School  
Vestaburg Community High School  
Vetal Elementary School  
Vicksburg High School  
Virtual Learning Academy of St. Clair  
County  
Volinia Outcome Base School  
Vulcan Middle School  
Wakefield-Marenisco School District  
Waldron Area High School  
Walled Lake Northern  
Walled Lake Western  
Warren Woods Tower High School  
Washtenaw Christian Academy  
Watersmeet Township School  
Watervliet Middle School  
Watervliet Senior High School  
Waverly Middle School

Wayland Union Middle School  
Wayne Memorial High School  
WayPoint Academy - Muskegon  
Webberville High School  
West Catholic High School  
West Iron County High School  
West Iron County Middle School  
West MI Academy of Environmental Science  
West Michigan Lutheran High School  
West Middle Adult Education - Grand Rapids  
Western High School  
Western Middle School - Parma  
Westwood High School  
White Cloud Junior High School  
White Pine Middle School  
Whitefish Township School  
Whitehall Middle School  
Whitehall Senior High School  
Whitmore Lake High School  
Williamston High School  
Willow Run High School  
Windemere Park Charter Academy  
Wolverine Jr./Sr. School  
Woodward Academy  
Wyoming Park High School  
Yale High School - St. Clair RESA  
Yale Junior High School  
Zeeland West High School

## Exhibit 2 List of the Online Course Titles Offered by the MVS to Michigan Schools

Algebra (Pre-Algebra) A	AP U.S. History B	English 12A - British Literature A
Algebra (Pre-Algebra) B	Art Appreciation	English 12A MMC - American Literature A
Algebra 1A	Astronomy	English 12B - British Literature B
Algebra 1A MMC	Astronomy (6th-8th)	English 12B MMC - American Literature B
Algebra 1B	Basic Software Applications	English 9A
Algebra 1B MMC	Basic Software Applications (6th-8th)	English 9A MMC
Algebra 2A	Bioethics	English 9B
Algebra 2A MMC	Biology A	English 9B MMC
Algebra 2B	Biology A MMC	English I: Introduction to Lit. & Comp. A
Algebra 2B MMC	Biology B	English I: Introduction to Lit. & Comp. B
American Film Survey	Biology B MMC	English II: Critical Reading & Writing A
American Government	British & World Literature A	English II: Critical Reading & Writing B
American History A	Business Ethics	Entrepreneur Business Management
American History A (8th)	C++ Programming A	Entrepreneur Business Planning
American History B	C++ Programming B	Environmental Science A
American History B (8th)	Calculus (Pre-Calculus) A	Environmental Science B
American Sign Language 1A	Calculus (Pre-Calculus) B	Flash Animation
American Sign Language 1B	Calculus A	Forensic Science (Advanced)
Anatomy & Physiology A	Calculus B	Forensic Science (Introduction)
Anatomy & Physiology B	Career Planning	French 1A
AP Art History A	Chemistry A	French 1A (6th-8th)
AP Art History B	Chemistry A MMC	French 1B
AP Biology A	Chemistry B	French 1B (6th-8th)
AP Biology B	Chemistry B MMC	French 2A
AP Calculus AB 1A	Chinese 1A - Mandarin	French 2B
AP Calculus AB 1B	Chinese 1B - Mandarin	French 3A
AP Calculus BC 1A	Chinese 2A - Mandarin	French 3B
AP Calculus BC 1B	Chinese 2B - Mandarin	French 4A
AP Chemistry A	Chinese 3A - Mandarin	French 4B
AP Chemistry B	Chinese 3B - Mandarin	Game Design A
AP Computer Science A 1A	Civics	Game Design B
AP Computer Science A 1B	Civics MMC	Geography
AP English Lang/Comp A	Composition (Advanced)	Geometry A
AP English Lang/Comp B	Composition (Beginning)	Geometry A MMC
AP English Lit/Comp A	Digital Photography	Geometry B
AP English Lit/Comp B	Directors of the Golden Age	Geometry B MMC
AP Environmental Science A	Earth Science A	German 1A
AP Environmental Science B	Earth Science A MMC	German 1B
AP French A	Earth Science B	German 2A
AP French B	Earth Science B MMC	German 2B
AP Macroeconomics	Economics	German 3A
AP Microeconomics	Economics MMC	German 3B
AP Physics B 1A	Employability Skills	German 4A
AP Physics B 1B	English 10A	German 4B
AP Psychology	English 10A MMC	Global Issues
AP Spanish A	English 10B	Health Education A
AP Spanish B	English 10B MMC	Health Education B
AP Statistics A	English 11A - American Literature A	Health Education MMC
AP Statistics B	English 11A MMC - British Literature A	Health Education MMC (Abstinence Only)
AP U.S. Gov/Politics	English 11B - American Literature B	
AP U.S. History A	English 11B MMC - British Literature B	



