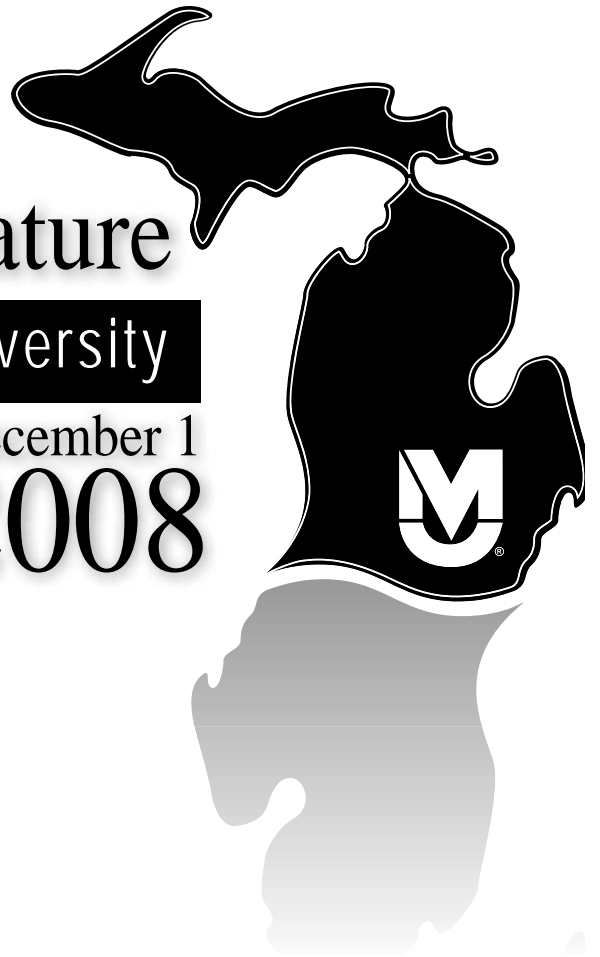


A Report to the Legislature

Prepared by Michigan Virtual University

December 1
2008



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This report is submitted in compliance with Section 98 (9) of Public Act 268 of 2008, which requires the *Michigan Virtual University*® (MVU®) to provide not later than December 1, 2008, a report to the House and Senate Appropriations Subcommittees on State Aid, the State Budget Director, the House and Senate Fiscal Agencies and the Department of Education, specific information related to the *Michigan Virtual School*™ (MVS™) for the preceding state fiscal year.

Background

The *Michigan Virtual School* 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 2007-08 had over 11,000 course registrations. 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 innovative online experiences. Other services include *Michigan LearnPort*®, a statewide Web-based professional development system that provides online courses and training for more than 37,000 active users through a partnership with the Michigan Department of Education (MDE).

Funding for the MVS is provided through a combination of annual appropriations from the Legislature, reduced course fees charged to enrolling schools and 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 Commission on Accreditation and School Improvement (NCA) and the Commission on International and Trans-Regional Accreditation (CITA). The MVS has been 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 develop new options for students and to ensure high quality programs and services.

Scope of the Report

The information provided in this report addresses the seven specific items that are listed in Section 98 (9) of P.A. 268 of 2008, including the schools served by the MVS, online courses provided, registration and completion rates, grant expenditure summaries, identification of unmet needs and career planning and development user data for the period October 1, 2007 - September 30, 2008. Supplemental information is also included in this report that summarizes 2007-08 expenditures for two federal grants that support MVU online learning programs.

Michigan Schools Served by the MVS

From October 1, 2007 - September 30, 2008, the MVS served students enrolled in 496 Michigan local education agencies (LEA), public school academies (PSA), intermediate school districts (ISD) and nonpublic schools, including schools that have been identified by the Michigan Department of Education as schools not meeting adequate yearly progress (AYP). A list of the Michigan schools and school districts served is included in Exhibit 1. In addition, the MVS served 1,397 student enrollments from 827 Michigan home schools during 2007-08. District or school enrollments in MVS courses during this period ranged from a single student enrollment to 320 student enrollments. The average student enrollment per school or district during 2007-08 was 22 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 during the period October 1, 2007 - September 30, 2008. 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 subject matter content areas of English language arts, mathematics, science, social studies, world languages and other special interest courses that include computer science, career

planning and entrepreneurship courses. The list includes 235 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 that have been developed by *MVS* and courses and content licensed from nationally recognized providers. A majority of the *MVS* courses (81.5%) are offered at the high school level, but over 50 online courses are available for middle school students in grades 6-8.

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. These courses also assist Michigan students in meeting the state's innovative online learning graduation requirement.

MVS Online Course Enrollments, Registrations and Completions by Course

The overall average completion rate for the *MVS* courses offered in the Fall 2007, Spring 2008 and Summer 2008 semesters was 73.9 percent. This includes 8,597 Michigan students taking instructor-led, semester-length *MVS* courses and excludes students enrolled in *MVS* summer or after-school enrichment programs, ungraded pilot programs or non-instructor-led courses. Figure 1 provides a summary of the *MVS* student completion rates by curriculum content area. Course completion rates ranged from 63.9 percent in math, to over 75 percent in science and social studies, to 78 percent in world language courses. Examples of courses included in the category "Other" are Basic Software Applications, Career Planning, Entrepreneurship and Computer Programming courses.

