# A REPORT TO THE

## LEGISLATURE

*Prepared by Michigan Virtual University*

December 1, 2011

# MVU Board of Directors

*MVU*® is a nonprofit Michigan corporation that was 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 education and business communities.

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**T**his report is submitted in compliance with Section 98 (8) of Public Act 62 of 2011, which requires the *Michigan Virtual University® (MVU®)* to provide not later than December 1, of each fiscal year, 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® (MVS®)* for the preceding state fiscal year.

## Background

The *Michigan Virtual School* and *Michigan LearnPort* are the core divisions of *MVU*, a 501(c)(3) nonprofit organization that works in partnership with K-12 schools to supplement and expand online learning opportunities. For the past 12 years *MVU* has provided leadership to accelerate the adoption and use of online learning within Michigan. Working in partnership with hundreds of Michigan schools, *MVU* offers classes to students and professional development programs for educators through online Web-based services. The *MVS* was created by Public Act 230 of 2000 to serve both traditional and nontraditional students and since its inception has recorded over 98,000 course registrations. During the 2010-11 academic year, the *MVS* had 17,712 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 other innovative online experiences. Other *MVU* services include *Michigan LearnPort*, a statewide Web-based professional development system that provides more than 840 online courses and training modules for Michigan educators and school employees; and *myDreamExplorer®* (*MDX*), a rich collection of online career exploration and planning resources that supported over 26,460 middle and high school students during 2010-11.

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 2010 the *MVS* completed a rigorous Quality Assurance Review process that is a requirement for renewing and maintaining its approved accreditation status through AdvancED®, and their North Central Association Commission on Accreditation and School Improvement (NCA CASI) and Commission on International and Trans-Regional Accreditation (CITA) programs. This comprehensive program evaluation process recognizes *MVS's* commitment to providing high quality online instructional services and the five-year accreditation renewal was awarded in January 2011. The *MVS* continues to be recognized as one of the leading and largest virtual schools in the U.S., and it works in collaboration with a national network of K-12 online learning organizations to promote the development of high quality programs and services for students and educators.

## Expanding Educational Opportunities in Michigan

As Governor Snyder stated in his April 2011 Special Message on Education Reform, *"Access to quality education is no longer solely dependent on local classrooms and textbooks. A new global market has emerged as parents, schools and students are realizing the power and effectiveness of online learning. The time has come to embrace innovative learning tools for all Michigan students."* The Governor's ambitious proposals to restructure education in Michigan recognize that online learning will be a key component in transitioning learning environments from traditional classroom-based models to customized competency-based, technology-rich ecosystems.

Since beginning its work in 1998 *MVU* has played three key roles to support and accelerate the growth and development of online learning in Michigan's K-12 schools. Figure 1 highlights these distinct, but complementary efforts.

Initially the organization served as a change agent at a time when most school leaders and parents were not familiar with online learning. Over the past decade *MVU* has invested significant time and resources to help create a general awareness of online learning for Michigan's students, parents and educators. The organization has also supported the introduction of online courses in hundreds of individual local schools across the state.

As school leaders developed an appreciation for the value and potential of online instruction, *MVU* became a service provider of high quality online courses and career planning tools. These efforts included helping schools develop local support systems to ensure student success through mentor training, technical support and helpdesk services. *MVU* also introduced innovative online professional development programs and services for all Michigan K-12 education personnel in partnership with the Michigan Department of Education (MDE). As course enrollments expand *MVU* continues to offer new and effective online services for K-12 schools and educators.

A third role for *MVU* has evolved as schools adopt locally developed online learning programs, including blended instruction models using classroom-based and online resources. For *MVU*, this capacity building role includes helping schools with teacher training, acquiring online content, online assessments, quality assurance, evaluation, and infrastructure and technical support services. *MVU's* statewide outreach activities are designed to help determine how the organization can best assist and support local implementation efforts. This cycle of innovation, quality service and customer support continues to evolve as *MVU* works in collaboration with educators, schools, students and parents.

## 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. 62 of 2011. 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, 2010 - September 30, 2011 and the identification of unmet needs that could be addressed by the *MVS*. Supplemental information is included in this report that summarizes 2010-11 expenditures for two federal grants that support *MVU* online learning programs.

## Michigan Schools Served by the MVS

From October 1, 2010 - September 30, 2011 the *MVS* served students enrolled in 464 Michigan local education agencies (LEAs), public school academies (PSAs), intermediate school districts (ISDs) and nonpublic schools, including schools that have been identified by the MDE as not meeting adequate yearly progress (AYP). A complete list of the Michigan schools served during 2010-11 is included in Exhibit 1. These schools accounted for 14,703 *MVS* course registrations over the past year. In addition, the *MVS* had 2,559 student registrations from 1,520 Michigan home schools during 2010-11. School enrollments in *MVS* courses over the past year ranged from a single student enrollment to 625 student enrollments. The average student enrollment per school or district during 2010-11 was 32 students.

Figure 2 provides a geographic representation of *MVS* course registrations by county units for the public, nonpublic and home schools that enrolled students during 2010-11. During this period, schools and families in 77 of the state's 83 counties were supported with *MVS* online courses and programs.

## 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, 2010 - September 30, 2011. 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 302 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 enrichment experiences for students. These online courses include those

**Figure 2**
**2010-11 MVS Course Enrollments by County Jurisdictions**



- □ > 1,000 Registrations
- □ 501 - 1,000 Registrations
- □ 101 - 500 Registrations
- □ 51 - 100 Registrations
- □ 1 - 50 Registrations
- □ No Registrations
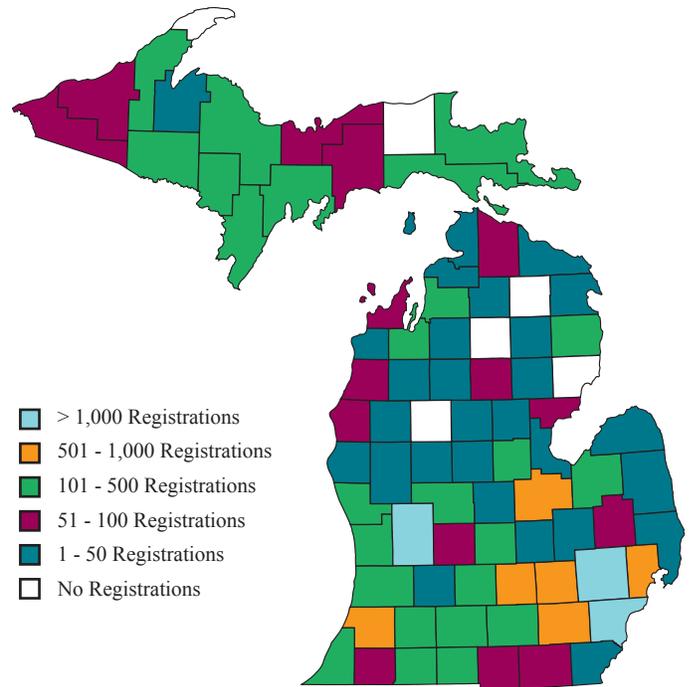
developed by *MVS* and courses and content licensed from nationally recognized providers. A majority of the *MVS* courses (79%) are offered at the high school level, but approximately 62 online courses are available for middle school students in grades 6-8.

