



Table of Contents

About Michigan Virtual..... 3

Student Learning..... 4

 Student Online Learning in Michigan..... 4

 Michigan Virtual Student Learning Fast Facts for 2021-22 5

 Students 5

 Enrollments 5

 Districts 5

 Courses 6

 Pass Rates 6

 Current & Future Initiatives..... 7

Professional Learning 9

 Professional Learning in Michigan 9

 Barriers and Opportunities for Professional Learning..... 10

 Michigan Virtual Professional Learning Fast Facts for 2021-22 11

 Learners..... 12

 Districts 12

 Courses 12

 Professional Learning Activities 12

 Partnerships to Reach Educational Professionals 13

 Looking to the Future 14

 Course Topics and Feedback 15

Research Institute 16

 (A) Support and accelerate innovation in education through the following activities:..... 16

(B) Provide leadership for this state's system of virtual learning education by doing the following activities:	22
Appendix A - Michigan Virtual Student Enrollment Data	30
Figure 1. 2021-22 Districts Served by Michigan Virtual with Student Online Courses	30
Figure 2. 2021-22 Michigan Virtual ISD, LEA, PSA District and Nonpublic Schools with Student Enrollments	33
Figure 3. 2021-22 Michigan Virtual Student Courses Offered with Performance Data.....	34
Figure 4. 2021-22 Michigan Virtual Student Performance Data by NCES Subject Area	42
Figure 5. 2021-22 Michigan Virtual Teacher-Led Student Performance Data by LEA District.....	42
Appendix B - Michigan Virtual Professional Enrollment Data	43
Figure 6. 2021-22 Michigan Virtual Professional Learning Courses	43
Figure 7. 2021-22 Districts Served by Michigan Virtual with Professional Learning.....	51
Figure 8. 2021-22 Michigan Virtual ISD, LEA, PSA Districts and Nonpublic Schools with Professional Learning Enrollments.....	64
Endnotes	65
Board of Directors	68

About Michigan Virtual

Michigan Virtual University®, commonly known as *Michigan Virtual*™, is a nonprofit 501(c)(3) organization whose mission is to advance both learning and teaching through research, practice, and partnerships. Its vision is that every person can use digital learning to reach their full potential.

Michigan Virtual works to fulfill that mission through a three-pronged approach to virtual learning. Since 2000, *Michigan Virtual* has provided over half a million online enrollments to high school and middle school students. *Michigan Virtual* is not a full-time virtual program nor a cyber school where students take 100% of their courses online. Rather public school, non-public school, and homeschool students typically enroll in only one or two *Michigan Virtual* courses as part of or in addition to their normal coursework, usually to resolve a scheduling conflict or to gain access to a course not offered face-to-face in their school.

Michigan Virtual also has a long history of providing professional learning services to Michigan districts through both innovative online courses and face-to-face offerings. *Michigan Virtual* partners with schools to provide educator training, develops and implements blended learning models, and identifies and enacts effective practices in technology integration. Through this role, *Michigan Virtual* is a statewide leader in providing educators with the required professional learning hours necessary for renewal of their teaching certificates.

The final prong is the *Michigan Virtual Learning Research Institute*® (MVLRI®). Formed in 2012, the Institute expands Michigan's capacity to support new learning models, engages in active research to inform new policies in online and blended learning, and strengthens the state's infrastructures for sharing effective practices. It is a nationally recognized thought leader in online and blended learning.

Michigan Virtual's strategic plan serves as a North Star for the organization. The plan can be summarized by three powerful words: *lead*, *collaborate*, and *build*. *Michigan Virtual* leads by providing thought leadership, collaborates by engaging with partners, and builds by creating scalable solutions. The organization has three strategic goals. The first is to improve outcomes for Michigan learners by leading research, development, deployment, and dissemination of innovative and effective practices. The second is to increase access to high-quality learning opportunities and resources. The final goal is to establish *Michigan Virtual* as a thought leader and the preferred statewide learning partner for Michigan schools and educators. By increasing access and serving as a trusted learning partner, *Michigan Virtual* helps catalyze the systemic changes required to positively impact student achievement. To accomplish these goals, *Michigan Virtual* focuses on three strategic initiatives. They include enabling flexible learning models for Michigan schools, redesigning and scaling professional learning for Michigan, and inspiring innovation in learning and teaching.

Since 2000, Michigan school and policy leaders have called on *Michigan Virtual* to support a variety of educational challenges with innovative, cost-effective solutions. During this past fiscal year, we served students and/or educators in close to 100% of ISDs, LEAs and PSAs and over 60% of nonpublic schools. This *Annual Report* provides highlights of *Michigan Virtual's* student learning, professional learning, and research activities for the 2021-22 fiscal year.

Student Learning

Student Online Learning in Michigan

Student learning has been significantly impacted by the COVID-19 pandemic. Before detailing the impact of *Michigan Virtual's* student learning efforts for 2021-22, it may be valuable to provide a comprehensive statewide snapshot of virtual learning for K-12 students. Based on data published in *Michigan's K-12 Virtual Learning Effectiveness Report 2020-21*,¹ we know that:

- 707 Michigan public school districts reported at least one virtual enrollment.
- Of the 2,207 schools with virtual enrollments, 81% had 100 or more virtual enrollments.
- Almost 420,000 Michigan K-12 students took at least one virtual course in 2020-21, exceeding 3.6 million virtual enrollments.
- Despite the statewide impact of COVID, students who qualified for free/reduced lunch were responsible for two-thirds of the virtual enrollments even though only about half of students statewide qualify for free/reduced lunch.
- The overall pass rate for virtual courses was 74%, up 18% from last year. We believe this increase to likely be temporary as it represents a stark contrast from prior trends. It seems likely that this increase is due to a temporary shift in the population of virtual students. Case in point, almost two million virtual enrollments came from schools that did not report any virtual enrollments the prior year, and these learners had a pass rate of 80%. It is unlikely that this level of participation and performance will continue as schools return to buildings.
- Some schools are clearly more effective in using virtual learning than others. About one in four schools with virtual learning had virtual pass rates of 90% to 100%.

From a policy perspective, there are two main drivers of virtual learning in Michigan schools. The first is that Michigan students are required to have an online learning experience² to graduate from high school. This requirement was adopted in 2006 as part of the Michigan Merit Curriculum (MMC) and was intended to prepare K-12 students for the digital world they will encounter in higher education, their future workplaces, and their personal lives. Schools were provided with flexibility in how they could fulfill the online learning requirement—in part due to the vast difference in technology access and readiness of schools in 2006. The options included:

- Take an online course.
- Complete a meaningful online experience of at least 20 hours.
- Complete the meaningful online experience of at least 20 hours incorporated into the required courses of the MMC.

While Michigan was the first state in the country with such a requirement, several other states have since followed suit. Some of these states have adopted more stringent requirements than Michigan, requiring students to take an online course rather than have a 20-hour minimum experience.

The second policy driver has been Section 21f of the State School Aid Act.³ Since 2013, Michigan public schools have been required to honor parent or student requests for enrollment in up to two online courses per academic term or more if parents, students, and school leadership agree that more than two are in the best interest of the child. Eligible courses for enrollment include those published in the

student's school district's catalog of board-approved courses or from those in a statewide catalog of virtual courses.⁴

Michigan Virtual Student Learning Fast Facts for 2021-22

- Over 19,000 students benefited from taking an online course through *Michigan Virtual*.
- Over 46,000 student enrollments were delivered by *Michigan Virtual*.
- On average, students took 2.4 virtual courses during the school year.
- About 58% of Michigan LEA Districts used *Michigan Virtual* for student courses.
- Students enrolled in 268 different *Michigan Virtual* teacher-led courses out of 293 course titles offered.
- *Michigan Virtual* had over 14,000 students who took one or two teacher-led virtual courses and this group of students had a pass rate of 75%. There were over 4,000 students who took three or more teacher-led virtual courses, and their pass rate was 55%. The overall pass rate for *Michigan Virtual* teacher-led courses was 65%. *Michigan Virtual* also served over 800 students through its Collaborative product where schools had access to *Michigan Virtual's* online curriculum, assessments, and learning management system. A local teacher instructs the course and may use some or parts of the online content and blend it with other online and offline resources and assessments. For that reason, *Michigan Virtual* does not calculate a course completion rate for these enrollments.
- *Michigan Virtual* maintained its accreditation with Cognia.