Figure 1
2007-08 MVS Average Course Completion Rate by Content Area

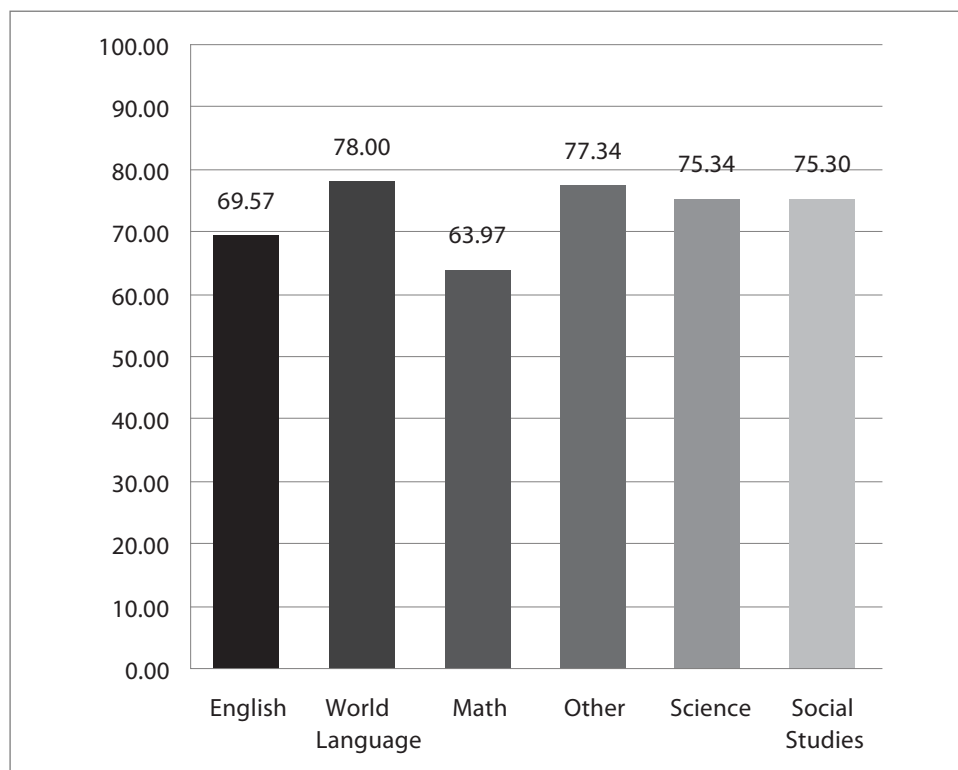
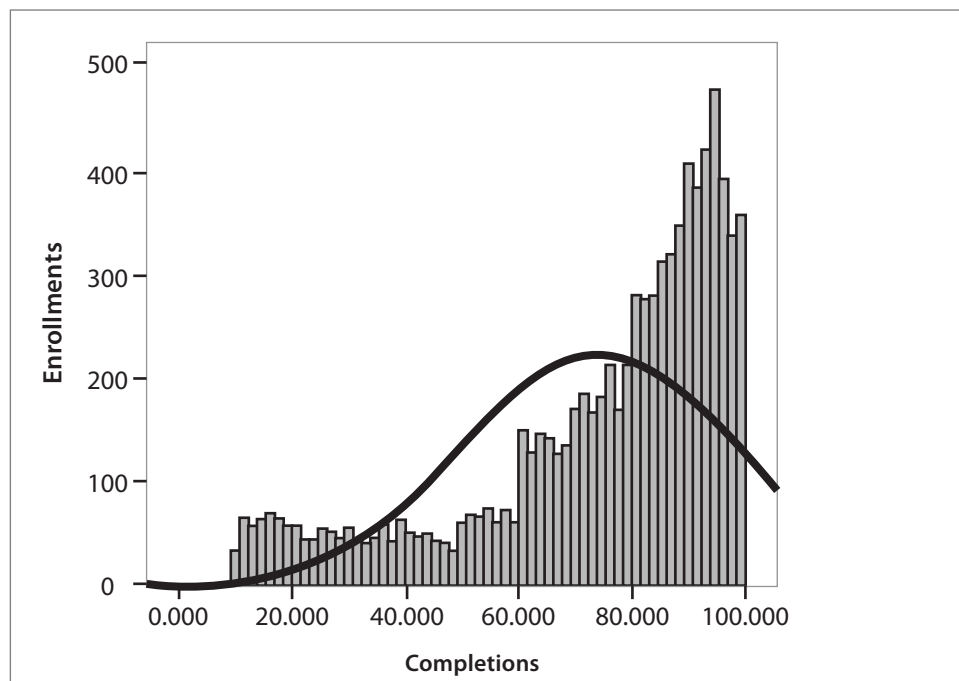


Figure 2 represents the frequency of course completion rates for the 8,597 course completions that occurred between the Fall 2007 and Summer 2008 school years. During that timeframe, there was a fall, spring and summer semester, as well as three trimesters during fall and spring. The histogram does not take into account the students that earned less than 10% of the possible points in each course. These enrollments are commonly recognized as “incompletes” because the students were not active in the course during the entire semester period. The data contained in this graph (and in all data in this report) represents a +/- 1% error rate.

MVS continues to work with local school mentors to facilitate a more timely process to formally drop students from the courses they do not intend to complete or actively participate in. This is an ongoing challenge because some students start slowly in their online courses and gain confidence in this new learning environment as time goes on. *MVS* is constantly working with schools to minimize the number of incompletes and has made great strides with those schools that have developed the local capacity to adequately support online learners.

MVS continues to experience growth in online course enrollments from schools located throughout the state. The 10 courses with the most enrollments for this reporting period are listed below along with the enrollment count and completion rate for each course.

Figure 2: MVS Course Instance and Completion Rates



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

Course Title	Enrollment Totals	Completion Rate
Chinese 1-A	327	74.38
Forensic Science	207	78.65
Spanish 1-B	196	84.75
Career Planning	196	75.71
Spanish 1-A	195	81.07
Anatomy & Physiology	190	81.12
Health Science	189	82.40
Psychology	164	78.64
AP Psychology	155	73.61
American Government	153	66.27
	Total 1,972	Overall Avg. 77.74

The 10 courses listed to the left represent approximately 23 percent of all *MVS* instructor-led courses during the reporting period. *MVS* also had 40 courses during 2007-08 with five or fewer enrollments recorded, including AP Economics, Earth Science, World Geography and Astronomy. The average completion rate for these courses was approximately 72.9 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 indicated that the availability of a robust online course catalog is especially useful 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 that are interested in world language courses, AP courses or advanced math or science courses that are not available at their local school. Other students enroll in *MVS* courses because of a credit recovery need. Most schools

in Michigan do not allow their students to enroll in online courses that are also offered locally. The exception to this trend tends to be courses that students have failed locally in a classroom setting. In responding to these requests, the *MVS* tends to serve students on each end of the achievement spectrum. As a result, the overall completion and achievement rate across all *MVS* courses does not tell the complete story. Another factor that contributes to student success is the important 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

Working with Michigan's K-12 schools over the past decade, *MVU* has developed the capacity and the means to deliver high quality online courses and instructional materials to support a broad range of unmet and emerging needs that are facing the state's students and educators. *MVU* plans 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 math, science, technology and engineering courses and professional development opportunities, expand after-school and summer school enrichment experiences for students, and expand opportunities for Michigan's future educators to become effective online instructors.