The adoption of the MMC in 2006 prompted the *MVS* to initiate an intensive multi-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 and other *MVS* online courses are under constant review to improve their instructional design and student success rates. The courses offered through the *MVS* are designed to 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 2010, spring 2011 and summer 2011 semesters was 85.9 percent. This includes 12,807 Michigan student enrollments in semester-length instructor-led *MVS* courses and excludes students enrolled in *MVS* summer enrichment programs, ungraded pilot programs or non-instructor-led courses. The *MVS* course completion rate is calculated by dividing the number of enrollments that earned 60% or more of the final points by the number of enrollments that earned 10% or more of the final points. It is a common practice in online learning to drop enrollments with less than 10 percent of the possible points to correct for students who didn't attend or who had little to no significant activity in their courses.

Figure 3 provides a summary of the *MVS* course completion rates by curriculum content area. Course completion rates ranged from over 80 percent in English language arts and mathematics courses, to over 86 percent in science, social studies, world languages and other elective courses. As previously noted, the category titled "Other" includes elective courses such as Basic Software Applications, Career Planning, Digital Communication and Imaging, Entrepreneurship and Music Appreciation.

The 2010-11 *MVS* student course completion rates by individual course title can be found in Exhibit 3. Figure 4 represents the frequency of students' final scores for the 12,807 course enrollments used to calculate the

**Figure 4**
**Frequency of 2010-11 MVS Students' Final Scores**



Student Final Scores (Average Score 77.6%)
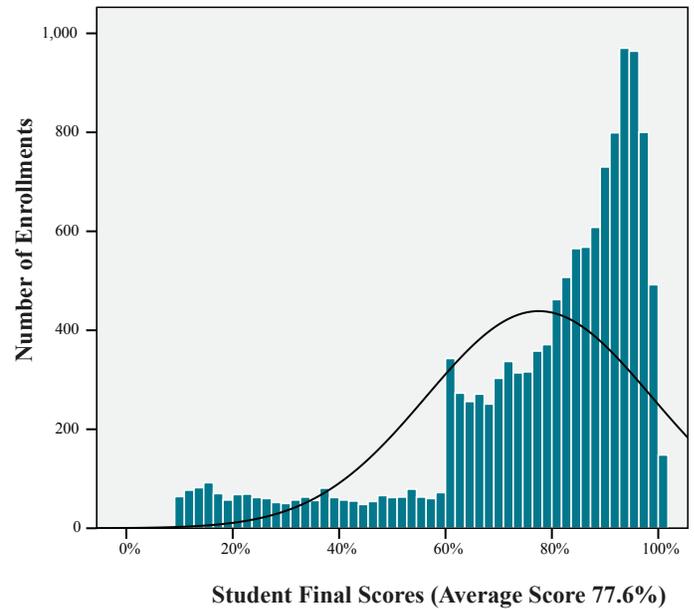
**Figure 3**
**2010-11 MVS Average Course Completion Rate by Content Area**



Course Content Areas
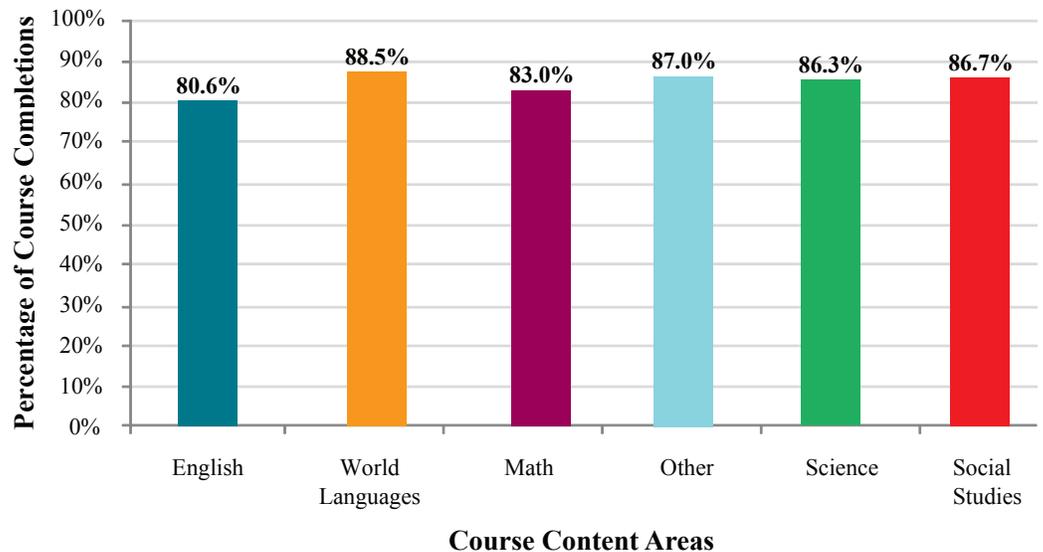
completion rate for the 2010-11 school year. During this timeframe there were fall, spring and summer semesters, as well as three trimesters offered in the fall and spring. The histogram takes into account any student enrollment earning a minimum of 10 percent of the possible points from the 223 instructor-led courses selected by schools and students from the *MVS* course catalog during this period. 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 services 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 5 highlights the 10 *MVS* instructor-led core content area courses with the highest enrollments and the corresponding student completion rates recorded during 2010-11. These 10 courses represent approximately 19 percent of all *MVS* courses offered during the reporting period.

The *MVS* also offered 49 courses during 2010-11 with five or fewer enrollments recorded, including semester or trimester sections of middle school mathematics and science, and fourth year world language courses in Chinese and German. The average completion rate for these low enrollment courses was approximately 80 percent. The *MVS* offers a variety of courses to ensure that a wide range of student interests and needs are met. Michigan school administrators have consistently noted that the availability of a robust catalog of online courses is especially useful to them as many schools have been forced to eliminate low enrollment course options for students due to increasing instructional costs.

Each year the *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

**Figure 5**
**Top Ten MVS Core Content Area Courses by Enrollments**

| Course Title | Enrollment Totals | Comp % |
|---|---|---|
| Civics MMC | 387 | 87.3% |
| Economics MMC | 340 | 87.9% |
| Forensic Science (Introduction) | 271 | 90.0% |
| French 1A | 237 | 86.9% |
| World History & Geography A MMC | 218 | 77.1% |
| Psychology A | 198 | 87.4% |
| German 1A | 196 | 84.2% |
| Personal Finance for Young Adults | 182 | 93.4% |
| Geometry A MMC | 180 | 80.6% |
| Algebra 2A MMC | 175 | 62.3% |
| | **Total 2,384** | **Overall Avg. 84.6%** |

are typically not available through their local school. In meeting these unique needs, the *MVS* tends to serve students on both ends of the achievement spectrum. During 2010-11 the *MVS* offered 34 instructor-led AP courses and recorded 1,014 enrollments. This represents about eight percent of the course enrollments during this reporting period, and the completion rate for *MVS* AP enrollments was 91.9 percent.