Students

A total of 19,162 unique students took online courses with *Michigan Virtual* in 2021-22. This includes 18,698 students in teacher-led courses, 853 students in Collaborative Partner sections, and 17 students in Summer Enrichment world language courses. There were 406 students enrolled in both *Michigan Virtual* teacher-led and Collaborative Partner sections. There were 18 dual enrollment students, 40 Netacademy students. Students enrolled in external EdReady courses offered in local districts were not included as schools enroll directly with EdReady rather than through the *Michigan Virtual* systems. Note that some students may use more than one product line and therefore the sum of the student counts by product line is greater than the unique count of students listed in this first sentence of this paragraph.

Enrollments

During the 2021-22 school year, *Michigan Virtual* accounted for 46,672 student enrollments. This includes 43,294 enrollments in teacher-led Plus, Advanced Placement® (AP®), and Essentials courses. There were 2,565 enrollments in online courses taught by local district teachers. *Michigan Virtual* also generated 813 enrollments across its EdReady/Test Out and Summer Enrichment offerings. On average, students using *Michigan Virtual* teacher-led courses took 2.3 courses, Collaborative Partner students averaged 3.0 courses. Excluding external EdReady enrollments, the overall average number of courses taken by students was 2.39.

Districts

Student enrollments during the 2021-22 school year came from 384 Michigan districts including five intermediate school districts (ISDs), 310 local education agency districts (LEA districts), 32 public school

academy districts (PSA districts), and 37 nonpublic schools. As a point of comparison, based on data available in November 2022 through the Center for Educational Performance and Information's (CEPI) Educational Entity Master website, a search for districts that were open-active and actively educating students yielded 56 ISDs, 537 LEA districts, and 291 PSA districts. There were also 682 open-active nonpublic schools. Using these counts as estimates for the 2021-22 school year, *Michigan Virtual* served approximately 9% of ISDs, 58% of LEA districts, 11% of PSA districts, and 5% of nonpublic schools with student courses. A list of Michigan districts served in 2021-22 is included in Appendix A, Figure 1.

Michigan schools accounted for 44,019 enrollments with the number of enrollments from a school/district ranging from a single enrollment to 2,463 enrollments. The average number of enrollments per district/school was 115. For *Michigan Virtual* teacher-led course enrollments, Michigan schools accounted for 41,454 enrollments with an average number of enrollments per school of 109. In addition to serving Michigan schools, *Michigan Virtual* generated 29 enrollments from nine non-Michigan schools. *Michigan Virtual* also had 1,811 enrollments from Michigan and non-Michigan parents or guardians directly enrolling their children in online courses. This tends to occur during the summer or in addition to a student's schedule during the school year. Students in 77 of Michigan's 83 counties were supported with online learning opportunities through *Michigan Virtual*. For a map of locations where students and schools were served, see Figure 2 of Appendix A.

Courses

Students enrolled in 268 different teacher-led online courses with *Michigan Virtual*. The courses included titles offered during the fall, spring, and summer and included core academic courses specifically aligned with the MMC, AP courses, credit recovery courses, cybersecurity and networking courses through Netacademy, and dual enrollment through St. Clair County Community College. These online courses included those developed by *Michigan Virtual* as well as courses and content licensed from nationally recognized providers. Most of the teacher-led courses (87%) were offered at the high school level, though 36 online courses were specifically available for middle school students. The full listing of the *Michigan Virtual* teacher-led online courses used by Michigan districts and students during 2021-22 is available in Appendix A, Figure 3.

In addition to the *Michigan Virtual* teacher-led courses, *Michigan Virtual* offered a Collaborative product that allows schools the ability to use their own teacher with *Michigan Virtual* content and assessments inside the *Michigan Virtual* learning management system. Teachers can also receive a blank course and create their own custom courses within the learning management system.

Pass Rates

Michigan Virtual had an overall course pass rate in its teacher-led courses of 65%. In calculating the pass rate for teacher-led courses, 27 enrollments were excluded because the data needed to calculate the pass rate was unavailable due to it residing in a partner provider's system. Of the 43,267 attempted *Michigan Virtual* teacher-led enrollments, 40,816 were from students who finished or remained enrolled in the course through the last day for a 94% completion rate. In terms of course success, 27,954 of the 43,267 enrollments earned 60% or more of the total course points for an overall pass rate of 65%.

The *Michigan Virtual* pass rate varied significantly according to the number of virtual courses taken. Historically, *Michigan Virtual* has been used as a supplemental online course provider where students

who enrolled only took one or two courses. In 2021-22, *Michigan Virtual* served over 14,000 students who took one or two teacher-led virtual courses. Those students had a pass rate of 75%.

With the pandemic, however, some schools reached out for assistance with far greater numbers of enrollments per student. This school year, *Michigan Virtual* served over 4,000 students who took three or more teacher-led virtual courses, and their pass rate was 55%.

Table 1 below shows how student pass rate varied based on subject area and number of courses taken.

Table 1. *Michigan Virtual* Student Pass Rates by Subject Area and Number of Courses Taken

Subject Area	Students Taking One to Two Courses	Students Taking Three or More Courses	Overall
English Language and Literature	66%	50%	55%
Life and Physical Sciences	72%	55%	63%
Mathematics	75%	48%	59%
Social Sciences and History	79%	58%	68%
All Subject Areas	75%	55%	65%

Appendix A, Figure 4, shows the *Michigan Virtual* pass rate for each subject area. A full list of the 2021-22 *Michigan Virtual* student pass rates by course title is also provided in Figure 3 of Appendix A. Pass rate also varied by district. Of the 309 Michigan LEA districts that enrolled students in *Michigan Virtual* teacher-led courses, 97 districts (31%) had a district-wide pass rate of 90% to 100%. An additional 75 districts (24%) had a pass rate of 80% to 90%. Thus, more than half of LEA districts had a pass rate of 80% or greater when using *Michigan Virtual* teacher-led courses. There were 64 districts that had pass rates of less than 60%. Of those, 38 had double digit enrollments. 19 of those 64 districts had pass rates of less than 10%, and nine districts had a single enrollment. Figure 5 of Appendix A includes a chart displaying the distribution of district pass rates.

Current & Future Initiatives

Michigan Virtual continued to expand learning opportunities in the 2021-22 school year to better meet the needs of schools and students across the state. We have maintained our partnership with the College Board to pilot a program focused on select online AP courses and will continue to add to that profile in the future. In collaboration with College Board, we will review the results of the AP exams and collaborate on practices to expand engagement, strengthen persistence, and increase overall student experience in these course offerings. Through this partnership, we are seeking to increase access and opportunity for students, particularly in rural areas, to engage in AP courses. The pilot includes additional training for select instructors, collaboration between College Board and *Michigan Virtual* course developers, and analysis of student success indicated by engagement, persistence, and performance in AP courses.

Michigan Virtual also provides ongoing professional development for a growing number of internal and external teachers. Our full-time instructors will deliver a series of live webinar sessions during the 2022-23 school year to continue to build and align teaching practices across a diverse group of educators. Topics include developing resources to differentiate instruction in the online classroom, tools for efficiency, communication strategies, self-assessment on practices, handling difficult situations, effective feedback and the tools for delivering it, data, student engagement, and mastering online and live discussions with

students. Our full-time instructors also engage in monthly instructional rounds, professional learning opportunities to grow teachers' practices and improve student learning through observation, reflection, and goal setting. The focus of instructional rounds includes relationship building, supplementing learning, inciting curiosity, providing robust feedback, work efficiencies, and communicating with stakeholders.