1. Reduce Michigan's High School Dropout Rate

The *MVS* and the St. Clair County Regional Educational Service Agency (RESA) are working together to implement a pilot online high school program targeted for students who are not regularly attending school for a variety of reasons, including expulsion, dropout or long-term suspension. This pilot program could be replicated in other regions of the state to help reduce the state's high school dropout rate and increase high school graduation rates and General Educational Development (GED) program completion rates.

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2. New Models for Expanding World Language Course Opportunities for Students

All Michigan students can benefit from a better understanding of the global economy and the rich diversity of language and culture that exists throughout the world. The *MVS* proposes to develop a pilot project to directly assist schools and districts in meeting Michigan's new graduation requirement that students complete two credits of a world language in grades 9-12, or have an equivalent learning experience in grades K-12. This program will specifically include elementary students and teachers from rural, suburban and urban schools across the state and will rely on a blended instructional model that includes face-to-face teaching using Michigan educators, and online language and culture resources and tools delivered via the Internet on a daily basis. The project could also include a professional development component to help prepare elementary educators to facilitate online learning activities in Michigan classrooms. Providing elementary and middle school students with opportunities to learn world languages and better understand world cultures will create new interest in the study of world languages in the middle and high school grades. This approach will also give students the opportunity to meet the state's world language requirement prior to starting high school.

3. Increase Science, Technology, Engineering and Mathematics (STEM) Education Opportunities

The *MVU* and the Michigan Mathematics and Science Centers Network 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 to transform STEM education across the state. A Virtual STEM Academy would emphasize the establishment of connections between STEM-related teaching and learning resources and the educators, students, employers and families who need them. It would 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 K-12 students, educators and parents. The project's virtual nature means it would have the ability to reach all K-12 schools in Michigan and improve educational opportunities in STEM curricula for students throughout the state.

4. Expand After-school and Summer Enrichment Experiences for Students

The *MVS* has developed an innovative summer mathematics and science enrichment program that provides middle school students with opportunities to strengthen their study habits and new skills to help prepare them for the more challenging courses that they will be taking in high school. Working with the Michigan Mathematics and Science Centers Network, the *MVS* can provide a limited number of scholarships to students to participate in these summer programs. The *MVS* and Dickinson-Iron ISD will be implementing an innovative pilot online after-school and summer intervention program that will target eighth-grade students whose Michigan Education Assessment Program (MEAP) scores foreshadow a high probability of failure in ninth-grade Algebra I. A core component of the new *Back on Track: Ready for Algebra! Project* is to provide up to 4,000 students access to online assessment and curricular material and up to 2,400 *MVS* scholarships to the Michigan Virtual Summer Mathematics Camps for students who meet the project's participant criteria. This project is currently funded by a Mathematics Remediation Grant funded through Section 99(a) of Public Act 268 of 2008.

5. Support Preservice Teacher Education Online Instructor Initiatives

MVU is beginning to explore possible collaborative projects with one or more of Michigan's teacher preparation programs to encourage expanded pre-service teacher education skill development with online teaching. The *MVS* can serve as a unique field experience site for student teachers who are interested in teaching in an online environment. The collaborative projects being considered may include opportunities for veteran *MVU* instructors to mentor new teachers, provide online student teaching experiences and share strategies for using blended instruction in face-to-face classroom settings.

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

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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. Grant expenditure summary information for both grant programs for 2007-08 is included as Supplemental Information in Exhibit 4.

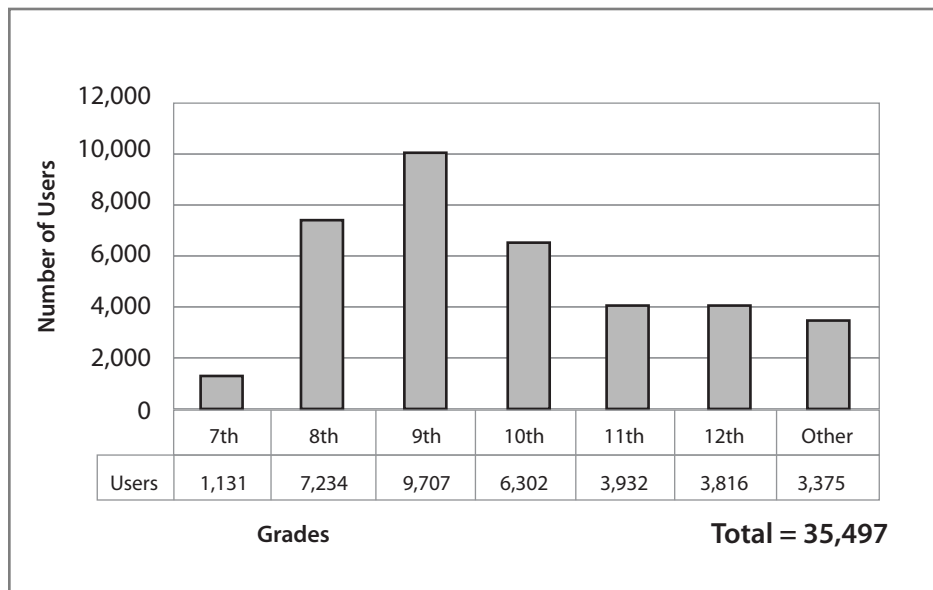
Identify the Number of Active Users of myDreamExplorer

Public Act 123 of 2006 requires Michigan school districts to ensure that each student prepares an educational development plan (EDP) before he or she begins high school. The myDreamExplorer Grant Program provides direct support for this legislative requirement and enables the *MVS* to offer an extensive array of online career development resources for students, educators and parents. The *MVU* and the Branch Intermediate School District have established a successful partnership to provide the technical infrastructure, access and support necessary to implement the statewide license agreement for the *myDreamExplorer*® (MDX) program. This program provides access to a rich set of online career exploration and planning resources for all Michigan elementary, middle and high school buildings and students at no cost.

For the period October 1, 2007 – September 30, 2008, the total number of active users of the MDX program was 35,497 Michigan students. Active users are defined as students that have performed one of more of the following activities: opened an account and created a unique student user login and password; initiated an EDP; explored the

extensive MDX online library of career resources; or taken an online assessment that aligns personal interests and traits with potential careers. Figure 3 provides a summary of the project's active users by grade level. The majority of active users, 23,234 (65.5%) were enrolled in grades 8-10, which is consistent with the requirements of Section 380.1278b (11) of P.A. 123 of 2006. Slightly more than half of the users were female 17,875 (50.4%) compared with 17,622 (49.6%) male users.