Many 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 selection, completion and achievement rates across *MVS* courses. Another element 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 offer its free mentor training to schools as they build capacity to support online learners in their communities.
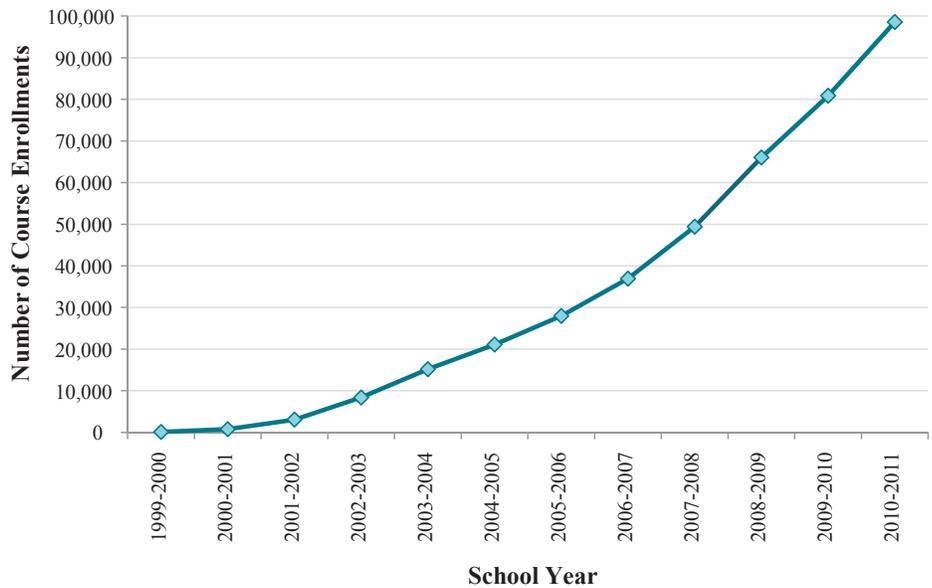
## MVS Course Enrollments and Completion Rates Over Time

The growth of online learning continues to expand teaching and learning opportunities for Michigan's middle and high school students. The *MVU* has a strong record of working in partnership with the state's K-12 community to help schools and parents meet a variety of instructional needs for their students. In addition, the organization has developed the technical infrastructure and capacity to deliver high quality online courses and instructional materials through a cadre of highly qualified Michigan-certified instructors. A review of *MVS* course registrations and completion rates over multiple years provides evidence of this ongoing effort. As Figure 6 demonstrates, *MVS* course registrations have grown consistently and at an accelerating pace over the past 12 years. During the 2011-12 school year the *MVS* will surpass 100,000 course enrollments, marking a significant milestone in the history of the organization.

In addition to experiencing consistent growth in course enrollments, *MVS* has also demonstrated steady improvement in student performance in its online courses. As depicted in Figure 7, for each of the past three years the *MVS* has increased its course completion rates within each of its six curriculum content areas. Developing strategies and outreach efforts to support improvements in the course completion rates by students is an ongoing strategic goal of *MVU*.

**Figure 7**
**MVS Course Completion Rates from 2008-09 to 2010-11**



6
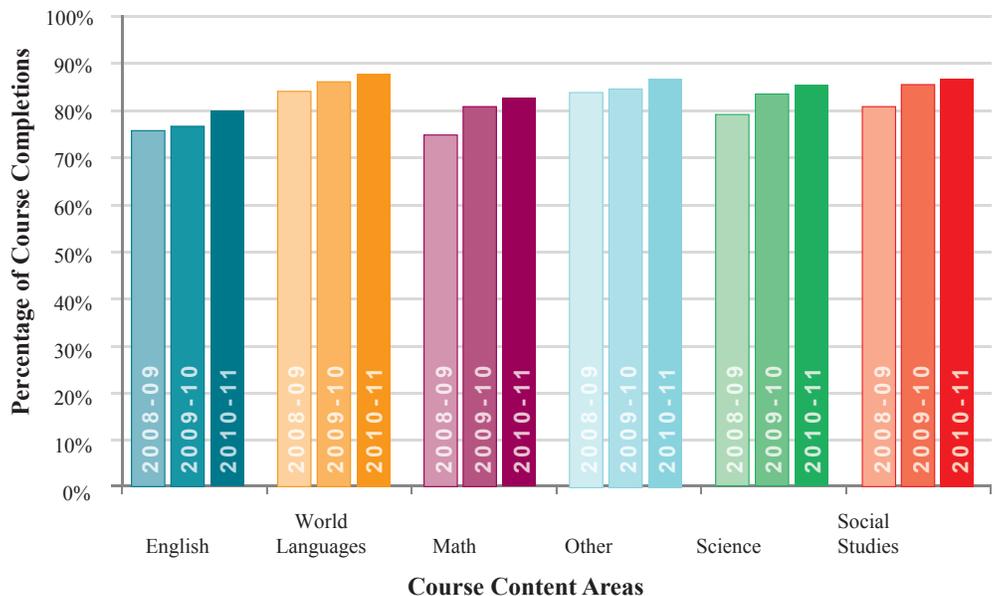
## Identification of Unmet Educational Needs That MVU Could Address

Providing high quality online learning options to students regardless of where they live or where they attend school can provide meaningful alternatives for students who have a need for greater flexibility with their education. *MVU* has identified six proposals for the consideration of state policy makers to address unmet educational needs and to enhance the growth and development of Michigan's online learning industry. The six proposals described below seek to expand innovative learning opportunities for Michigan students and promote 21st Century learning skills. These proposals also seek to reduce educational expenditures through the effective use of online delivery models. Cost savings could be redirected to meet other education needs. The following proposals also support current efforts to reinvent education in Michigan.

1. ### Open Online Learning Opportunities for All Students in Grades 6-12
   Based on student requests and parent or guardian consent, schools should be required to cover the costs of enrolling students in up to two online courses during a semester and additional courses if certain conditions exist. Students in grades 6-12 enrolled in any Michigan public school should be eligible to participate in online courses available from the *MVS* and other approved online course providers.

2. ### Adopt State Standards to Ensure Student Access to Quality Online Course Providers
   The MDE should annually provide school districts and parents with a list of providers approved to offer high quality online instructional programs to middle and high school students in Michigan. Approved public, private and nonprofit online course providers should be required to annually comply with specific quality standards, expectations and reporting requirements.

3. ### Strengthen Michigan's Online Learning Requirement
   The State should eliminate the existing 20 hour minimum threshold for online learning and require all students in Michigan to take at least one instructor-led, semester-length online course before graduating from high school. In 2006 Michigan became the first state in the U.S. to adopt an online learning high school graduation requirement. Unfortunately, too many schools have implemented a narrow approach to meeting this innovative requirement. All Michigan students should have the opportunity to experience the benefits of taking an instructor-led online course as a strategy to develop 21st Century learning skills.

4. ### Drive Cost Savings Through Expanded Use of Online Professional Development
   Michigan should require school districts to utilize free and low-cost online learning systems, resources and tools, including *Michigan LearnPort,* to deliver, manage and track at least 50 percent of their employee professional development services by 2014. Michigan school districts spend millions of dollars each year on teacher and school employee professional development services. Traditional delivery models are often less efficient, lack consistent quality statewide, are often duplicated in different regions and are typically delivered in face-to-face environments during normal school hours. The potential cost savings in using online learning delivery models for school employee professional development are significant.