Michigan Virtual continues to offer a wide variety of online courses for middle and high school students. In the current school year, *Michigan Virtual* offered 45 semester-length online AP courses aligned to preparing students for 24 AP Exams administered by the College Board, registration support for 28 online postsecondary dual enrollment courses offered by St. Clair County Community College (SC4), 24 instructor-led online credit recovery courses, and 186 other instructor-led online courses fulfilling grade level and graduation requirements for middle school and high school students as well as a variety of electives related to academic support and career explorations and interests.

In 2022, *Michigan Virtual* introduced twelve new academic offerings for high school and middle school students. *Michigan Virtual* created the following five new high school courses: Anatomy and Physiology, Composition, Social Media, Spanish 1, and Study Skills. Seven additional courses were licensed from four other course content providers, including four high school courses - Creative Writing, Careers in Criminal Justice: Finding Your Specialty, Reading Strategies: Fields of Reading, and Piano 1 - and three middle school courses - Digital Art and Design, Learning in a Digital World: Digital Citizenship, and Middle School Health Education.

As a part of continued efforts to meet new and growing needs for online and remote learning options for K-12 students and schools in Michigan, *Michigan Virtual* has established a website that houses a collection of online tools and resources intended to support and empower teachers and school leaders as they design remote, online, and blended learning experiences for their students. Among these resources are free access to the lesson content of 73 online high school courses developed by *Michigan Virtual*, including seven Advanced Placement (AP) courses, 10 English Language Arts courses, eight in mathematics, three in physical and health education, seven in science, 11 in social studies, two in the visual and performing arts, 17 world language courses, and eight additional high school elective courses. In addition, free access to 12 EdReady Math and EdReady English resources for middle and high school students will be supported by the NROC Project through September 1, 2023.

Michigan Virtual maintains 183 semester-length course offerings provided by *Michigan Virtual*, FlexPoint Education Cloud, eDynamic Learning, Inc., and Accelerate Education, that districts and schools can access through the Collaborative Partnerships model. With this model, schools customize and deliver these online courses to their own student populations using their local teachers and the *Michigan Virtual* Brightspace Learning Management System (LMS).

Consistent with a commitment to provide equity in access to online learning opportunities for all students, *Michigan Virtual* maintains multiple integrated text-to-speech learning tools within learning and content management systems utilized for student courses. Continued efforts are underway to expand the pool of customized assessments available to support accommodated online testing services within online courses. *Michigan Virtual* has also adopted two courses designed to provide strategic reading support for at-risk or struggling readers.

As part of *Michigan Virtual's* efforts to continuously improve and assure online course quality, the following priorities have been adopted for the current school year:

- Develop new course offerings in the following subject areas: Algebra I (competency-based) and Spanish II.
- Evaluate potential opportunities to acquire or adopt one or more online courses for English Language Learners, an additional Advanced Placement (AP) course, as well as elective courses aimed at the exploration of a variety of career fields and 21st century technologies.
- Continue efforts to design and develop 12 year-long online courses that fulfill Michigan's English Language Arts, mathematics, science, and social studies standards in grades six through eight, with the intent to deploy a minimum of four of these middle school course offerings by September 2023.
- Realign and restructure assessments within the 24 Essentials credit recovery courses to better align to Michigan content standards and improve the associations between module pretests and remediation tests.
- Submit a minimum of five semester-length courses to Quality Matters for independent course quality reviews.
- Continue to expand accommodated testing opportunities for students with individualized education programs (IEPs).

Professional Learning

Professional Learning in Michigan

The 2021-2022 school year continued to be impacted by the pandemic that disrupted learning across the country. During the year, our educational community members' social and emotional health took center stage. One of the Michigan Department of Education's primary goals was to support the health and safety of all students. Part of this work included a goal of having as many educators as possible complete the Introduction to SEL, an online course offered through *Michigan Virtual*.

As an organization, *Michigan Virtual* realizes how important it is that teachers have quality professional development focused on supporting the needs of all students which is why it created a course entitled Executive Functioning. This course shares the six cognitive clusters that foster a student's ability to regulate their attention, working memory, and inhibitory control. This course offers learners the opportunity to see what these might look like both in and out of the classroom.

Along with students' social and emotional needs, concerns around equitable opportunities for all learners prompted funding from the Governor's office to provide professional development around inclusive education. The Governor's Emergency Education Relief Fund program funded a new collaborative project between Michigan State University, The University of Michigan, and *Michigan Virtual* to provide online modules for educators to address the topic of inclusive teaching and learning.

Michigan Virtual continued to partner with MSU and the Michigan State Police in the creation of six Michigan State Police Training Courses in School Safety and Mental Health for School Resource Officers. These courses are designed to provide an overview of the important connection between mental health and school safety and will be ready for release in 2023.

Barriers and Opportunities for Professional Learning

Currently educators in Michigan may take three paths to certification:

1. Through state-approved alternative routes to teaching certification.
2. Pursuing a mixture of university credit hours and State Continuing Education Hours (SCECH).
3. Pursuing only university credit hours to earn their teacher certification.

The opportunity to improve educator development through a more personalized and flexible system, such as Micro-credentials, could be a pilot for MDE. Micro-credentials are a competency-based recognition whereby educators can demonstrate mastery in certain areas. While Micro-credentials are still a relatively new form of learning, the conversation continues to grow around demonstrating mastery of knowledge and defining learning pathways. *Michigan Virtual* recommends the creation of micro-credentials continue to be an area of focus in Michigan. It would be helpful to consider how to prepare educators for the field with more focused and appropriate professional development defined by the needs of that educator.

Along with micro-credentials, *Michigan Virtual* is experimenting with new methods of delivering content to educators. Through the GEERS grant and partnership with MSU and U of M, courses have been made available on our professional learning platform through a learning management system. Four of these courses have been revised to create a new micro-learning opportunity where learners can choose SMS or email delivery of this content.

Micro-Learning allows learners to engage with content in smaller sessions over time. Rather than having to log into a system and cover all content, Micro-Learning enables the learner to receive text messages or emails that include smaller content sections. Each day a fresh learning opportunity is presented until the course is completed. This new way of learning allows us to research how educators might engage with content in personalized and meaningful ways.

In thinking about barriers to professional learning, mindset, as it relates to the difference between quality online learning and emergency remote online learning, may be an obstacle to overcome and could offer opportunities for teachers and administrators to learn more about quality online instruction. During the pandemic, many districts instituted remote online learning practices. Moving classes into the online space with very little support or training, educators reacted in a crisis to serve and protect students. While educators did their best, ultimately, few teachers were provided with sufficient professional development for this type of remote teaching. In addition, limitations in technology and learning management systems left some stakeholders perceiving online learning as inferior. To overcome this barrier, we are creating more options for educators to learn about online and blended instruction, including a new professional learning community dedicated to online learning. This community will meet monthly and educators from across the state are invited. This community allows teachers to ask questions and support one another and is facilitated by veteran online and blended educators.

Misconceptions between remote and online learning have been difficult to dispel. When discussing online learning versus remote learning, it is important to keep in mind that these experiences are very different. Quality online education takes weeks or months of planning, with educators learning best practices in pedagogy in an online environment. These teachers are trained to instruct in an online space and trained on specific tools and ways to engage online students. To meet the needs of the educators, it is vital to know their preferences, challenges, and topics of interest.

This year, we want to dive deeper into what learners want from their professional development experiences. Additionally, we hope to collect information based on educator location to help us offer targeted support to various populations. Utilizing surveys and focus groups, we hope to capture information such as:

- What does your ideal professional development experience look like?
- What are you learning about?
- How do you participate?
- What is NOT a part of your ideal PD experience?