Figure 3: 2007-08 myDreamExplorer User by Grade



Ninety-four percent of the 2007-08 active student users were enrolled in a public LEA or PSA, with other users registering as enrolled in a career and technical education center (2%), a non-public school (3%) or a post-secondary institution (1%). Student access to the MDX resources does not terminate upon graduation from high school, and approximately 9.5% of users (Other) continued to access their student accounts after graduation.

Conclusion

Michigan has provided significant leadership for the rest of the nation in online learning and is routinely

6 considered a pioneer in online learning. Two years after Michigan gained national attention as the first state in the U.S. to require online learning as a prerequisite to high school graduation, the state has been ranked as second in the nation for its innovative online learning policy and practice by the Center for Digital Education (CDE). To date the *MVS* has served more than 45,000 course enrollments and the organization continues to work with Michigan schools and educators to provide new opportunities for students to be successful. As this report demonstrates, the *MVS* has developed 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 are very encouraging and provide a strong foundation for expanding enrollments and services in the future.

MVU has adopted specific organizational values that represent a set of core beliefs that continue to build a high performance team environment. These value statements serve as the foundation for *MVU*'s vision and mission statements. *MVU* is committed to the following values:

- High standards for quality, ongoing research and the use of data to improve operational decisions;
- Use of innovative technologies to address persistent educational challenges;
- Listening to customer and stakeholder feedback to guide product and service development plans;
- Excellence in the design, development and delivery of online educational services;
- A professional environment that celebrates creativity, good ideas and initiative; and
- Serving as a responsible steward of public and private resources.

The *MVS* continues to work collaboratively with education leaders in Michigan to address the chronic and persistent problem of students dropping out of school. Online learning provides new opportunities to engage students who are not challenged or engaged by the traditional educational curriculum. In addition, the *MVS* continues to work with the MDE and school districts across the state to explore how educational content can be provided to benefit all learners and address multiple learning styles. 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.

EXHIBIT 1

2007-08 Michigan Schools Served by Michigan Virtual School

A.D. Johnston Jr./Sr. High School
Academy of Oak Park - Mendota Campus
Addison High School
Adlai Stevenson High School
Airport Community High School
Aisha Shule/W.E.B. DuBois Preparatory Academy
Akron-Fairgrove Jr./Sr. High
Albion High School
Alcona High School
Algonac High School
Algonac High School--St. Clair RESA
All Saints Central High School
Allegan High School
Allen Park High School
Allendale High School
Almont High School
Amy Firth Middle School
Annapolis High School
Arenac Eastern High School
Armada Area School
Athens Area High School
Atlanta Jr/Sr High School
Bad Axe High School
Bahweting Anishnabe PSA
Baldwin Senior High School
Baraga Area School
Bath High School
Bay City Central High School
Bay City Western High School
Bear Lake High School
Belding High School
Belding Middle School
Bellaire High School
Belleville High School
Bellevue High School
Bentley Senior High School
Benton Harbor High School
Benzie Central Sr. High School
Berkley High School
Birch Run High School

Blissfield High School
Bloomfield Hills Andover High School
Bloomington High School
Boyne City Alt. Ed. Boyne Valley Campus
Boyne City High School
Boyne Falls Public School
Bridgeport High School
Bridgman High School
Brimley Jr./Sr. High
Bronson Jr./Sr. High School
Brother Rice High School
Buchanan High School
Buckley Community School
Bullock Creek High School
Burt Township School
Byron Center Charter School
Byron Center High School
Caledonia High School
Calhoun Area Technology Center
Calvary Christian School
Calvary Schools of Holland
Camden-Frontier High School
Capac High School--St. Clair RESA
Capital Area Career Center
Caro Community School
Carrollton Omni Adult and Alternative Education
Caseville School
Cass City High School
Cedarville High School
Center Line High School
Central Academy
Central High School--GR
Central Montcalm High School
Centreville Senior High School
Charlotte Senior High School
Chassell K-12 School
Cheboygan Area High School
Chelsea High School
Chesaning Union High School
Chester F. Miller School

SUPPLEMENTAL INFORMATION

Exhibit 1:

List of the Michigan Schools and School Districts Served

Exhibit 2:

List of the Online Courses Offered by the *MVS* to Michigan Schools

Exhibit 3:

2007-08 *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

Chippewa Hills High School
City High School
Clarenceville High School
Clarkston High School
Clement School
Climax-Scotts Jr./Sr. High School
Coldwater High School
Coleman High School
Columbia Central High School
Community High School
Comstock High School
Comstock Park High School
Concord Academy - Petoskey
Consortium College Preparatory High School
Constantine High School
Coopersville High School
Corunna High School
Countryside Charter School-High School
Cousino Senior High School
Covert High School
Creative Technologies Academy
Creston High School
Crockett Technical High School
Crossroads Charter Academy
Crosswell-Lexington High School
Dakota High School
Dansville High School
Davis Aerospace High School
Davis Junior High School

Decatur High School
DeLaSalle Collegiate High School
Delton Kellogg High School
DeTour High School
Detroit Academy of Arts and Sciences High School
Detroit Community High School
Dewitt High School
Dexter High School
Divine Child High School
Dollar Bay High School
Doris Klaussen Dev. Center
Dryden High School
Dundee High School
Durand Area High School
DVA/Fordson
Dwight D. Eisenhower High School
East Detroit High School
East Grand Rapids High School
East Kentwood High School
East Lansing High School
Eaton Rapids High School
8 Ecorse Alternative Ed.
Ecorse Community High School
Edwardsburg High School
Elk Rapids High
Ellsworth Community School
Engadine High School
Eppler Junior High School
Ernest W. Seaholm High School
Escanaba Area Senior High School
Eton Academy
Everett High School
Ewen-Trout Creek Consolidated School District
Fairview High School
Faithway Christian School
Farmington High School
Fennville Public High School
Fenton Senior High School
Ferndale High School
Flat Rock High School
Forest Area High School
Forest Hills Central High School
Forest Hills Eastern High School
Forest Hills Northern High School
Forest Park School