5. ### Create a Center for Online Learning Research and Innovation
   To accelerate the adoption of innovative approaches to improve teaching and learning and best practices, *MVU* proposes the creation of a new Center for Online Learning Research and Innovation to support Michigan's students, parents, schools, K-12 and postsecondary educators and state and local policy makers. As envisioned, the Center could concentrate on three key areas: innovation, statewide capacity building and leadership. Housed at *MVU*, the proposed Center could draw upon recognized state and national leaders from education and private industry to provide research, evaluation and development expertise.

6. ### Eliminate Current Restrictions for Cyber Schools
   Current restrictions on cyber schools should be eliminated. The existing cap on the allowable number of cyber schools which can operate in Michigan and the related enrollment limits are unnecessarily restrictive. Arbitrary caps on enrollments limit access and fail to address student and parent demand for new learning models.

## 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 2010-11 the *MVS* worked in partnership with several intermediate school districts to expand online learning opportunities. Grant expenditure summary information for both grant programs for 2010-11 is included as Supplemental Information in Exhibit 4.

## Conclusion

At a time when new investments in K-12 education system are not likely, Michigan's schools 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 our current education system and an area for significant development in the future. Expanding Michigan's leadership role in online education can enhance educational quality and support the state's long-term economic development strategy. The transition of learning environments from traditional classroom models to multimedia rich online courses and resources will require the transformation of both individual and organizational behavior. *MVU* stands ready and looks forward to working with the state's policy leaders and elected officials to develop Michigan's online learning industry and to help position the state to assume a national leadership role in the knowledge economy.

## Vision

To provide leadership by expanding, improving and innovating learning opportunities for K-12 students and educators.

## Mission

To serve as a catalyst for change by providing quality Internet-based programs that strengthen teaching and learning for K-12 education.

*Michigan Virtual University,* a nonprofit corporation, is an equal opportunity employer committed to the principles of nondiscrimination.

## Exhibit 1 2010-11 Michigan Schools Served

A.D. Johnston Jr./Sr. High School
Achieve Charter Academy
Addison High School
Adlai Stevenson High School
Advanced Technology Academy
Aisha Shule/W.E.B. DuBois
Preparatory Academy
Akron-Fairgrove Jr./Sr. High
Alanson High School
Alba School
Albion Senior High School
Alcona High School
Algonac H.S. -St. Clair RESA
All Saints Central High School
Allen Park High School
Allendale High School
Alma Senior High School
Almont High School
Alternative and Adult Ed. - Lawton
Alternative Center for Education
Ann Arbor Open
Arenac Eastern High School
Armada High School
Arthur Hill High School
Arts Academy in the Woods
Au Gres-Sims High School
Auburn Hills Christian School
Avondale High School
Bad Axe High School
Baker Middle School
Baldwin Senior High School
Bangor High School
Bark River-Harris Jr/Sr H.S.
Bath High School
Battle Creek Academy
Bay City Western High School
Bay-Arenac Community H.S.
Beaverton High School
Belding High School
Bellaire High School
Belleville High School
Benzie Central Sr. High School
Berkley High School
Berrien Springs High School
Big Bay De Noc School
Birch Run High School
Black River Public School
Blissfield High School
Bloomfield Hills Andover H.S.
Brandywine Senior H.S.
Breckenridge High School
Bridgeport High School

Bridgman High School
Brighton High School
Brimley Jr./Sr. High
Bronson Jr./Sr. H.S.
Brown City High School
Brownell Middle School
Buchanan High School
Bullock Creek H.S.
Burns Elementary School
Burr Oak High School
Burt Township School
Byron Center Charter School
Byron Center High School
Caledonia High School
Calumet High School
Calvary Baptist Academy
Calvin Christian H.S.
Camden-Frontier H.S.
Canton Charter Academy
Carman-Ainsworth H.S.
Carney-Nadeau School
Caro Community School
Caseville School
Cass City High School
Cedar Springs High School
Cedarville High School
Central Lake High School
Centreville Senior High School
Charlotte Senior High School
Cheboygan Area High School
Chelsea High School
Chesaning Union High School
Chippewa Hills High School
Churchill High School
Clare High School
Clarkston High School
Climax-Scotts Jr./Sr. High School
Clintondale High School
Coldwater High School
Columbia Alternative Education
Community High School
Comstock High School
Comstock Park High School
Concord Academy - Petoskey
Concord Academy Boyne
Concord Montessori & Comm. School
Constantine High School
Coopersville High School
Covert High School
Creative Technologies Academy
Crescent Academy
Crossroads Charter Academy (7-12)

Croswell-Lexington High School
Dansville High School
Davidson Middle School
Davis Aerospace High School
De La Salle Collegiate H.S.
Dearborn High School
Decatur High School
Delta Center Elementary School
Delton Kellogg High School
Derby Middle
DeTour High School
Detroit Catholic Central H.S.
Detroit Cristo Rey High School
Detroit Service Learning Academy
Dewitt High School
Dexter High School
Divine Child High School
Dixon Elementary School
Doris Klaussen Dev. Center
Dryden High School
Durfee Elementary School
Dwight D. Eisenhower H.S.
Early College Alliance
East Grand Rapids High School
East Jackson High School
East Lansing High School
East. Washtenaw Multicultural Acad.
Eaton Rapids High School
Ecorse Alt. Ed - Hope Academy
Edison Public School Academy
Edsel Ford High School
Edwardsburg High School
Elk Rapids High
Ellsworth Community School
Engadine High School
Eton Academy
Everest Academy

Everett High School
Ewen-Trout Creek Consolidated
School District
Excel Charter Academy
Fairview High School
Faithway Christian School
Fennville Public High School
Fenton Senior High School
Ferndale High School
Fisher Magnet Upper Academy
Fordson High School
Forest Hills Central High School
Forest Hills Eastern High School
Forest Hills Northern High School
Forest Park School
Forsythe Middle School
Fowler High School
Fowlerville High School
Fr. Gabriel Richard High School
Frankenmuth High School
Frankfort High School
Freeland High School
Fremont High School
Fulton High School
Gabriel Richard Catholic H.S.
Garber High School
Garvey Academy
Gladstone Area High School
Gladwin High School
Glen Lake Secondary School
Godwin Heights High School
Grand Rapids City High School
Grandville High School
Grass Lake High School
Grattan Academy
Great Oaks Academy
Grosse Ile High School
Grosse Pointe North High School
Grosse Pointe South High School
Gull Lake High School
Hackett Catholic Central
Hamilton High School
Hamtramck High School
Hancock Central High School
Hanover-Horton High School
Harper Creek High School
Harper Woods High School
Harrison High School
Hartford High School
Hartland High School
Hartland M.S. at Ore Creek
Haslett High School
Hemlock High School
Henry Ford Academy
Henry Ford II High School