Health Science A  
Health Science B  
Human Space Exploration  
Introductory Algebra A  
Introductory Algebra B  
Japanese 1A  
Japanese 1B  
Japanese 2A  
Japanese 2B  
Journalism  
Language Arts A (6th)  
Language Arts A (7th)  
Language Arts A (8th)  
Language Arts Advanced A (6th)  
Language Arts Advanced A (7th)  
Language Arts Advanced A (8th)  
Language Arts Advanced B (6th)  
Language Arts Advanced B (7th)  
Language Arts Advanced B (8th)  
Language Arts B (6th)  
Language Arts B (7th)  
Language Arts B (8th)  
Latin 1A  
Latin 1B  
Latin 2A  
Latin 2B  
Latin 3A  
Latin 3B  
Legal Issues  
Math Fundamentals A  
Math Fundamentals B  
Math Skills A  
Math Skills B  
Mathematics A (6th)  
Mathematics A (7th)  
Mathematics A (8th)  
Mathematics Advanced A (6th)  
Mathematics Advanced A (7th)  
Mathematics Advanced A (8th)  
Mathematics Advanced B (6th)

Mathematics Advanced B (7th)  
Mathematics Advanced B (8th)  
Mathematics B (6th)  
Mathematics B (7th)  
Mathematics B (8th)  
Mathematics of Baseball  
Microsoft Office 2007  
Microsoft Office XP  
Music Appreciation  
Native American History  
Oceanography A  
Oceanography B  
Oceans & Their Ecosystems A  
Oceans & Their Ecosystems B  
Online Scholar Community Advanced  
Research (OSCAR)  
Personal Finance A  
Personal Finance B  
Personal Fitness  
Physical Science A  
Physical Science B  
Physics 1A  
Physics 1B  
Physics A MMC  
Physics B MMC  
Probability & Statistics A MMC  
Probability & Statistics B MMC  
Psychology A  
Psychology B  
Read - Succeed (6th-8th)  
Reading A (6th)  
Reading B (6th)  
Reading Strategies for the Digital Age  
Science (Comprehensive) A (6th)  
Science (Comprehensive) A (7th)  
Science (Comprehensive) A (8th)  
Science (Comprehensive) Adv. A (6th)  
Science (Comprehensive) Adv. A (7th)  
Science (Comprehensive) Adv. A (8th)  
Science (Comprehensive) Adv. B (6th)

Science (Comprehensive) Adv. B (7th)  
Science (Comprehensive) Adv. B (8th)  
Science (Comprehensive) B (6th)  
Science (Comprehensive) B (7th)  
Science (Comprehensive) B (8th)  
Skills for Health  
Sociology  
Spanish 1A  
Spanish 1A (6th-8th)  
Spanish 1A (Elem) (Dev)  
Spanish 1B  
Spanish 1B (6th-8th)  
Spanish 2A  
Spanish 2B  
Spanish 3A  
Spanish 3B  
Study Skills  
Trigonometry A  
Trigonometry B  
U.S. Gov/Politics  
U.S. History & Geography A MMC  
U.S. History & Geography B MMC  
U.S. History A  
U.S. History B  
Web Design Basics HTML  
World Civilizations A  
World Civilizations B  
World Cultures A (6th)  
World Cultures Advanced A (6th)  
World Cultures Advanced B (6th)  
World Cultures B (6th)  
World Geography A (7th)  
World Geography Advanced A (7th)  
World Geography Advanced B (7th)  
World Geography B (7th)  
World History & Geography A MMC  
World History & Geography B MMC  
World History A  
World History B  
World Literature