Fowlerville High School
Fr. Gabriel Richard High School
Frankenmuth High School
Frankfort High School
Franklin Center
Franklin High School
Fraser High School
Freedom Baptist High School
Fremont High School
Garber High School
Garden City High School
Gaylord High School
Genesee High School
Glen Lake Secondary School
Godwin Heights High School
Grand Blanc Academy
Grand Blanc High School
Grand Ledge High School
Grass Lake High School
Grayling High School
Greenville Senior High School
Grosse Ile High School
Grosse Pointe North High School
Grosse Pointe South High School
Gull Lake High School
Hale High School
Hamady Community High School
Hamilton High School
Hancock Central High School
Hanover-Horton High School
Harper Creek High School
Harper Woods High School
Harrison Community High School
Hart High School
Hartford High School
Hartland High School
Haslett High School
Henry Ford Academy
Henry Ford II High School
Herig School
Heritage High School
Heritage Junior High School
HH Dow High School
Hillsdale High School
Holly High School

Holt High School
Holt Lutheran Schools
Homer Community Schools
Hopkins High School
Houghton High School
Houghton Lake Community Education
Howell High School
Hudson Area High School
Hudsonville High School
Huron High School - New Boston
Huron High School-Ann Arbor
Ida High School
Inland Lakes High School
International Academy of Flint
Ionia High School
Iron Mountain High School
Ishpeming High School
Ithaca High School
Jackson Area Career Center
Jackson High School
Jeannette Junior High School
Johannesburg-Lewiston High School
John Glenn Senior High School
Kalamazoo Advantage Academy
Kalamazoo Central High School
Kalamazoo Christian High School
Kalkaska High School
Kempton Elementary School
Kenowa Hills High School
Kensington Woods High School
Kent City High School
Kingsford High School
Kraft Meadows Middle School
Ladywood High School
Lake City High School
Lake Linden Hubbell Jr./Sr. High School
Lake Michigan Catholic School
Lake Orion Community High School
Lakeland High School
Laker High School
Lakeshore High School
Lakeshore Middle School
Lakeview High School (Calhoun)
Lakeview High School (Macomb)
Lakeville Community Schools

L'Anse Creuse High School
L'Anse Creuse High School North
Lansing Catholic Central High School
Lansing Eastern High School
Lapeer West Senior High School
LaSalle High School
Lawrence Jr./Sr. High
Lawton High School
Lee High School
Lee M. Thurston Sr. High School
Leland Public School District
Leslie High School
Lincoln High School
Lincoln Park High School
Lincoln Senior High School
Linden High School
Livingston Christian schools
Lowell High School
Loy Norrix High School
Lumen Christi High School
Luther L. Wright High School
Lutheran High School NW
Lutheran High School Westland
Lutheran High School-North
Mackinac Island School
Malcolm High School
Malow Junior High School
Mancelona High School
Manchester High School
Manistee Catholic Central School
Manton Consolidated High School
Maple Valley Jr/Sr High School
Marion High School
Marlette High School
Marquette Senior High
Marshall High School
Martin High School
Marysville High School--Marysville
Marysville High School--St. Clair RESA
Mason County Eastern Junior High/High School
Mason High School (Ingham)
Mason Senior High School (Monroe)
Math and Science Center - Huron
Math and Science Center-Allegan
Math and Science Center-Capitol Area

Math and Science Center-Dickinson-Iron-Menominee
Math and Science Center-Eastern UP
Math and Science Center-Ingham ISD
Math and Science Center-Wayne County
Mattawan High School
McBain High School
Memphis High School--St. Clair RESA
Mendon High School
Merrill High School
Mesick High School
Michigan Center Jr/Sr High School
Midland Academy of Advanced/Creative Studies
Midland High School
Mid-Peninsula School
Milan High School--MHS
Milford High School
Millington High School
Mona Shores High School
Monroe High School
Montabella High School
Montcalm School for Boys
Morey Charter School
Morley Stanwood High School
Morrice Area High School
Mt. Morris Consolidated Schools
Mt. Pleasant Senior High School
Munising High School
Muskegon Catholic Central High School
Muskegon High School
Napoleon High School
Neil E. Reid High School
New Buffalo High School
Niles Senior High School
North Adams High School
North Central Area Junior/Senior High School
North Dickinson School
North Farmington High School
North Huron Secondary School
North Muskegon High School
North Star Academy
NorthPointe Christian High School
Northport Public School
Northview High School
Northville High School
Northwest Academy

Northwest High School
Northwoods Math Science & Technology Center
Norway High School
Notre Dame Preparatory School
Novi High School
Oak Park High School
Oakland International Academy
Oakland Schools Technical Campus - Southwest
Oakview Middle School
Ogemaw Heights High School
Ojibwe Charter School
Old Redford Academy - High
Olivet High School
Onkama School Middle/High School
Onsted Alternative Ed. Program
Onsted High School
Ontonagon Area Jr/Sr High School
Orchard View High School
Oscoda Area High School
Otsego High School
Ovid - Elsie High School
Owendale-Gagetown Jr/Sr HS
Owosso High School
Oxford High School
Parcells Middle School
Parchment High School
Paw Paw High School
Peck High School
Pennfield High School
Perry High School
Petoskey High School
Pewamo-Westphalia High School
Pickford High School
Pinckney Community High School
Pioneer High School
Plainwell High School
Plymouth Christian Academy
Plymouth Christian High School
Pontiac Academy for Excellence
Port Huron High School--St. Clair RESA
Port Huron Northern High School--St. Clair RESA
Portage Community High School
Portland High School
Pottsville High School
Powell Twp. Elementary School

Powers Catholic High School
Quincy High School
Reeths-Puffer High School
Renaissance High School
Republic-Michigamme Schools
Richmond Community High School
River Valley High School
Riverside Academy
Riverview Community High School
Roberto Clemente Center
Robichaud Sr/Jr High School
Rochester Adams Senior High School
Rochester High School
Roper City & County Middle & Upper School
Rogers City High School
Rogers High School
Romeo High School
Romulus Senior High School
Roscommon High School
Ross Beatty High School
Rudyard High School
10 Saginaw Arts & Sciences Academy
Saline Alternative Ed
Saline High School
Saline Middle School
Sand Creek Jr/Sr High School
Saranac High School
Saugatuck High School
Sault Ste. Marie Area High School
School to Work Academy
Schoolcraft High School
Shelby Junior High School
Shepherd Public School
Shrine Catholic High School
South Christian High School
South Haven High School
South Lyon East High School
South Lyon High School
Southgate Anderson High School
Sparta Senior High School
Spring Lake High School
St. Charles Community High School
St. Clair High School--St. Clair RESA
St. Francis of Assisi School
St. Johns High School