Heritage High School
Hesperia Community Schools
HH Dow High School
Highland Park Community H.S.
Holly High School
Holt High School
Holy Family Regional School
Honey Creek Community School
Hopkins High School
Houghton High School
Houghton Lake High School
Howell High School
Huron High School - New Boston
Huron High School-Ann Arbor
Ida High School
International Academy
Ionia High School
Iron Mountain High School
Ishpeming High School
Ithaca High School
Jeffers High School
Jewish Academy Metro Detroit
John Glenn Senior High School
Kalamazoo Central High School
Kalamazoo Christian High School
Kelloggsville High School
Kenowa Hills High School
Kensington Woods High School
Kent Career Tech Center
Kent City High School
Kingsford High School
Kingsley Area High School
Kingston Jr/Sr High School
Ladywood High School
Lahser High School
Laingsburg High School
Lake Linden Hubbell Jr./Sr. H.S.
Lakeland High School
Laker High School
Lakeshore High School
Lakeview High School (Calhoun)
Lakeview High School (Macomb)
L'Anse Area School Jr/Sr HS
L'Anse Creuse High School
L'Anse Creuse High School North
Lansing Catholic Central H.S.
Lansing Christian School
Lansing Eastern High School
Lapeer West Senior High School
LaSalle High School
Lawrence Jr./Sr. High
Lawton High School
Lee M. Thurston Sr. High School
Leland Public School
Lenawee Christian School

Leon W. Hayes Middle School
Leslie High School
Lincoln Senior High School
Linden Grove Middle School
Linden High School
Litchfield High School
Livingston Christian schools
Lowell High School
Loy Norrix High School
Loyola High School
Ludington High School
Luther L. Wright High School
Lutheran High School South
Mackinac Island School
Malcolm High School
Malow Junior High School
Mancelona High School
Manchester High School
Manistee Catholic Central School
Manistee High School
Manistique Middle & H.S.
Maple Valley Jr./Sr. High School
Marine City High School--East China
Marlette High School
Marquette Senior High
Marshall High School
Martin High School
Mason County Eastern Junior High/H.S.
Mason High School (Ingham)
Mattawan High School
Mayville High School
Mendon High School
Menominee Catholic Central
Menominee High School
Meridian High School
Merrill High School
Michigan Center Jr./Sr. H.S.
Michigan Lutheran High School
Midland Academy of Advanced/
Creative Studies
Midland High School
Mid-Peninsula School
Milan Community Education
Milan High School
Milford High School
Mill Creek Middle School
Millington High School
Mio-AuSable High School
Monroe High School
Montabella High School
Morrice Area High School
Munising High and Middle School
Nah Tah Wahsh PSA
New Buffalo High School
New Haven High School

Niles Senior High School
North Adams High School
North Branch High School
North Central Area Jr./Sr. H.S.
North Dickinson School
North Farmington High School
North Huron Secondary School
North Muskegon High School
North Star Academy
Northport Public School
Northview High School
Northville High School
Northwest High School
Norway High School
Notre Dame Preparatory School
Novi High School
Oakland International Academy
Ogemaw Heights High School
Ojibwe Charter School
Olivet High School
Onekama School Jr./Sr. School
Onsted High School
Ontonagon Area Jr./Sr. H.S.
Otsego High School
Our Lady of Sorrows School
Our Lady of the Lakes School
Ovid-Elsie High School
Oxford High School
Paw Paw High School
Peck High School
Pennfield Senior High School
Pentecostal Christian Academy
Pentwater Public School
Perry High School
Phoenix Alternative High School
Pickford High School
Pinckney Community H.S.
Pioneer High School
Plainwell High School
Plymouth Christian Academy
Plymouth Educational Center -
Youthville Site
Pontiac HS
Port Huron H.S.- St. Clair RESA
Port Huron Northern H.S. - St. Clair RESA
Portage Central High School
Portage Community High School
Portage Northern High School
Potterville High School
Powell Middle School
Quincy High School
Ravenna High School
Reading High School
Reeths-Puffer High School
Relevant Academy of Eaton County

Republic-Michigamme School
Richmond Community H.S.
River Rouge High School
Riverview Community H.S.
Robichaud Sr. High School
Rochester Adams Senior H.S.
Rochester High School
Rockford High School
Rogers City High School
Rogers High School
Romeo High School
Roscommon High School
Royal Oak High School
Rudyard High School
Sacred Heart Academy H.S.
Saginaw Arts & Sciences Academy
Saline High School
Sampson Academy
Sand Creek Jr./Sr. High School
Saranac High School
Saugatuck High School
Sault Area Middle School
Sault Ste. Marie Area H.S.
Sawdon High School
Schoolcraft High School
Sexton High School
Shepherd High School
Shrine Catholic High School
Skyline High School
Slauson Middle School
South Arbor Charter Academy
South Lake High School
South Lyon East High School
South Lyon High School
Southgate Anderson High School
Sparta Senior High School
Spring Lake High School
St. Ann Catholic School
St. Charles Community H.S.
St. Clair High School--East China
St. Johns High School
St. Louis High School
St. Philip Catholic Central
St. Thomas Aquinas Catholic School
St. Thomas School
Standish-Sterling Central H.S.
Starr Commonwealth for Boys
Stephenson High School
Stevenson High School
Stockbridge High School
Stone High School - Ann Arbor
Stoney Creek High School
Sturgis High School
Superior Central School
Suttons Bay High School

Swan Valley High School
Swartz Creek High School
T.A. Wilson Academy
Thornapple Kellogg High School
Three Rivers High School
Tinkham Alternative Education
Traverse City Central H.S.
Traverse City College Prep. Academy
Traverse City Shared-Time Schools
Traverse City West H.S.
Traverse City West Middle School
Tri County Senior High School
Tri-Township School
Tri-Unity Christian High School
Troy High School
Ubly Community High School
Union City High School
Unionville-Sebewaing H.S.
Unity Christian School
University of Detroit Jesuit
University Preparatory Academy
(PSAD) H.S.
Utica High School
Vanderbilt Area School
Vandercook Lake High School
Vestaburg Community H.S.
Vicksburg High School
Wakefield-Marenisco School District
Waldron Area High School
Walled Lake Central
Walled Lake Northern
Walled Lake Western
Watersmeet Township School
Watervliet Senior High School
Wayne Memorial High School
WayPoint Academy
Webberville High School
West Bloomfield High School
West Iron County High School
West Michigan Aviation Academy
West Michigan Lutheran H.S.
West Ottawa High School
Western High School
Western Michigan Christian H.S.
Westwood High School
Whitefish Township School
Whitehall Senior High School
Whitmore Lake High School
Williamston High School
Wolverine Jr./Sr. School
Wylie E. Groves High School
Zeeland West High School
Zion Christian School