### Exhibit 3 2008-09 MVS Summary of Courses, Enrollments and Completion Rates

Course Title	Total N	Ave Comp %
Algebra (Pre-Algebra) A	46	56.70%
Algebra (Pre-Algebra) B	21	90.00%
Algebra 1A	84	61.80%
Algebra 1A MMC	96	63.20%
Algebra 1B	58	75.50%
Algebra 1B MMC	120	82.70%
Algebra 2A	93	75.30%
Algebra 2A MMC	49	74.40%
Algebra 2B	39	87.10%
Algebra 2B MMC	66	83.10%
Algebra A (Introductory)	1	100.00%
American Film Survey	136	78.50%
American Government	147	68.70%
American History A	72	80.30%
American History A (8th)	3	100.00%
American History B	55	91.80%
American History B (8th)	2	100.00%
American Sign Lang 1A	38	89.50%
American Sign Lang 1B	5	100.00%
Anatomy & Physiology A	145	85.50%
Anatomy & Physiology B	59	94.90%
AP Art History A	14	84.60%
AP Art History B	6	100.00%
AP Biology A	34	90.90%
AP Biology B	25	91.70%
AP Calculus AB 1A	19	89.50%
AP Calculus AB 1B	16	81.30%
AP Calculus BC 1A	10	88.90%
AP Calculus BC 1B	8	100.00%
AP Chemistry A	27	65.20%
AP Chemistry B	12	72.70%
AP Computer Science A 1A	28	77.80%
AP Computer Science A 1B	19	100.00%
AP English Lang/Comp A	18	94.10%
AP English Lang/Comp B	16	100.00%
AP English Lit/Comp A	38	91.90%
AP English Lit/Comp B	33	100.00%
AP Environmental Science A	16	100.00%
AP Environmental Science B	18	88.20%
AP French A	16	93.80%
AP French B	14	85.70%
AP Macroeconomics	42	92.90%
AP Microeconomics	39	89.50%
AP Physics B 1A	38	97.20%
AP Physics B 1B	30	73.30%
AP Psychology	123	88.30%

Course Title	Total N	Ave Comp %
AP Spanish A	20	73.70%
AP Spanish B	13	84.60%
AP Statistics A	30	93.10%
AP Statistics B	23	100.00%
AP U.S. Gov/Politics	34	82.40%
AP U.S. History A	51	87.20%
AP U.S. History B	41	95.10%
Art Appreciation	71	89.10%
Astronomy	151	82.10%
Astronomy (6th-8th)	8	60.00%
Basic Software Apps	41	75.00%
Basic Software Apps (6th-8th)	1	100.00%
Bioethics	66	86.40%
Biology A	70	81.80%
Biology A MMC	63	77.80%
Biology B	40	72.20%
Biology B MMC	49	63.00%
British & World Literature A	2	100.00%
Business Ethics	167	93.80%
C++ Programming A	134	87.60%
C++ Programming B	34	81.30%
Calculus (Pre-Calculus) A	71	58.70%
Calculus (Pre-Calculus) B	52	68.90%
Calculus A	48	65.20%
Calculus B	18	75.00%
Career Planning	366	77.00%
Chemistry A	60	54.50%
Chemistry A MMC	31	65.20%
Chemistry B	35	56.30%
Chemistry B MMC	21	64.70%
Chinese 1A - Mandarin	92	78.80%
Chinese 1B - Mandarin	63	92.60%
Chinese 2A - Mandarin	42	94.90%
Chinese 2B - Mandarin	25	91.30%
Chinese 3A - Mandarin	12	90.90%
Civics	77	74.60%
Civics MMC	112	87.00%
Composition (Advanced)	32	50.00%
Composition (Beginning)	108	80.20%
Digital Photography	371	88.60%
Directors of the Golden Age	27	74.10%
Earth Science A	55	54.30%
Earth Science A MMC	37	67.60%
Earth Science B	11	40.00%
Earth Science B MMC	24	93.30%
Economics	129	76.90%