St. Louis Public Schools
St. Mary School
St. Mary's Prep
St. Philip Catholic Central
Stephenson High School
Sterling Heights Senior High School
Stockbridge High School
Stone High School - Ann Arbor
Stone School - Saginaw
Stoney Creek High School
Sturgis High School
Summerfield High School
Superior Central School
Suttons Bay High School
Suttons Bay Middle School
Swan Valley High School
Swartz Creek High School
TBAISD Career Tech Center
Tecumseh High School
Tekonsha Senior High School
The Potters House High School
Thomas-Gist Academy North
Thornapple Kellogg High School
Three Rivers High School
Tinkham Alternative Education
Tomlinson School
Traverse City Central High School
Traverse City West High School
Tri County Senior High School
Trillium Academy
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-High
Utica High School
Valley Lutheran High School
Van Buren Voc-Tech Center
Vanderbilt Area School
Vandercook Lake High School
Vassar Senior High School
Vestaburg Community High School

Wakefield-Marenisco School District
Waldron Area High School
Walkerville High School
Walled Lake Central
Walled Lake Northern
Walled Lake Western
Warren Woods Tower High School
Washtenaw Christian Academy
Watervliet High School
Wayne Memorial High School
WayPoint Academy
West Catholic High School
West Highland Christian Academy
West Iron County High School
West Michigan Lutheran High School
West Village Academy North
Western High School
White Pine Middle School
Whitefish Township School
Whitehall Senior High School
Whitmore Lake High School
Whittemore-Prescott High School
Williamston High School
Wolverine Middle/High School
Wyoming Park High School
Yale High School--St. Clair RESA
Zeeland West High School

EXHIBIT 2

2007-08 Michigan Virtual School Courses

Algebra (Pre-Algebra) 1A	AP English Lit/Comp 1B	Chemistry B
Algebra (Pre-Algebra) 1A (*MMC)	AP Environmental Science 1A	Chinese 1A
Algebra (Pre-Algebra) 1B	AP Environmental Science 1B	Chinese 1B
Algebra (Pre-Algebra) 1B (*MMC)	AP French 1A	Chinese 2A
Algebra 1A	AP French 1B	Chinese 2B
Algebra 1A	AP Macroeconomics	Civics
Algebra 1A (*MMC)	AP Microeconomics	Civics
Algebra 1B	AP Physics B 1A	Civics (*MMC)
Algebra 1B	AP Physics B 1B	Civics 1A (*MMC)
Algebra 1B (*MMC)	AP Psychology	Composition (Advanced)
Algebra 2A	AP Spanish 1A	Composition (Beginning)
Algebra 2A	AP Spanish 1B	Digital Photography & Graphics 1A
Algebra 2A (*MMC)	AP Statistics 1A	Directors of the Golden Age
Algebra 2B	AP Statistics 1B	Earth Science 1A (*MMC)
Algebra 2B	AP US Gov/Politics	Earth Science 1B (*MMC)
Algebra 2B (*MMC)	AP US History 1A	Earth Science A
American Film Survey	AP US History 1B	Earth Science B
American Government	Art Appreciation	Economics
American History 1A	Astronomy	Economics (*MMC)
American History 1A	Astronomy (7th)	Employability Skills
American History 1A (8th)	Basic Software Applications	English 10A
American History 1B	Bioethics	English 10A (*MMC)
American History 1B	Biology 1A	English 10B
American History 1B (8th)	Biology 1A (*MMC)	English 10B (*MMC)
American History 2A	Biology 1B	English 11 - Am Lit - 1A
American History 2B	Biology 1B (*MMC)	English 11 - Am Lit - 1B
Anatomy & Physiology 1A	Biology A	English 11- Brit Lit- 1A (*MMC)
Anatomy & Physiology 1B	Biology B	English 11- Brit Lit- 1B (*MMC)
AP Art History 1A	British and World Literature A	English 11A
AP Art History 1B	Business Ethics	English 11B
AP Biology 1A	C++ Programming 1A (Introduction)	English 12 - Am Lit - 1A (*MMC)
AP Biology 1B	C++ Programming 1B (Introduction)	English 12 - Am Lit - 1B (*MMC)
AP Calculus AB 1A	Calculus (Pre-Calculus) 1A	English 12 - Brit Lit - 1A
AP Calculus AB 1B	Calculus (Pre-Calculus) 1B	English 12 - Brit Lit - 1B
AP Calculus BC 1A	Calculus 1A	English 12A
AP Calculus BC 1B	Calculus 1B	English 12B
AP Chemistry 1A	Career Planning	English 7A
AP Chemistry 1B	Chemistry 1A	English 9A
AP Computer Science 1A	Chemistry 1A (*MMC)	English 9A
AP Computer Science 1B	Chemistry 1B	English 9A (*MMC)
AP English Lang/Comp 1A	Chemistry 1B	English 9B
AP English Lang/Comp 1B	Chemistry 1B (*MMC)	English 9B (*MMC)
AP English Lit/Comp 1A	Chemistry A	English I: Introduction to Lit. and Comp. A

English I: Introduction to Lit. and Comp. B
 English II: Critical Reading & Writing A
 English II: Critical Reading & Writing B
 Entrepreneurship I
 Entrepreneurship II
 Environmental Science 1A
 Environmental Science 1B
 Essential Reading Skills
 Flash Animation 1A
 Forensic Science (Advanced)
 Forensic Science (Introduction)
 French 1A
 French 1B
 French 2A
 French 2B
 Game Design 1A
 Geography
 Geography A
 Geography B
 Geometry 1A
 Geometry 1A (*MMC)
 Geometry 1B
 Geometry 1B (*MMC)
 Geometry A
 Geometry B
 German 1A
 German 1B
 German 2A
 German 2B
 Global Issues
 Health Science 1A
 Health Science 1B
 Human Space Exploration
 Introductory Algebra A
 Introductory Algebra B
 Journalism
 Language Arts (Advanced) 1A (6th)
 Language Arts (Advanced) 1B (6th)
 Language Arts (Advanced) 2A (7th)
 Language Arts (Advanced) 2B (7th)
 Language Arts (Advanced) 3A (8th)
 Language Arts (Advanced) 3B (8th)
 Language Arts 1A (6th)
 Language Arts 1B (6th)
 Language Arts 2A (7th)
 Language Arts 2B (7th)
 Language Arts 3A (8th)