**Exhibit 2 2010-11 Online Course Titles Offered by the MVS to Michigan Schools**

## Math Courses

Mathematics A (6th)
Mathematics B (6th)
Mathematics A (7th)
Mathematics B (7th)
Mathematics A (8th)
Mathematics B (8th)
Mathematics Advanced A (6th)
Mathematics Advanced B (6th)
Mathematics Advanced A (7th)
Mathematics Advanced B (7th)
Mathematics Advanced A (8th)
Mathematics Advanced B (8th)
Math Foundations 1A (6th-8th)
Math Foundations 1B (6th-8th)
Math Foundations 2A (6th-8th)
Math Foundations 2B (6th-8th)
Math Tracks (6th-8th)
Math Skills A
Math Skills B
Pre-Algebra A
Pre-Algebra B
Introductory Algebra A
Introductory Algebra B
Algebra 1 MMC - Testing Out
Algebra 1A
Algebra 1B
Algebra 1A MMC
Algebra 1B MMC
Algebra 2A
Algebra 2B
Algebra 2A MMC
Algebra 2B MMC
Algebra 2A MMC w/Statistics
Algebra 2B MMC w/Statistics
Geometry A
Geometry B
Geometry A MMC
Geometry B MMC
Integrated Math 1A
Integrated Math 1B
Integrated Math 2A
Integrated Math 2B
Trigonometry
Pre-Calculus A
Pre-Calculus B
Calculus A
Calculus B
Probability & Statistics A MMC
Probability & Statistics B MMC
Mathematics of Baseball
Mathematics of Personal Finance

Mathematics of Personal Finance A
Mathematics of Personal Finance B
Personal Finance for Young Adults
AP Calculus AB 1A
AP Calculus AB 1B
AP Calculus AB - Exam Review
AP Calculus BC 1A
AP Calculus BC 1B
AP Statistics A
AP Statistics B
AP Statistics - Exam Review

## English Courses

Language Arts A (6th)
Language Arts B (6th)
Language Arts A (7th)
Language Arts B (7th)
Language Arts A (8th)
Language Arts B (8th)
Language Arts Advanced A (6th)
Language Arts Advanced B (6th)
Language Arts Advanced A (7th)
Language Arts Advanced B (7th)
Language Arts Advanced A (8th)
Language Arts Advanced B (8th)
English Foundations 1A (6th-8th)
English Foundations 1B (6th-8th)
Read - Succeed (6th-8th)
Composition (Beginning)
Composition (Advanced)
English 9A
English 9B
English 9A MMC
English 9B MMC
English 10A
English 10B
English 10A MMC
English 10B MMC
English 11A - British/World Lit
English 11B - British/World Lit
English 11A MMC - British Lit
English 11B MMC - British Lit
English 12A - Am. Lit
English 12B- Am. Lit
English 12A MMC - Am. Lit
World Literature
American Film Survey
Directors of the Golden Age
Journalism
Reading Skills & Strategies
Reading Strategies for the Digital Age
Writing Skills & Strategies

AP English Lang/Comp A
AP English Lang/Comp B
AP English Lang/Comp - Exam Rev.
AP English Lit/Comp A
AP English Lit/Comp B
AP English Lit/Comp - Exam Rev.

## Science Courses

Science (Comprehensive) A (6th)
Science (Comprehensive) B (6th)
Science (Comprehensive) A (7th)
Science (Comprehensive) B (7th)
Science (Comprehensive) A (8th)
Science (Comprehensive) B (8th)
Science (Comp.) Adv A (6th)
Science (Comp. Adv B (6th)
Science (Comp.) Adv A (7th)
Science (Comp.) Adv B (7th)
Science (Comp.) Adv A (8th)
Science (Comp.) Adv B (8th)
Science Foundations A (6th-8th)
Science Tracks (6th-8th)
Astronomy (6th-8th)
Health Education A
Health Education B
Health Education MMC
Health Ed MMC (Abstinence Only)
Health Education MMC - Testing Out
Skills for Health
Astronomy
Human Space Exploration
Bioethics
Environmental Science A
Environmental Science B
Oceanography A
Oceanography B
Oceans & Their Ecosystems
Physical Science A
Physical Science B
Earth Science A
Earth Science B
Earth Science A MMC
Earth Science B MMC
Biology A
Biology B
Biology A MMC
Biology B MMC
Chemistry A
Chemistry B
Chemistry A MMC
Chemistry B MMC
Physics A MMC

Physics B MMC
Forensic Science (Introduction)
Forensic Science (Advanced)
Anatomy & Physiology A
Anatomy & Physiology B
AP Biology A
AP Biology B
AP Biology - Exam Review
AP Chemistry A
AP Chemistry (Dry Labs) B
AP Chemistry (Wet Labs) B
AP Chemistry - Exam Review
AP Environmental Science A
AP Environmental Science B
AP Physics B 1A
AP Physics B 1B
AP Physics B - Exam Review
AP Physics C 1A
AP Physics C 1B

## Social Studies Courses

World Cultures A (6th)
World Cultures B (6th)
World Cultures Adv. A (6th)
World Cultures Adv. B (6th)
World Geography A (7th)
World Geography B (7th)
World Geography Adv. A (7th)
World Geography Adv. B (7th)
American History A (8th)
American History B (8th)
Civics MMC
Economics MMC
Native American History
Psychology
Psychology A
Psychology B
Sociology
Geography & World Cultures
Global Issues
Global Issues & Perspectives
Legal Issues
U.S. & Global Economics
U.S. Gov. & Politics
U.S. History A (Conspiracy Code A)
U.S. History B (Conspiracy Code B)
U.S. History A
U.S. History B
U.S. History to the Civil War
U.S. History Since the Civil War A
U.S. History Since the Civil War B
U.S. History & Geography A MMC
U.S. History & Geography B MMC
World History A

World History B
World History to the Renaissance A
World History to the Renaissance B
World History Since the
Renaissance A
World History Since the
Renaissance B
World History & Geography A MMC
World History & Geography B MMC
AP U.S. History A
AP U.S. History B
AP U.S. History - Exam Rev.
AP U.S. Gov. & Politics
AP U.S. Gov. & Politics - Exam Rev.
AP Macroeconomics
AP Macroeconomics - Exam Rev.
AP Microeconomics
AP Microeconomics - Exam Rev.
AP Psychology
AP Psychology - Exam Rev

## World Language Courses

French 1A (6th-8th)
French 1B (6th-8th)
Spanish 1A (6th-8th)
Spanish 1B (6th-8th)
American Sign Language 1A
American Sign Language 1B
Chinese 1A - Mandarin
Chinese 1B - Mandarin
Chinese 2A - Mandarin
Chinese 2B - Mandarin
Chinese 3A - Mandarin
Chinese 3B - Mandarin
Chinese 4A - Mandarin
Chinese 4B - Mandarin
IB Chinese - Mandarin
French 1A
French 1B
French 2A
French 2B
French 3A
French 3B
French 4A
French 4B
German 1A
German 1B
German 2A
German 2B
German 3A
German 3B
German 4A
German 4B

Japanese 1A
Japanese 1B
Japanese 2A
Japanese 2B
Latin 1A
Latin 1B
Latin 2A
Latin 2B
Latin 3A
Latin 3B
Spanish 1A
Spanish 1B
Spanish 2A
Spanish 2B
Spanish 3A
Spanish 3B
AP French A
AP French B
AP French - Exam Review
AP Spanish A
AP Spanish B
AP Spanish - Exam Review

## Other Elective Courses

Basic Software App. (6th-8th)
Music Appreciation
Music Appreciation A
Music Appreciation B
Art Appreciation
Digital Imaging &
Communication
Basic Software Applications
C++ Programming A
C++ Programming B
Flash Animation
Game Design
Microsoft Office 2007
Web Design Basics HTML
Career Planning
Careers - Find Your Future
Employability Skills
Study Skills
Business Ethics
Entrepreneur Business
Management
Entrepreneur Business Planning
Physical Education
Personal Fitness
In Search of Cyrano
AP Art History A
AP Art History B
AP Computer Science A 1A
AP Computer Science A 1B