Additionally, *Michigan Virtual* has added an option to our group registration enrollment program whereby we offer facilitated face-to-face sessions to support online professional development. This blended approach was developed based on feedback from educators wanting a more personalized experience connected to their building goals. Honoring educators' requests for more personalized learning, we have also worked on updating and facilitating our MyPD courses. These courses allow learners the opportunity to earn credit for learning that happens outside the traditional professional development. Teachers define a problem of practice, create a plan to address this problem, reflect on the learning experience, and receive valuable feedback from our professional learning specialists.

Equity across the state is a barrier to the success of learners. Not all districts have curricula aligned to the state standards, nor do all students have access to the same learning resources. To make resources and curriculum available to those who need them most, we are creating a suite of courses focusing on free curriculum and resources. These courses will be 1-2 SCECHs and include topics such as Michigan E-Learning Library and Michigan Open Book Project. We also continue to offer a course on open educational resources provided by the Michigan GoOpen program. We have found that many educators are unaware of these valuable free resources available to them.

We have seen continued demand for professional learning that is quality, on demand and personalized. Currently our state appropriation support is built around the directive of serving at least 30,000 users. In 2021-22, *Michigan Virtual* served closer to 50,000. As we continue to enroll new learners, we face the barrier of limited funding for expanding platform and license costs.

Michigan Virtual Professional Learning Fast Facts for 2021-22

- More than 48,000 learners took one or more professional learning courses through *Michigan Virtual*.
- These learners produced over 133,000 professional enrollments across 290 online courses.
- *Michigan Virtual* processed over 215,000 completed State Continuing Education Clock Hours (SCECH).
- Educators enrolled from 100% of the state's ISDs, 97% of the LEA districts, 98% of the PSA districts, and 60% of the nonpublic schools.
- Over 26,000 professional learners completed an end of course survey, and 94% reported being highly satisfied with their experience.

Learners

Michigan Virtual served more than 48,000 professional learners through its professional learning portal. Users of the portal are asked to declare what professional roles they serve in, though this is not a required field. Users may select more than one role. Learners from this year self-identified as:

- Administrator: 3,656
- Mentor: 641
- School Counselor: 1,407
- Support Staff: 6,753
- Teacher: 29,694
- Other: 6,579
- Not Declared: 3,241

Districts

Professional learners represented all 56 Michigan ISDs. Ninety-seven percent of Michigan local education agencies (LEA) districts had learners. Ninety-eight percent of public school academy (PSA) districts were served. There were 408 nonpublic schools that had learners take at least one online professional learning course which represents 60% of the nonpublic schools in the state.

Seven LEA districts and one PSA district used *Michigan Virtual's* Group Registration and Enrollment program (GRE). Through this service, districts pay a low cost to register staff into courses of their choosing. Along with enrollment services, districts receive reports on staff progress. GRE can be personalized to meet educators' needs and allows for professional development flexibility.

Courses

Michigan Virtual's professional learning portal yielded professional learning enrollments in close to 300 different course titles. More than 50,000 enrollments came from courses developed through a partnership with the Michigan Department of Education. Over 44,000 enrollments stem from compliance courses educators need to take in order to maintain their teaching certificates or perform their job functions. Around 20,000 enrollments were provided in Essential Instructional Practices in Early Literacy K-3, Prekindergarten, and School and Center-wide courses. Over 26,500 enrollments came from courses covering Social-Emotional Learning. Just under 7,500 enrollments occurred in courses addressing remote and online teaching and learning. Finally, *Michigan Virtual* provided over 2,200 enrollments in counseling courses related to college preparation and selection, as well as advising on military options.

Michigan Virtual also served as one, if not the, largest provider of SCECH processing over 215,000 completed State Continuing Education Clock Hours (SCECH).

Professional Learning Activities

During the year, *Michigan Virtual* updated its certification process in the professional learning platform to provide certifications within minutes instead of hours. In addition to updating our certification process, we worked with MiRegistry to create a connection between platforms, allowing early educators to automatically receive credit for taking *Michigan Virtual* courses.

Michigan Virtual works closely with partners at MDE to support the #GoOpen initiative; this year *Michigan Virtual* provided support to ensure the maintenance of the current system providing open educational resources to districts and classrooms. In addition to covering this cost, *Michigan Virtual* staff serve on the Michigan #GoOpen workgroup.

Michigan Virtual had the opportunity to collaborate with a nationally renowned researcher of innovation in education, an adjunct researcher for the Christensen Institute, and the president of Ready to Blend, Heather Staker. Heather joined in Traverse City to facilitate and train staff on her updated workshop on student-centered learning, Teacher Boost. Our team then worked with Heather to design an online version of her workshop, which we will facilitate in the 2023 school year.

For summer professional learning, we took a different approach. Recognizing educators left their classrooms in June needing to decompress and process the school year, we wanted to offer low-stakes opportunities to engage in professional learning. Therefore, we created video discussions with educators about teacher and student agency, collaboration and feedback, and practical discussions. Each video was accompanied by a one-page resource, where learners could engage with the topic based on various entry points: starting or sustaining the practice.

The development and scaling of the recognition of skills, knowledge, and aptitudes exhibited by master teachers through micro-credentials continue to grow. The development of professional learning pathways related to various domains, and the ability to efficiently receive, review, and provide feedback on work-embedded artifacts of competencies in these domains is a *Michigan Virtual* priority. A co-developed platform to enable the management of expert review pools to evaluate micro-credential evidence across different domains launched in beta in the summer of 2022.

Partnerships to Reach Educational Professionals

Through collaborative partnerships, *Michigan Virtual* built online course content meeting the needs of administrators, teachers, and counselors. Our partnerships during the 2021-22 fiscal year are listed below:

- Center for Educational Improvement (CEI)
- Detroit Public Television, The Learning Channel
- GVSU Connect K-12
- MACUL
- Michigan ASCD
- Michigan Assessment Consortium
- Michigan Association of College Admissions Counselors
- Michigan Association of Intermediate School Administrators
- Michigan Association of Secondary School Principals
- Michigan Association of Superintendents and Administrators
- Michigan Department of Education
- Michigan Elementary and Middle School Principals
- Michigan State Police
- MiRegistry
- REMC
- TRAILS

As an organization, *Michigan Virtual* realizes that partnerships with other educational organizations allow us to significantly impact the students we serve. In addition to partnering with our K-12 communities, we have worked to support those educators who serve our youngest learners. This year, a partnership with MiRegistry was established to make professional development for preschool and daycare providers easily accessible. Through the *Michigan Virtual* Professional Learning Platform, educators can quickly find MiRegistry-approved programs and receive their continuing education credits. Along with these system connections, we have worked with MiRegistry to create and host additional courses for learners.

Michigan Virtual also worked with the TRAILS team to host and design online learning focused on a Social and Emotional Learning (SEL) Curriculum. Educators completing this course will understand the structure and intentions of the TRAILS SEL curriculum, the theoretical foundation, and the skills embedded in the curriculum. They can then apply this knowledge to their classrooms, buildings, and districts.

Along with our work with TRAILS, *Michigan Virtual* partnered with Blue Cross Blue Shield and MEMSPA to create a suite of adolescent suicide prevention courses. These courses have been widely popular, with over 2,000 completions in educator-focused courses and nearly 100 completions in the general public course.

The Center for Educational Improvement (CEI) is an intentional collaboration of educators and researchers actively engaging in creating a transformational education system focused on collective healing and holistic learning. They received a US Department of Education grant to provide resources and support to educators around Michigan and beyond. CEI and *Michigan Virtual* are working together to offer up to six facilitated courses and three micro-credentials.

Michigan Virtual is proud of our work to provide Michigan educators access to timely professional learning. We worked with Detroit Public Television to promote the summer learning resources they created and organized. Recognizing that the technology landscape has significantly changed since the pandemic, *Michigan Virtual* revamped our blended learning courses to reflect educators' past experiences and potential direction regarding meaningful technology integration. Additionally, in acknowledgment that educators do not always have long periods to devote to professional learning, we broke the popular MDE course, Changing Minds to Address Poverty, formerly 11 SCECHs, into seven smaller, 1-2 SCECH courses. This allows teachers to create their pathway through the content.