Language Arts 3B (8th)
 Latin 1A
 Latin 1B
 Latin 2A
 Latin 2B
 Legal Issues
 Life & Job Skills
 Life Science A
 Life Science B
 Math Fundamentals
 Math Skills 1A
 Math Skills 1B
 Mathematics (Advanced) 1A (6th)
 Mathematics (Advanced) 1B (6th)
 Mathematics (Advanced) 2A (7th)
 Mathematics (Advanced) 2B (7th)
 Mathematics (Advanced) 3A (8th)
 Mathematics (Advanced) 3B (8th)
 Mathematics 1A (6th)
 Mathematics 1B (6th)
 Mathematics 2A(7th)
 Mathematics 2B(7th)
 Mathematics 3A (8th)
 Mathematics 3B (8th)
 Microsoft Office XP
 Music Appreciation 1A
 Native American History
 Oceanography 1A
 Oceanography 1B
 Personal Finance
 Personal Fitness
 Physical Science 1A
 Physical Science 1B
 Physical Science A
 Physical Science B
 Physics 1A
 Physics 1A (*MMC)
 Physics 1B
 Physics 1B (*MMC)
 Psychology 1A
 Psychology 1A (*MMC)
 Psychology 1B
 Psychology 1B (*MMC)
 Reading 1 (6th)
 Reading Readiness
 Reading Strategies for the Digital Age
 Science (Comprehensive) (Advanced) 1A (6th)

Science (Comprehensive) (Advanced) 1B (6th)
 Science (Comprehensive) (Advanced) 2A (7th)
 Science (Comprehensive) (Advanced) 2B (7th)
 Science (Comprehensive) (Advanced) 3A (8th)
 Science (Comprehensive) (Advanced) 3B (8th)
 Science (Comprehensive) 1A (6th)
 Science (Comprehensive) 1B (6th)
 Science (Comprehensive) 2A (7th)
 Science (Comprehensive) 2B (7th)
 Science (Comprehensive) 3A (8th)
 Science (Comprehensive) 3B (8th)
 Skills for Health
 Sociology
 Spanish 1A
 Spanish 1B
 Spanish 2A
 Spanish 2B
 Statistics & Probability 1A (*MMC)
 Statistics & Probability 1B (*MMC)
 Study Skills
 Trigonometry 1A
 Trigonometry 1B
 U.S. Government and Politics
 U.S. History A
 U.S. History B
 US Government A
 US History & Geography 1A (*MMC)
 US History & Geography 1B (*MMC)
 Web Design Basics HTML
 World & Geography 1B (*MMC)
 World Civilization 1A
 World Civilization 1A (*MMC)
 World Civilization 1B
 World Civilization 1B (*MMC)
 World Cultures (6th)
 World Cultures (Advanced) (6th)
 World Geography (7th)
 World Geography (Advanced) (7th)
 World History & Geography 1A (*MMC)
 World History A
 World History B
 World Literature

EXHIBIT 3

2007-08 MVS Summary of Courses, Enrollment & Completion Rates

CLASS TITLE	TOTAL N	Ave. Completion Rate
Algebra 1	2	94.56
Algebra1 A	80	67.57
Algebra1 A MMC	82	58.17
Algebra1 B	76	65.95
Algebra 1 B MMC	67	69.15
Algebra 2 A	54	59.81
Algebra 2 A MMC	17	58.80
Algebra 2 B	59	80.58
American Government	153	66.27
American History A	95	77.10
American History B	59	81.07
American Lit A MMC	14	71.11
American Lit A	25	77.96
American Lit B MMC	15	58.06
American Lit B	24	74.95
Anatomy & Physiology A	190	81.12
Anatomy & Physiology B	76	84.27
AP Chemistry 1	17	70.59
AP Chemistry 2	4	87.00
AP French 1	11	72.00
AP French 2	9	57.39
AP Microeconomics	1	85.98
AP Psychology	155	73.61
AP Spanish 1	22	69.71
AP Spanish 2	11	64.44
AP Statistics 1	25	77.39
AP Statistics 2	15	81.07
Astronomy	91	74.82
Art Appreciation	22	76.59
Digital Photography	118	79.45
Flash Animation 1A	25	84.34
Game Design 1A	33	78.51
Japanese 1A	53	67.83
Japanese 1B	9	71.32
Music Appreciation 1A	21	83.88
Physical Science A	24	42.17
Physical Science B	10	64.67
Biology 1	1	90.47
Biology 2	1	54.40
Bioethics	74	81.04
Biology A MMC	14	76.32
Biology A	54	72.26

CLASS TITLE	TOTAL N	Ave. Completion Rate
Biology B MMC	8	73.43
Biology B	32	76.39
British Lit A MMC	24	65.29
British Lit A	27	79.76
British Lit B MMC	10	58.08
British Lit B	2	93.38
Business Ethics	108	87.47
Calculus A	26	66.86
Calculus B	5	51.00
Career Planning	196	75.71
Chemistry 1	2	82.98
Chemistry 2	1	17.09
Chemistry A MMC	12	63.15
Chemistry A	26	62.86
Chemistry B MMC	4	75.10
Chemistry B	14	64.60
Chinese 1A	327	74.38
Chinese 1B	72	76.86
Chinese 2A	12	67.03
Chinese 2B	9	84.42
Civics MMC	10	91.91
Civics	37	76.28
Composition (Advanced)	45	65.05
Composition (Beginning)	75	70.45
C ++ Programming 1A	96	69.99
C ++ Programming 1B	23	72.86
Earth Science A MMC	9	80.12
Earth Science A	23	68.08
Earth Science B MMC	5	63.71
Earth Science B	10	51.43
Economics MMC	37	80.95
Economics	119	73.40
Employability Skills	151	80.31
English 10A MMC	16	57.53
English 10 A	47	60.01
English 10B MMC	6	72.16
English 10B	45	71.46
English 9A MMC	38	60.98
English 9A	39	58.50
English 9B MMC	24	55.50
English 9B	27	67.88