Course Title	Total N	Ave Comp %
Economics MMC	163	92.20%
Employability Skills	237	88.50%
English 10A	50	63.20%
English 10A MMC	57	58.30%
English 10B	40	64.90%
English 10B MMC	64	71.90%
English 11A - Am. Lit A	50	84.10%
English 11A MMC - Brit Lit A	91	80.00%
English 11B - Am. Lit B	36	75.90%
English 11B MMC - Brit Lit B	53	80.50%
English 12A - Brit Lit A	41	81.60%
English 12A MMC - Am Lit A	112	83.80%
English 12B - Brit Lit B	13	92.30%
English 12B MMC - Am Lit B	42	92.30%
English 9A	48	69.40%
English 9A MMC	95	50.70%
English 9B	34	78.30%
English 9B MMC	56	55.30%
English: Reading & Writing A	2	100.00%
Entrepreneur Business Mgt	120	96.60%
Entrepreneur Business Plan	77	76.80%
Environmental Science A	39	75.00%
Environmental Science B	14	92.90%
Flash Animation	56	87.50%
Forensic Science (Advanced)	19	100.00%
Forensic Science (Intro)	203	75.00%
French 1A	136	80.90%
French 1A (6th-8th)	8	50.00%
French 1B	72	84.30%
French 1B (6th-8th)	4	50.00%
French 2A	64	96.80%
French 2B	39	84.20%
French 3A	14	100.00%
French 3B	8	62.50%
French 4A	2	50.00%
French 4B	3	100.00%
Game Design A	74	73.90%
Game Design B	3	100.00%
Geography	48	86.70%
Geometry A	107	52.10%
Geometry A MMC	79	85.90%
Geometry B	42	68.60%
Geometry B MMC	71	96.90%
German 1A	203	83.40%
German 1B	97	93.60%
German 2A	30	82.10%
German 2B	14	76.90%
German 3A	5	100.00%
German 3B	2	100.00%

Course Title	Total N	Ave Comp %
German 4A	1	100.00%
Global Issues	84	86.50%
Health Ed MMC (Abstinence)	20	35.30%
Health Education MMC	148	77.00%
Health Science A	185	90.90%
Health Science B	69	91.20%
Human Space Exploration	27	84.00%
Japanese 1A	151	69.20%
Japanese 1B	50	83.30%
Japanese 2A	11	90.90%
Japanese 2B	3	100.00%
Journalism	66	88.30%
Language Arts A (7th)	3	33.30%
Language Arts A (8th)	2	100.00%
Language Arts B (7th)	2	100.00%
Latin 1A	92	96.60%
Latin 1B	37	88.90%
Latin 2A	17	100.00%
Latin 2B	15	100.00%
Latin 3A	2	100.00%
Latin 3B	2	100.00%
Legal Issues	107	63.70%
Math Fundamentals A	4	0.00%
Math Fundamentals B	2	100.00%
Math Skills A	100	83.90%
Math Skills B	33	84.40%
Mathematics A (6th)	3	66.70%
Mathematics A (7th)	5	60.00%
Mathematics A (8th)	4	75.00%
Mathematics Adv. A (7th)	4	100.00%
Mathematics Adv. A (8th)	1	100.00%
Mathematics Adv. B (7th)	3	100.00%
Mathematics Adv. B (8th)	1	100.00%
Mathematics B (7th)	2	100.00%
Mathematics B (8th)	2	50.00%
Mathematics of Baseball	55	72.20%
Microsoft Office 2007	15	86.70%
Microsoft Office XP	19	70.60%
Music Appreciation	95	94.70%
Native American History	65	90.20%
Oceanography A	150	83.00%
Oceanography B	24	83.30%
Oceans & Their Ecosystems A	32	90.00%
Personal Finance A	217	73.40%
Personal Finance B	34	97.10%
Personal Fitness	86	72.00%
Physical Science A	34	38.70%
Physical Science B	17	73.30%
Physics 1A	40	74.30%