Michigan Virtual also offered its Collaborative Partnership Program, pairing local teachers and staff with *Michigan Virtual* student learning courses and comprehensive training and support. The program served nine district Partners, consisting of 24 individual schools, and a total of 854 students and 2,565-course enrollments. Staff from all nine partners included 54 Collaborative instructors and 27 administrators; each member enrolled in an onboarding training course. Additionally, learners were invited to attend monthly workshops with topics including learner engagement and support, social-emotional learning, and mastering the learning management system.

Looking to the Future

As districts around the state face teacher shortages, *Michigan Virtual* looks to partner with other educational organizations to offer training to new educators. We are finishing a course entitled "Landing the Job" that gives perspective teachers tips for interviewing for positions. We have worked with human resources leaders to implement best practices within this learning. In thinking of additional partnerships

to increase interest in academic positions, *Michigan Virtual* could partner with local ISDs within the state to showcase their openings and offer micro-learning opportunities.

With students returning to in-person learning, *Michigan Virtual* is focusing this year on best practices to bring blended and online learning into the classroom and provide a more student-centered experience. In addition, this year, we will continue to offer our Teacher Boost program, which helps teachers redesign teacher-led instruction with more student-centered learning strategies and models.

Our Blended Book Studies series will utilize anchor texts to reflect, apply, and connect effective strategies to classroom practice through self-paced coursework and optional live Zoom sessions. Additionally, *Michigan Virtual* will continue to showcase strategies that deepen classroom relationships and increase student agency through our Professional Learning Blog Series. Each blog post also includes a planning template to support classroom implementation.

Application of learning is integral to quality professional development, which is why *Michigan Virtual* is creating skill application courses that focus on a targeted skill or practice that allows learners to apply their learning and receive feedback. Courses include Implementing Universal Design for Learning Principles and Supporting Students through Check-Ins.

Michigan Virtual knows the importance of working together with other organizations. Therefore, when looking to the future, we have identified additional partnerships to create a more robust catalog of professional development experiences for educators across the state. Some of our focuses include teacher recruitment, computer science, practical pedagogical practices and frameworks, and birth to kindergarten learning.

Course Topics and Feedback

Our professional learning platform offers educators an opportunity to explore many different topics. When designing our professional learning opportunities, *Michigan Virtual* partners with various organizations that provide subject matter expertise. As we build, buy, or broker coursework, we are mindful of the National Quality Standards for Online Courses and apply the relevant standards whenever possible.

Below are standards adapted from the National Standards for Quality Online Courses⁵ that *Michigan Virtual* utilizes when building content or adding vendor courses to our professional learning platform:

- The overall design of the course is made clear to the learner at the beginning of the course. The course materials include support services essential to learner and instructor success. Course instructions articulate or link to relevant information and services.
- The online course provides learners with various content options that promote their mastery of content and are aligned with state or national content standards.
- The online course incorporates instructional materials, activities, resources, and assessments that are aligned to standards, engage all learners, and support the achievement of academic goals.
- A variety of assessment strategies are used throughout the course geared toward learning and engagement and learners are provided with feedback on their progress.

- The course design reflects a commitment to accessibility so that all learners can access all content and activities and to usability so that all learners can easily navigate and interact with all course components. Online course materials, activities, and assessments are designed to ensure that all learners have access to the same information and are able to engage in the same interactions and within the same time frame. The course, developed with universal design principles in mind, addresses Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act (ADA) by following (Web Content Accessibility Guidelines) WCAG 2.0 AA standards. This does not guarantee or imply that particular country/federal/state/local accessibility regulations are met. Please consult with an accessibility specialist to ensure that all required accessibility regulations are met.

We strive to provide professional learning opportunities based on the latest education research. We frequently use external subject matter experts who help identify best practices and guide our instructional design team as they build online modules. Michigan educators who access our professional development services routinely offer satisfaction ratings above 90%. As part of our continuous improvement process, we actively seek user feedback to make revisions, learn about areas of concern, and gather suggestions for additional offerings.

If learners have feedback about the content or design of our courses, we encourage them to share it with using our ticketing system.⁶ When filing a ticket, a user can denote that it is for professional learning and then select that there is an issue with the PLP course content. The user can select from sub-options that include, among others, Content Bias, Content Error, and Content Design Issue. Tickets flagged with these indicators will be review by our Director of Customer Care and our Senior Director of Professional Learning. This information on the online course standards as well as how to file a complaint about course content and detailed steps for review and resolution are also included on the *Michigan Virtual* website.⁷

Research Institute

Section 98 of the State School Aid Act⁸ also directs *Michigan Virtual* through its research institute, *MVLRI*, to address the following tasks to strengthen teaching and learning for K-12 education. Toward that end, *MVLRI* has responsibilities as summarized in the items below.

(A) Support and accelerate innovation in education through the following activities:

2(a)(i) Test, evaluate, and recommend as appropriate new technology-based instructional tools and resources.

MVLRI conducted a spring research pilot of an artificial intelligence engine that uses LMS data to create synthetic attitudinal profiles of students enrolled in *Michigan Virtual* student courses. Four groups of students were curated, a control, a test group that received generic nudges not associated with a profile, a test group that received specific profile nudges associated with a communication strategy, and a fourth test group that received only the profile nudge with no specific communication strategy. Over half the students (56.3%) of the test groups were associated with a “disorganized” attitudinal state and received communications through the learning management system (LMS) encouraging them to seek help from their support networks for specific markers. Eight percent of the students fell into a “high risk” category of having multiple negative attitudinal states identified. Engagement with the in-LMS communications was 24.8%, meaning a quarter of the students who were nudged, interacted with the communication to access

an intervention resource created by *MVLRI*. Early results of the pilot were shared at the Virtual Learning Leadership Alliance conference in September 2022.

Michigan Virtual continued to participate as a contributing member with 1EdTech (formerly IMS Global), the international open standards organization for education technology interoperability. Representatives from *Michigan Virtual* participated in the Digital Credentials Summit in February 2022, as well as co-presented with 1EdTech at the Digital Learning Collaborative Annual Conference, also in February. *MVLRI* leadership also played a key role in heading the Virtual School Innovation Leaders Network and participated in the Statewide Programs Committee for 1EdTech. *Michigan Virtual* was recognized for its leadership in promoting open standards adoption for schools and vendors in the education technology ecosystem. Through this work, *Michigan Virtual* is helping Michigan districts by promoting that suppliers be expected to work together to create seamless integrations that leverage and inform open standards, are expected to be forthcoming and transparent about compliance with standards related to student data privacy, and that all educational institutions shall be able to understand all fees or other pre-conditions for implementing and supporting open standards integration.

Michigan Virtual continues to delve into exploration of next-generation learning platforms, including discovery around micro- and social-learning platforms. Micro-learning is focused on parsing learning content out of smaller chunks across a consistent timeline, often increasing user engagement through mobile devices through text messaging or social media type applications. The micro-learning platform Arist was explored as part of the work done through the Governor's Emergency Education Relief funds. *Michigan Virtual* also utilized a social-learning platform, called Wizdn, to offer a summer enrichment course for middle school students called "Introduction to Esports". The Wizdn platform offers up course content embedded in a social learning space allowing for users to contribute in an integrated way within the course content and for the group to control the dynamics of the lesson experience. Both platforms are being tested and explored as possible ways to deliver online student/mentor communications associated with the learning content and support resources.