CLASS TITLE	TOTAL N	Ave. Completion Rate
Entrepreneurship A	84	77.23
Entrepreneurship B	17	88.30
Environmental Science A	25	71.26
Environmental Science B	11	69.18
Directors of the Golden Age	27	79.76
American Film Survey	123	72.84
AP Art History A	13	65.21
AP Art History B	8	88.75
AP Biology A	21	77.16
AP Biology B	14	80.98
AP Computer Science A	23	79.77
AP Computer Science B	10	87.75
AP English Lang Comp A	14	88.50
AP English Lang Comp B	12	84.04
AP English Lit Comp A	20	73.06
AP English Lit Comp B	13	91.52
AP Macroeconomics	34	83.71
AP Microeconomics	26	77.23
Latin 1A	75	77.99
Latin 1B	39	88.48
Latin 2A	13	80.42
Latin 2B	8	87.19
Science (Comp) (7th)	1	17.85
Science (Comp) (6th)	3	81.22
Science (Comp)(8th)	1	94.84
Language Arts 2 (7)	3	68.36
Language Arts 3 (8)	1	64.53
Math Fundamentals 1A	5	56.74
Mathematics 1 (6th)	1	83.80
Mathematics 2 (7th)	1	31.27
Mathematics 3A (8th)	2	92.17
Mathematics 3B (8th)	2	85.90
Reading 1A (6th)	1	79.71
World Cultures (6th)	1	17.26
Personal Fitness	53	66.54
Forensic Science (Intro)	207	78.65
Forensic Science (Advanced)	29	76.52
French 1	8	69.73
French 2	2	90.86
Geography	41	78.59
Geometry 2	1	28.32
Geometry 1A MMC	16	65.29
Geometry A	28	64.18
Geometry A MMC	29	67.28

CLASS TITLE	TOTAL N	Ave. Completion Rate
Geometry B	32	68.19
Geometry B MMC	35	60.25
Global Issues	73	72.38
Skills for Health	9	69.67
Health Science A	189	82.40
Health Science B	133	87.38
Human Space Exploration	19	84.94
Intro. to Lit. & Comp.	1	83.84
Journalism	59	81.49
Basic Software Applications	35	81.83
Legal Issues	73	67.26
Math Camp	205	39.06
Math Fundamentals A	3	95.95
Math Skills A	87	70.05
Math Skills B	36	67.88
AP Calculus AB 1	25	83.46
AP Calculus AB 2	18	79.15
AP Calculus BC 1	10	84.20
AP Calculus BC 2	10	84.96
AP Environmental Science A	12	86.29
AP Physics B1	25	75.51
AP Physics B 2	15	84.84
AP US Government Pol	35	81.90
AP US History 1	34	75.29
AP US History 2	33	71.61
Environmental Science B	9	93.04
Astronomy (7th)	2	40.51
Microsoft Office XP	25	67.77
World Geography (7th)	1	88.38
World Geography (Adv) (7th)	1	16.43
Native American History	35	76.40
Oceanography A	113	77.66
Oceanography B	29	71.08
OSCAR (Dev.)	9	78.52
Personal Finance	100	66.91
Physics A MMC	53	66.68
Physics B MMC	17	81.60
PreAlgebra A MMC	19	86.22
PreAlgebra A MMC	10	60.25
PreCalculus A	38	61.17
PreCalculus B	18	70.34
Probability & Stats A MMC	18	55.60
Psychology A MMC	4	90.03
Psychology A	164	78.64
Psychology B	50	81.67

CLASS TITLE	TOTAL N	Ave. Completion Rate
Earth Science 1	4	65.75
French 1A	118	81.79
French 1B	68	77.08
French 2A	35	80.33
French 2B	28	80.66
French	7	81.40
German 1A	143	83.28
German 1B	81	71.16
German 2A	33	84.93
German 2B	21	88.22
German	6	77.30
French 1A	6	64.98
French 1B	1	91.11
French 1	1	92.71
Spanish 1A	10	46.09
Spanish 1A	195	81.07
Spanish 1B	196	84.75
Spanish 2A	81	72.25
Spanish 2B	87	76.17
Reading Strategies	14	69.25
Reading Readiness 1	2	90.56
Reading Readiness 2	1	89.12
Science Camp	96	34.17
American Sign Lang. (Dev)	3	91.00
Sociology	125	74.07
Spanish 1	8	56.56
Spanish 2 A	6	87.53
Spanish 2 B	3	86.61
Study Skills	126	87.71
Trigonometry A	45	79.08
Trigonometry B	25	82.34
US Government	7	80.73
US History 1	3	75.90
US History 2	2	53.62
US History & Geography A	18	72.83
US History & Geography B	9	72.90
Web Design Basics	80	76.31
World Civilization A	85	78.27
World Civilization B	36	72.18
World History 1	15	70.73
World History 2	6	76.63
World Hist. & Geog. A MMC	28	61.08
World Hist. & Geog. B MMC	11	78.44
World Literature	49	68.76

MICHIGAN VIRTUAL UNIVERSITY**Title IIA, Teacher Quality Grant
Expenditures from October 1, 2007 - September 30, 2008**

Salaries and Fringe Benefits	\$ 616,688.35
Staff Consulting Services	16,214.62
Travel, Conferences, Training	18,713.44
Supplies	923.59
Product Development	108,283.54
Project Costs (Opportunities 2008)	42,594.00
License, reg.: courses, software, other	10,174.30
Instructors and Materials	34,500.00
Hosting and Technical Support	118,649.07
Communication and Outreach	22,926.13
Equipment Expenditures	1,984.34
Administration	154,295.36
TOTAL	\$ 1,145,946.74¹

All Title II A expenditures approved by MDE through a memorandum of understanding.

**Title IID, Education Technology Grant
Expenditures from October 1, 2007 - September 30, 2008**

Ingham ISD serves as Project Fiscal Agent

Middle School Course Scholarship Support	\$ 34,200.00
High School Course Scholarship Support	165,000.00
Math and Science Summer Camp and Summer School Coordinator	41,286.00
Course Development, Instructor Training and PD	148,580.00
Web-streaming hardware and bandwidth	136,783.60
Researcher Fees and Related Expenses	23,500.00
Outreach and Web Resource Materials	51,239.21
ELC Related Project Staff Costs	308,516.38
SUBTOTAL	909,105.19
INDIRECT COSTS:	
Ingham ISD Indirect Portion	65,420.00
Ingham ISD Professional Development Portion	50,000.00
TOTAL	\$ 1,024,525.19²

(1) Total includes \$11,927 of Title A carryover from the 2006-07 grant.

(2) Total includes \$77,312 of Title IID carryover from the 2006-07 grant.