## Exhibit 3 2010-11 MVS Summary of Courses, Enrollments and Completion Rates

| Math Course Titles | Total N | Ave. Comp % | ELA Course Titles | Total N | Ave. Comp % |
|---|---|---|---|---|---|
| Mathematics A (6th) | 4 | 50.0% | Language Arts B (6th) | 2 | 100.0% |
| Mathematics B (6th) | 2 | 100.0% | Language Arts Advanced A (6th) | 2 | 0.0% |
| Mathematics Adv. A (6th) | 2 | 50.0% | Language Arts A (7th) | 2 | 50.0% |
| Mathematics A (7th) | 2 | 100.0% | Language Arts B (7th) | 2 | 100.0% |
| Mathematics B (7th) | 3 | 66.7% | Language Arts Advanced A (7th) | 1 | 0.0% |
| Mathematics Adv. A (7th) | 2 | 0.0% | Language Arts Advanced A (8th) | 2 | 100.0% |
| Mathematics Adv. A (8th) | 1 | 100.0% | Language Arts A (8th) | 1 | 0.0% |
| Mathematics B (8th) | 1 | 0.0% | Language Arts B (8th) | 1 | 0.0% |
| Mathematics Adv. B (8th) | 1 | 100.0% | Language Arts Advanced B (8th) | 1 | 100.0% |
| Math Skills A | 34 | 88.2% | Read - Succeed (6th-8th) | 9 | 100.0% |
| Math Skills B | 7 | 100.0% | Composition (Beginning) | 13 | 92.3% |
| Pre-Algebra A | 11 | 81.8% | Composition (Advanced) | 10 | 90.0% |
| Pre-Algebra B | 5 | 80.0% | English 9A | 13 | 92.3% |
| Algebra 1A | 12 | 91.7% | English 9B | 13 | 69.2% |
| Algebra 1B | 17 | 70.6% | English 9A MMC | 73 | 71.2% |
| Algebra 1A MMC | 111 | 73.0% | English 9B MMC | 63 | 81.0% |
| Algebra 1B MMC | 141 | 84.4% | English 10A | 23 | 69.6% |
| Algebra 2A MMC | 175 | 62.3% | English 10B | 9 | 55.6% |
| Algebra 2B MMC | 167 | 85.0% | English 10A MMC | 54 | 72.2% |
| Algebra 2A MMC w/Statistics | 7 | 71.4% | English 10B MMC | 69 | 73.9% |
| Geometry A | 27 | 66.7% | English 11A - Brit/World Literature | 3 | 66.7% |
| Geometry B | 21 | 66.7% | English 11B - Brit/World Literature | 1 | 100.0% |
| Geometry A MMC | 180 | 80.6% | English 11A MMC-Brit Literature | 111 | 76.6% |
| Geometry B MMC | 165 | 90.9% | English 11B MMC - Brit Literature | 81 | 82.7% |
| Trigonometry | 39 | 84.6% | English 12A - Am. Literature | 6 | 83.3% |
| Pre-Calculus A | 65 | 76.9% | English 12B - Am. Literature | 3 | 100.0% |
| Pre-Calculus B | 48 | 75.0% | English 12A MMC - Am. Literature | 125 | 76.0% |
| Calculus A | 31 | 77.4% | English 12B MMC -Am. Literature | 84 | 81.0% |
| Calculus B | 12 | 83.3% | World Literature | 37 | 86.5% |
| Probability & Statistics A MMC | 53 | 94.3% | American Film Survey | 137 | 83.9% |
| Probability & Statistics B MMC | 15 | 80.0% | Directors of the Golden Age | 44 | 88.6% |
| Mathematics of Baseball | 103 | 93.0% | Journalism | 66 | 93.9% |
| Math of Personal Finance | 150 | 82.0% | Reading Strat. for the Digital Age | 13 | 84.6% |
| Personal Finance for Young Adults | 182 | 93.4% | AP English Lang/Comp A | 30 | 86.7% |
| AP Calculus AB 1A | 21 | 100.0% | AP English Lang/Comp B | 18 | 94.4% |
| AP Calculus AB 1B | 19 | 78.9% | AP English Lit/Comp A | 16 | 87.5% |
| AP Calculus BC 1A | 20 | 100.0% | AP English Lit/Comp B | 15 | 93.3% |
| AP Calculus BC 1B | 16 | 100.0% | | | |
| AP Statistics A | 71 | 90.1% | | | |
| AP Statistics B | 54 | 92.6% | | | |

| Science Course Titles | Total N | Ave. Comp % |
| --- | --- | --- |
| Science (Comp.) B (6th) | 2 | 50.0% |
| Science (Comp.) B (7th) | 4 | 25.0% |
| Science (Comp.) A (8th) | 1 | 100.0% |
| Science (Comp.) B (8th) | 2 | 50.0% |
| Science (Comp.) Adv. A (8th) | 1 | 100.0% |
| Health Education A | 69 | 89.9% |
| Health Education B | 29 | 96.6% |
| Health Education MMC | 145 | 82.1% |
| Health Ed MMC (Abstinence Only) | 41 | 85.4% |
| Astronomy | 152 | 90.8% |
| Human Space Exploration | 37 | 97.3% |
| Bioethics | 101 | 95.0% |
| Environmental Science A | 59 | 94.9% |
| Environmental Science B | 23 | 95.7% |
| Oceanography A | 149 | 84.6% |
| Oceanography B | 27 | 100.0% |
| Oceans & Their Ecosystems | 44 | 93.2% |
| Physical Science A | 35 | 57.1% |
| Physical Science B | 21 | 71.4% |
| Earth Science A | 2 | 100.0% |
| Earth Science B | 1 | 100.0% |
| Earth Science A MMC | 62 | 82.3% |
| Earth Science B MMC | 32 | 90.6% |
| Biology A | 5 | 80.0% |
| Biology B | 6 | 50.0% |
| Biology A MMC | 94 | 76.6% |
| Biology B MMC | 69 | 91.3% |
| Chemistry A MMC | 119 | 57.1% |
| Chemistry B MMC | 101 | 76.2% |
| Physics A MMC | 73 | 90.4% |
| Physics B MMC | 51 | 90.2% |
| Forensic Science (Intro.) | 271 | 90.0% |
| Forensic Science (Advanced) | 37 | 94.6% |
| Anatomy & Physiology A | 158 | 89.2% |
| Anatomy & Physiology B | 73 | 95.9% |
| AP Biology A | 26 | 88.5% |
| AP Biology B | 17 | 88.2% |
| AP Chemistry A | 14 | 78.6% |
| AP Chemistry B - Dry Labs | 5 | 100.0% |
| AP Environmental Science A | 19 | 94.7% |
| AP Environmental Science B | 17 | 94.1% |
| AP Physics B 1A | 51 | 92.2% |
| AP Physics B 1B | 29 | 93.1% |
| AP Physics C 1A- Mechanics | 14 | 100.0% |
| AP Physics C 1B- Mechanics | 11 | 100.0% |