Two programs were run in the summer of 2022 to provide parents options to engage their middle school aged students in atypical online learning environments for innovative new programming. The first was a set of week or month long "coding" camps that were virtual, live facilitated courses focusing on programming in Roblox, Minecraft, and Scratch. These camps ran through an online portal and had facilitator interaction at regular intervals while students worked on tasks asynchronously. Students entered the program with an average of 94% interest in careers in coding and left the program reporting 100% interest. The second summer enrichment opportunity was for middle school aged students to engage in an "Intro to Esports" self-paced course, that covered six basic areas around the new space of esports. As part of this self-paced course, a weekly webinar with a diverse set of esports industry professionals was hosted as part of the programming, allowing students to hear from a variety of people who support, participate in, and administer esports programs at the K-12, higher education, and professional level. Both summer enrichment programs looked at new models of digital learning delivery, as well as recognizing 21st century skills through collaboration, communication, creativity, and critical thinking. Details about summer enrichment experiences are available on the *Michigan Virtual* website.⁹

A blog series¹⁰ focused on providing teachers with easy-to-use guides that contain resources and tools for integrating instructional practices into their classrooms was published throughout 2022. The content within each blog is focused on topics highly relevant to current educational trends and effective practices in digital learning.

- Integrating STEM into the classroom: The Grand Challenges of Engineering
- Simulations, Visualizations, and Interactives: When to use them, why you should use them, and where to find them.
- Eight go-to SEL tools for teachers
- 21st Century Skills: What are they, how should I teach them, and why are they important?

Each blog is designed to provide teachers with resources, examples, and ideas to effectively implement and integrate content into their curriculum, enabling engaging, high-quality, digital learning experiences for their students.

2(a)(ii) Research, design, and recommend digital education delivery models for use by pupils and teachers that include age-appropriate multimedia instructional content.

Michigan Virtual contracted with Public Sector Consultants to survey Michigan adults—with particular interest in the perspectives of parents of K-12 students and college students—on their experiences and feelings towards online learning in Michigan. This survey built on surveys conducted in previous years and added new questions specific to perceptions regarding emergency remote instruction during the pandemic and desires to continue online learning past the pandemic. The final report¹¹ from Public Sector Consultants was delivered in summer 2022.

Michigan Virtual worked with Dr. Jacqueline Zweig to explore student engagement with virtual course assignments and related resources and student outcomes. Fall 2021 semester data was collected from the *Michigan Virtual* LMS and CourseArc in February 2022. Data analysis took place in spring and summer 2022. Findings from the research study were shared internally, and a formal report is on the website.¹²

As part of the process of developing the FY23 *MVLRI* research agenda, the research team collaborated with the Future of Learning Council to identify the types of research studies and related outputs that would not only help meet the needs of the Council, but would also help educators throughout the state understand what student-centered learning looked like and how schools were implementing such practices. The *Michigan Virtual* research team published case studies¹³ that explored the ways in which three Michigan school districts were designing and implementing student-centered learning. One study reveals how a variety of pathways and virtual learning options encouraged students to take ownership of their learning and develop agency. Another study found a shared vision for student success (a Portrait of a Graduate) led to several different programs capable of meeting students' individual needs. A third study spurred creativity and cross-curricular connections through makerspaces and pathways that support the diversity of their students and families while changing the traditional grade level model. The studies reflect approaches to building student relationships, increasing learner agency, meeting students where they are, and opportunities for deeper learning; all factors known to support schools and communities in a shift toward student-centered learning.

Completed in partnership with the Michigan CoOp, *Michigan Virtual* explored how three different Michigan school districts were making significant progress in terms of creating student-centered learning models. Site visits were conducted during October and November 2021 resulting in three separate case studies: *Empowering Teachers and Capturing Kids' Hearts®: The Public Schools of Calumet, Laurium, and Keweenaw's Journey Toward Student-Centered Learning*¹⁴, *Through Community and Culture, Oxford Community Schools Makes Learning Student-Centered*¹⁵, and *Programs, Pathways, and Proficiency Scales Anchor Student-Centered Learning at Berrien Springs Public Schools*.¹⁶

Researchers Dr. Kerry Rice and Dr. Andy Hung continued to refine their early warning prediction model based on Brightspace data provided by *Michigan Virtual*. Dr. Rice and Dr. Hung met with the *MVLRI* research team to discuss current model predictions, accuracy, and thresholds. Based on this meeting Dr. Rice and Dr. Hung collected fall 2021 data to further refine and test their predictive model. Findings from this work were shared internally with *Michigan Virtual* staff.

2(a)(iii) Research, develop, and recommend annually to the department criteria by which cyber schools and virtual course providers should be monitored and evaluated to ensure a quality education for their pupils.

More than 3,000 Michigan educators were invited to participate in a free review of their online program in June, September, and October of 2021. Perhaps due to the continued effects of COVID-19, no schools conducted an online program review. Communications to schools through email, presentations at education conferences, social media, blogs, and publications will continue to remind Michigan schools of the value of conducting an online program review¹⁷ with our research institute at no cost to district.

Michigan Virtual continues to offer online program reviews at no cost to all Michigan schools and districts. These reviews involve a data collection process comprised of the distribution of an online questionnaire and subsequent interviews of key school or district personnel to understand the design and operation of their programs. Once data are collected and analyzed using a standards-aligned rubric, *Michigan Virtual* personnel write a summary of the school's or district's program along with recommendations for optimizing the program for increased student performance. The reviews reflect the National Standards for Quality Online Programs,¹⁸ however, no schools conducted an online program review.¹⁹

Michigan Virtual staff also sit on the National Standards for Quality Online Learning leadership team. As part of the ongoing enhancement of the standards, work is beginning to create a crosswalk between the teaching standards and the Danielson Framework, which many schools use to evaluate their teaching staff.

Additionally, the National Standards for Quality Online Courses is used in the Micourses website²⁰ for schools to report the results of their course reviews for the statewide catalog of online courses.

2(a)(iv) Based on pupil completion and performance data reported to the department or the center from cyber schools and other virtual course providers operating in this state, analyze the effectiveness of virtual learning delivery models in preparing pupils to be college- and career-ready and publish a report that highlights enrollment totals, completion rates, and the overall impact on pupils. The Michigan Virtual Learning Research Institute shall submit the report to the house and senate appropriations subcommittees on school aid, the state budget director, the house and senate fiscal agencies, the department, districts, and intermediate districts not later than March 31 of each year.

The annual *Michigan's K-12 Virtual Learning Effectiveness Report*²¹ was published, and a transmittal letter and infographic were mailed to required stakeholders, including superintendents and high school and middle school principals. The report was based on pupil completion and performance data reported by schools to MDE or CEPI, and it highlighted 2020-21 enrollment totals, completion rates, and the overall

impact of virtual courses on K-12 pupils. The report found over 418,500 K-12 students took virtual courses in 2020-21, accounting for over 3.6 million virtual course enrollments. Local Education Agencies (LEAs) provided 76% of all virtual enrollments with Public School Academy (PSA) schools adding the other 24%. Forty percent of enrollments came from students in high school grades. The pass rate for virtual courses was 74%. Fifty-five percent of virtual learners passed every virtual course they took. About one in six virtual learners, on the other hand, did not pass any of the virtual courses they took. Just shy of 80% of Michigan school districts reported having virtual enrollments. About 29% of all K-12 students in the state took a virtual course. In addition to the report, *Michigan Virtual* posted an infographic²² and a recorded presentation²³ on its website to spread the findings.

2(a)(v) Provide an extensive professional development program to at least 30,000 educational personnel, including teachers, school administrators, and school board members, that focuses on the effective integration of virtual learning into curricula and instruction. The Michigan Virtual Learning Research Institute is encouraged to work with the MiSTEM council described in section 99s to coordinate professional development of teachers in applicable fields. In addition, the Michigan Virtual Learning Research Institute and external stakeholders are encouraged to coordinate with the department for professional development in this state. Not later than December 1 of each year, the Michigan Virtual Learning Research Institute shall submit a report to the house and senate appropriations subcommittees on school aid, the state budget director, the house and senate fiscal agencies, and the department on the number of teachers, school administrators, and school board members who have received professional development services from the Michigan Virtual University. The report must also identify barriers and other opportunities to encourage the adoption of virtual learning in the public education system.

Details of *Michigan Virtual's* professional learning activities are documented earlier in this report under the professional learning section.