Course Title	Total N	Ave Comp %
Physics 1B	18	94.10%
Physics A MMC	31	74.10%
Physics B MMC	6	100.00%
Probability & Stats A MMC	30	44.40%
Probability & Stats B MMC	3	33.30%
Psychology A	209	81.00%
Psychology B	74	91.40%
Read - Succeed (6th-8th)	50	80.00%
Reading Strategies	39	87.90%
Science (Comp) A (6th)	1	100.00%
Science (Comp) A (7th)	1	100.00%
Science (Comp) A (8th)	2	100.00%
Science (Comp) Adv A (8th)	2	100.00%
Science (Comp) B (6th)	1	100.00%
Science (Comp) B (7th)	1	100.00%
Science (Comp) B (8th)	1	100.00%
Skills for Health	5	100.00%
Sociology	122	75.20%
Spanish 1A	190	72.50%
Spanish 1A (6th-8th)	26	71.40%
Spanish 1B	111	80.40%
Spanish 1B (6th-8th)	8	83.30%
Spanish 2A	89	88.40%
Spanish 2B	79	92.20%
Spanish 3A	26	92.00%
Spanish 3B	19	100.00%
Study Skills	246	83.50%
Trigonometry A	44	83.30%
Trigonometry B	23	85.70%
U.S. Gov/Politics	5	80.00%
U.S. Hist & Geog A MMC	58	73.30%
U.S. Hist & Geog B MMC	40	67.90%
U.S. History A	2	100.00%
U.S. History B	1	0.00%
Web Design Basics HTML	139	79.20%
World Civilizations A	75	73.00%
World Civilizations B	37	85.70%
World Geography A (7th)	7	85.70%
World Geography B (7th)	1	100.00%
World Hist & Geog A MMC	97	74.10%
World Hist & Geog B MMC	54	86.70%
World History A	1	0.00%
World History B	2	0.00%
World Literature	70	78.00%



## Exhibit 4 Summary of Grant Expenditures

### MICHIGAN VIRTUAL UNIVERSITY

#### Title IIA, Teacher Quality Grant

Expenditures from October 1, 2008 - September 30, 2009

Software Customization	\$46,688.92
Web hosting and Technical Support	46,313.93
Equipment Expenditures	6,443.21
Content Development Consultants	6,325.00
Project Costs (Opportunities 2008)	28,162.52
Licensing Expenditures	111,660.62
Instructor Consultants	49,000.00
Teacher Stipends	21,000.00
Media Asset Development	2,000.00
Communication and Outreach	43,573.56
Algebra for All	234,262.82
Salaries and Benefits	511,609.90
Administration	199,979.26
<b>TOTAL</b>	<b>\$1,307,019.74<sup>1</sup></b>

All Title IIA expenditures approved by MDE through a memorandum of understanding

### Title IID, Education Technology Grant

Expenditures from October 1, 2008 - September 30, 2009

Middle School Course Scholarship Support	\$ 18,100.00
High School Course Scholarship Support	529,183.10
Improvement of Instruction: Staff and Instructor Training	149,215.14
Professional Development Infrastructure	27,243.51
Web-streaming Hardware and Bandwidth	32,416.40
Researcher Fees and Related Exp.	25,844.31
Outreach and Web Resource Materials	20,000.00
ELC Related Project Staff Costs	72,241.41
<b>SUBTOTAL</b>	<b>874,243.87</b>
<b>INDIRECT COSTS:</b>	
Ingham ISD Indirect Portion	59,661.00
Ingham ISD Professional Development Portion	55,148.00
<b>TOTAL</b>	<b>\$ 989,052.87<sup>2</sup></b>

(1) Total includes \$565,981 of Title IIA carryover from the 2007-08 grant.

(2) Total includes \$52,786 of Title IID carryover from the 2007-08 grant.

# Michigan Virtual University

## Vision

The long-term view of success for *MVU* is to provide leadership by expanding, improving and innovating opportunities for K-12 students and educators.

## Mission

The over-arching goal of *MVU* is to serve as a catalyst for change by providing quality Internet-based programs that strengthen teaching and learning for K-12 education.



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*Michigan Virtual University* is an equal opportunity employer. It is *MVU's* policy to carefully select, hire, retain and promote the best-qualified individuals. To this end, *MVU* will not unlawfully discriminate against individuals because of their race, age, sex, religion, sexual preference, national origin, height, weight, non-disqualifying disability or marital status in the terms, conditions, and benefits of employment.



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