| Social Studies Course Titles | Total N | Ave. Comp % |
| --- | --- | --- |
| World Cultures A (6th) | 1 | 100.0% |
| World Cultures B (6th) | 2 | 100.0% |
| World Geography A (7th) | 1 | 100.0% |
| World Geography B (7th) | 2 | 100.0% |
| American History A (8th) | 1 | 100.0% |
| American History B (8th) | 2 | 100.0% |
| Civics MMC | 387 | 87.3% |
| Economics MMC | 340 | 87.9% |
| Native American History | 79 | 94.9% |
| Psychology A | 198 | 87.4% |
| Psychology B | 62 | 93.5% |
| Sociology | 166 | 83.1% |
| Global Issues | 67 | 82.1% |
| Legal Issues | 114 | 78.1% |
| U.S. Government & Politics | 21 | 90.5% |
| U.S. History A (Consp. Code A) | 7 | 100.0% |
| U.S. History B (Consp. Code B) | 1 | 100.0% |
| U.S. History & Geography A MMC | 134 | 86.6% |
| U.S. History & Geography B MMC | 122 | 81.1% |
| World History & Geog A MMC | 218 | 77.1% |
| World History & Geog B MMC | 147 | 91.8% |
| AP U.S. History A | 34 | 91.2% |
| AP U.S. History B | 24 | 95.8% |
| AP Macroeconomics | 63 | 93.7% |
| AP Microeconomics | 38 | 92.1% |
| AP Psychology | 164 | 92.7% |
| AP U.S. Government & Politics | 58 | 81.0% |

| World Language Course Titles | Total N | Ave. Comp % | Other Elective Course Titles | Total N | Ave Comp% |
|---|---|---|---|---|---|
| French 1A  (6th-8th) | 2 | 100.0% | Basic Software Applic (6th-8th) | 34 | 0.0% |
| French 1B (6th-8th) | 1 | 100.0% | Music Appreciation | 143 | 97.9% |
| Spanish 1A (6th-8th) | 13 | 69.2% | Art Appreciation | 76 | 89.5% |
| Spanish 1B (6th-8th) | 2 | 100.0% | Digital Imaging & Communication | 311 | 82.6% |
| American Sign Language 1A | 100 | 97.0% | Basic Software Applications | 29 | 93.1% |
| American Sign Language 1B | 36 | 97.2% | C++ Programming A | 149 | 83.9% |
| Chinese 1A  - Mandarin | 99 | 86.9% | C++ Programming B | 47 | 100.0% |
| Chinese 1B  - Mandarin | 77 | 90.9% | Flash Animation | 55 | 90.9% |
| Chinese 2A  - Mandarin | 28 | 92.9% | Game Design | 104 | 89.4% |
| Chinese 2B  - Mandarin | 23 | 87.0% | Microsoft Office 2007 | 49 | 79.6% |
| Chinese 3A  - Mandarin | 11 | 100.0% | Web Design Basics HTML | 62 | 87.1% |
| Chinese 3B  - Mandarin | 2 | 100.0% | Career Planning | 184 | 83.2% |
| Chinese 4A - Mandarin | 3 | 100.0% | Careers - Find Your Future | 119 | 80.7% |
| Chinese 4B - Mandarin | 3 | 100.0% | Employability Skills | 128 | 90.6% |
| French 1A | 237 | 86.9% | Study Skills | 209 | 83.7% |
| French 1B | 119 | 95.8% | Business Ethics | 174 | 94.3% |
| French 2A | 91 | 91.2% | Entrepreneur Business Management | 127 | 96.9% |
| French 2B | 75 | 93.3% | Entrepreneur Business Planning | 88 | 90.9% |
| French 3A | 50 | 90.0% | Personal Fitness | 42 | 92.9% |
| French 3B | 30 | 86.7% | In Search of Cyrano | 5 | 80.0% |
| French 4A | 14 | 78.6% | AP Art History A | 13 | 100.0% |
| French 4B | 13 | 84.6% | AP Art History B | 9 | 100.0% |
| German 1A | 196 | 84.2% | AP Computer Science A 1A | 28 | 100.0% |
| German 1B | 98 | 88.8% | AP Computer Science A 1B | 23 | 95.7% |
| German 2A | 92 | 93.5% | | | |
| German 2B | 88 | 89.8% | | | |
| German 3A | 16 | 87.5% | | | |
| German 3B | 14 | 100.0% | | | |
| German 4A | 4 | 100.0% | | | |
| German 4B | 2 | 100.0% | | | |
| Japanese 1A | 124 | 71.8% | | | |
| Japanese 1B | 58 | 81.0% | | | |
| Japanese 2A | 32 | 93.8% | | | |
| Japanese 2B | 30 | 100.0% | | | |
| Latin 1A | 118 | 89.0% | | | |
| Latin 1B | 69 | 98.6% | | | |
| Latin 2A | 32 | 93.8% | | | |
| Latin 2B | 24 | 95.8% | | | |
| Latin 3A | 6 | 83.3% | | | |
| Latin 3B | 3 | 100.0% | | | |
| Spanish 1A | 149 | 76.5% | | | |
| Spanish 1B | 100 | 83.0% | | | |
| Spanish 2A | 96 | 82.3% | | | |
| Spanish 2B | 61 | 95.1% | | | |
| Spanish 3A | 101 | 98.0% | | | |
| Spanish 3B | 78 | 91.0% | | | |
| AP French A | 7 | 100.0% | | | |
| AP French B | 5 | 100.0% | | | |
| AP Spanish A | 44 | 81.8% | | | |
| AP Spanish B | 21 | 100.0% | | | |

## Exhibit 4 Summary of Federal Grant Expenditures

### MICHIGAN VIRTUAL UNIVERSITY
Expenditures from October 1, 2010 – September 30, 2011

| Description | Title IIA, Teacher Quality Grant (1) | Title IID, Education Technology Grant (2) |
|---|---|---|
| High School Course Scholarship Support | $  - | $565,390 |
| Web hosting, Technical and Infrastructure Support | 46,281 | 63,339 |
| Communication, Outreach and Travel | 73,384 | - |
| Conferences, staff and instructor development | - | 79,884 |
| Consultants and contracted services | 54,900 | 10,870 |
| Instructor Consultants | 65,616 | - |
| Media Asset, Course Development and Content Licensing | 120,687 | - |
| Software Customization | 156,398 | - |
| STEM Research and Development | 470,407 | - |
| Algebra for All | 73,691 | - |
| Salaries and Benefits | 798,280 | 60,000 |
| Administration | 190,823 | - |
| | | |
| Ingham ISD Indirect Portion | - | 65,421 |
| Ingham ISD Professional Development Portion | - | 50,000 |
| | | |
| TOTAL | $2,050,467 | $894,904 |

(1) All Title II A expenditures (in support of *Michigan LearnPort*) are approved by MDE through a memorandum of understanding.  The total includes $617,949 of Title II A carryover from the 2009-10 grant.

(2) The total includes $35,434 of Title II D carryover funds (in support of *Michigan Virtual School*) from the 2009-10 grant.

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