2(a)(vi) Identify and share best practices for planning, implementing, and evaluating virtual and blended education delivery models with intermediate districts, districts, and public school academies to accelerate the adoption of innovative education delivery models statewide.

The six Guides to Online Learning²⁴ developed by *Michigan Virtual* reflect Michigan's current Section 21f legislation²⁵ and digital learning research, effective practices, and free resources for schools to enhance their programs. The Guides are promoted annually through blogs, publications, infographics, and social media to highlight components of learning virtually known to be effective and to connect people to the Guides on our website.

Michigan Virtual collected research and resources on equity in education in Michigan, as well as digital equity in education in winter 2022. Resources were analyzed and synthesized into a report²⁶ that details equity statistics in Michigan, considerations for equity in online education, and provides recommendations to school leaders and digital course providers to increase equity in digital learning. The report was published to the *Michigan Virtual* website in summer 2022.

In publishing their July 2021 research report²⁷ on the social and emotional needs of Michigan educators, researchers at *Michigan Virtual* discovered that the lack of social and emotional supports is one major reason for why teachers and administrators have considered leaving the education field in recent school

years. It also explains why people are not entering the field of education. In response, the research team developed a research study that examined the place of social and emotional supports in the recruitment and retention of online teachers. The study also identified effective practices in averting a shortage of teachers. The research team partnered with the Virtual Learning Leadership Alliance (VLLA) to recruit relevant administrators at online programs in Michigan and across the country to complete the study's survey. The final report was published in May of 2022.²⁸

Michigan Virtual research found that social-emotional learning (SEL) curricula help students, educators, and communities grow, but more information was needed on educators' perceptions of the effectiveness of the SEL training they pursue on their own or through their schools or districts. In response, the research team published a study that shed light on the perceived effectiveness of educator SEL training that takes place online. An online survey asked educators about perceived effectiveness of their online SEL courses as well as how they see those courses impacting their job satisfaction, performance, and service to students. Educators were also asked what they found to be effective in taking their SEL training online. The research team partnered with *Michigan Virtual's* Professional Learning Services team to recruit participants. All educators who completed a *Michigan Virtual* SEL professional learning course during the 2021 calendar year were contacted and asked to complete this study's survey. Data collection was completed in February 2022 with 702 out of the 6,544 total educators participating. The final report²⁹ was published in August 2022.

Michigan Virtual launched a podcast in February 2021 called BRIGHT: Stories of Hope & Innovation in Michigan Classrooms.³⁰ The purpose of this podcast was to showcase the innovative efforts of Michigan educators and posit a collective vision for the future of learning comprised of diverse voices. This past year, *Michigan Virtual* published 21 episodes of the BRIGHT podcast. In celebration of the podcast's third season, most of these episodes featured three key strategies from educators on topics within their areas of expertise. By sharing these stories, we simultaneously shared best practices while also amplifying the work of educators who've already adopted innovative education delivery models in their classrooms, schools, or districts.

In the July 2021 research report mentioned above, researchers at *Michigan Virtual* discovered that a lack of time and an overwhelming amount of work contributed to teachers' feelings of burnout and frustration in doing their jobs. In response, a member of the research team wrote a blog series called "Time for Teachers".³¹ The series identified ways to help teachers streamline their work and more effectively manage the many tasks and priorities they need to accomplish in their jobs. Three blog posts were published in this series. The first post focused on the distinction between systemic and individual barriers and solutions. The second focused on examples of systemic barriers and solutions, as well as the power of self-assessment. The third post focused on examples of individual barriers and solutions.

Michigan Virtual research has shown that the lack of social and emotional supports is one major reason for why teachers and administrators have considered leaving the education field in recent school years. To address this, a member of the research team authored a four-part blog series³² focused on how the integration of social and emotional supports in schools and communities can help mitigate an educator shortage crisis in Michigan and beyond. One of the posts was released in the prior fiscal year. The first post of this fiscal year focused on teacher recruitment and retention challenges and potential solutions in Michigan. The second summarized the findings and implications of a 2021 U.S. Department of Education and Michigan Department of Education study on supports that are associated with higher teacher

retention in Michigan. The final post shared a movement designed to help districts grow teacher recruitment efforts by encouraging their own students to become future educators.

Michigan Virtual published a blog series³³ on effective practices specific to providing professional learning experiences for teachers. The series provides insights into effectively designing and delivering professional learning to educators based on direct input from learners via end of course survey data. Implications are provided for teachers who are creating their own online content, school leaders and teachers who are evaluating online courses, instructional designers of online professional development courses, as well as individuals delivering professional development to educators. The blog series was comprised of three individual posts which were released throughout 2022.

In spring 2022, *Michigan Virtual* formally launched its consulting services for schools, districts, and educational organizations. *Michigan Virtual* serves as a trusted partner for Michigan schools and districts seeking to implement student-centered learning environments to meet their own unique instructional objectives. *Michigan Virtual's* approach is to collaborate with individual school communities to help them uncover, formulate, and/or execute upon a future-focused vision of teaching and learning. Once the school's or district's vision has been articulated, *Michigan Virtual* guides school leaders through the process of building a digital learning program that meets the school's or district's needs.

(B) Provide leadership for this state's system of virtual learning education by doing the following activities:

2(b)(i) Develop and report policy recommendations to the governor and the legislature that accelerate the expansion of effective virtual learning in this state's schools.

In December 2021, *Michigan Virtual* submitted nine recommendations to address current virtual learning issues. They included:

- Increase flexibility in seat-time requirements
- Support Literacy Essentials in grades 4-5
- Formalize district virtual learning options for parents and students
- Increase virtual learning accountability and transparency
- Create alternative teacher pathways
- Expand summer learning opportunities
- Allocate funding to redesign MOECS
- Change teacher effectiveness rating responsibilities
- Revise reporting field to collect credit recovery data

2(b)(ii) Provide a clearinghouse for research reports, academic studies, evaluations, and other information related to virtual learning.

Michigan Virtual continues to maintain the nationally recognized Research Clearinghouse.³⁴ The Clearinghouse is one of, if not the, largest collections in the country cataloging over 1,200 resources. The Clearinghouse, and the resources specifically, were promoted through the development, publication, and dissemination of quarterly newsletters.

- Winter 2021 Clearinghouse Newsletter (December 2021)³⁵

- Spring 2022 Clearinghouse Newsletter (May 2022)³⁶
- Summer 2022 Clearinghouse Newsletter (July 2022)³⁷
- Fall 2022 Clearinghouse Newsletter (September 2022)³⁸

The Clearinghouse also underwent a major redesign in 2021-22 and was updated to add more user-friendly options such as the ability to add resources to a user library and easier editing options.

2(b)(iii) Promote and distribute the most current instructional design standards and guidelines for virtual teaching.

Michigan Virtual continues to promote and distribute current instructional design standards and guidelines for virtual teaching. In support of this work, the Research Clearinghouse hosts over 70 instructional design resources as well as the National Standards for Quality Online Learning.

Michigan Virtual submitted and had accepted two proposals to present on instructional design best practices at the MACUL conference in March 2022. These included *How to win the game after your players show up; Increasing engagement and accountability in the online and blended environments*, as well as *Practical Tips, Tools & Techniques for Teaching Online*. Additionally, we were asked to submit a proposal for a presentation for the Michigan After-School Partnership annual conferences in January 2022 under the title *How to Connect with Kids in a Digital Age.*"

Michigan Virtual continued to promote, maintain, and support free online professional development resources to train teachers in the instructional design of online content. This includes revisions to our *Instructional Practices with Technology*³⁹ and *Blended Classroom Design*⁴⁰ courses to improve the user experience and update the content. *Michigan Virtual* also developed a new online instructor orientation for instructors of our online collaborative model. One of our Lead Instructional Designers presented at the Quality Matters Conference. Their presentation, *Plan, Design, Deliver* can be found on the QM YouTube channel.⁴¹ Additionally, the instructional design related sessions from MACUL, including *increasing engagement and accountability in the online and blended environments*,⁴² as well as *Practical Tips, Tools & Techniques for Teaching Online*⁴³ have been made available publicly on the *Michigan Virtual* website.

2(b)(iv) In collaboration with the department and interested colleges and universities in this state, support implementation and improvements related to effective virtual learning instruction.

Michigan Virtual continued to partner with the education departments at Michigan State University and University of Michigan to finish the development and deployment of courses for educational staff around inclusive teaching practices in a variety of categories. This partnership stemmed from a grant from the Governor's Emergency Education Relief Fund, and the modules created were made available online at no cost to Michigan educators in a non-facilitated format. SCECHs were granted for those educators who completed these courses.

Our first ever Michigan EdTech Innovation Pitch Contest & Bootcamp was held to encourage and support innovative thinking by those in Michigan's education ecosystem, helping them develop and share ideas that have the potential to advance learning and teaching using existing technology or the development of new technology. This was held in partnership with Spartan Innovations from the MSU Foundation, The Burgess Institute at Michigan State University, and the Michigan Small Business Development Center. A total of 15 educators submitted qualifying ideas for the pitch contest, with the top three receiving start-up

grant funding from *Michigan Virtual*, legal support from Foster Swift, and marketing support from Michigan Creative. The bootcamp, which was opened to all in Michigan's education ecosystem, helped participants further explore and develop a business model around their idea while also introducing them to resources and supports that are available to entrepreneurs and innovators in Michigan.

This year marked the second annual meeting of the *Michigan Virtual Learning Research Institute* Innovation Advisory Council. The council is an opportunity for *Michigan Virtual* to seek participation from higher education institutions to provide diversity of perspectives and expertise on the portfolio of *MVLR* research and development projects. Two individuals from higher ed continued to serve on the council: Dr. Matthew Koehler from the College of Education at Michigan State University and Dr. Stefanie Marshall from the College of Education at the University of Minnesota. These two council members serve alongside five other individuals with expertise outside of higher education.

2(b)(v) Pursue public/private partnerships that include districts to study and implement competency-based technology-rich virtual learning models.

Lead investigators of the *Michigan Virtual* research team partnered with two organizations to conduct research studies that are highly relevant to Michigan schools and districts. Specifically, *Michigan Virtual* and the Michigan CoOp joined forces to study how student-centered learning practices were being implemented in specific school districts within the state. In addition, a study focused on SEL for educators within the state of Michigan was supported by LivingSLOW and MEMSPA.

Michigan Virtual worked with two organizations in creating micro-credential programs. Working with Grand Valley State University, *Michigan Virtual* has worked to create a micro-credential series focused on educators' proficiencies in teaching reading skills to students for GVSU's K-12 Connect office. There are six micro-credentials, each focused on a separate reading-related topic: Phonemic Awareness, English Code Complexities, Decoding and Encoding Through Sound Boxes, Vocabulary Acquisition, Reading Fluency, and Strategic Reading Conversations. Through these learning experiences, educators show competency in applying different reading strategies and setting realistic goals for students that relate to essential components of reading. *Michigan Virtual* also worked with the Michigan Association of Computer Users in Learning (MACUL) to create an esports coach micro-credential program to credential coaches in areas critical to starting and running an esports program in Michigan school districts. These areas included advocacy, operations, legal, funding, sustainability, competition, leadership, and technology. This micro-credential stack is being finalized to be offered through MACUL in 2023.

Michigan Virtual maintained memberships and actively participated in several national level organizations that focus on the promotion of digital learning in K-12 education. These include:

- 1EdTech – open standards & interoperability
- Aurora Institute – personalized learning
- Digital Learning Collaborative – digital & online learning
- NROC – high quality instructional resources
- Quality Matters – high quality online course design
- Virtual Learning Leadership Alliance – high quality online programs

Michigan Virtual provided continuous support and resources to launch the Future of Learning Council in October 2021, consisting of a group of over 42 LEAs and ISD/RESAs from across Michigan. This included

the planning and implementation of monthly professional learning meetings, the majority of which were held at the *Michigan Virtual* building throughout the year. Topics covered during these sessions explored creating innovative educational environments, designing innovative instructional frameworks, and providing time for districts to work with their leadership teams on visioning the future of education, post-pandemic. In April, *MVLRI* provided ten FLC superintendents the opportunity to travel to the ASU+GSV Summit in San Diego through a grant program from the summit sponsors. In August 2022, *Michigan Virtual* co-sponsored a day long institute for the FLC superintendents with Michael Horn, Author of 2009's *Disrupting Class* and 2012's *Blended*, on his new book *From Reopen to Reinvent: (Re)creating School for Every Child*.

The following are quotes from the superintendents who participated in the ASU+GSV 2022 Summit:

"The opportunity that MVLRI provides for educators to attend a world class ed-tech conference is one of the best things I've experienced in my career. The opportunity to travel, network, and learn with other forward thinking Michigan administrators was absolutely fantastic."

"I am so thankful for the support from MVLRI to attend the ASU+GSV Summit this year. As we seek to design educational systems that support student learning, it is imperative that we expose ourselves to what might be possible. The ASU+GSV conference demonstrated and emphasized these possibilities. I am so grateful to have had the opportunity to attend."

"MVLRI made it possible for K-12 educators to discuss the future of learning at an international level with those who are leading the work. This was only possible because of the support of MVLRI."

"I appreciated the ability to network and visit educators and potential vendors on the new wave of concepts that are looming for education. It was an invaluable experience to brainstorm and discuss topics that will impact youth for generations!"

Through its Innovation Advisory Council, *Michigan Virtual* leverages experts in the public and private sector to inform and improve projects. Individuals who served on the Council this year included: Lucie Howell, Chief Learning Officer of The Henry Ford; Thomas Arnett, Senior Research Fellow (Education) of the Christensen Institute; Anupum Chugh Sidhu, Instructional Technology Manager of Wayne RESA and Plymouth-Canton school board member; Keeanna Warren, Associate Executive Director of Purdue Polytechnic High Schools; and Tanya Leon, English Teacher at Fraser Public Schools.

2(b)(vi) Create a statewide network of school-based mentors serving as liaisons between pupils, virtual instructors, parents, and school staff, as provided by the department or the center, and provide mentors with research-based training and technical assistance designed to help more pupils be successful virtual learners.

Michigan Virtual has successfully completed the development of an Online Mentor course and Mentor's Corner. This is accessible to all mentors who have students enrolled in Brightspace. It has an abundance of resources available such as The Role of the Mentor, Mentoring Basics, Accommodations, *Michigan Virtual* Policies, and more! The Mentor's Corner will also be a place where mentors can ask questions of the Mentor Support Manager and collaborate with other mentors.

Additionally, *Michigan Virtual* held a virtual Mentor Meetup in March 2022 (Note: additional opportunities were provided but registrations were too few to run a session). At this workshop, mentors connected with other mentors to share about their programs, as well as learn new tools and strategies being used in the field. There were also discussions around pupil accounting and a variety of best practices and available resources shared. The group explored helping struggling students, organizational mentoring strategies, and communication strategies. Feedback from the Mentor Meetup was very positive with many sharing that they learned so much from attending and really enjoyed talking with other mentors.

Historically, *Michigan Virtual* also provides a Mentor Collaboration of the Minds Event in August, however, due to feedback from the field, this event was moved into the school year so more mentors are available to attend. It was held in November 2022.

2(b)(vii) Convene focus groups and conduct annual surveys of teachers, administrators, pupils, parents, and others to identify barriers and opportunities related to virtual learning.

Michigan Virtual held two student focus groups in the spring of 2022, just short of our target of three. Attempts to schedule additional focus groups were made, but it was difficult for schools to coordinate student focus groups while managing COVID policies, staffing shortages, and other demands. A total of 17 students participated across the two groups. One participating school was an urban/suburban district on the east side of the state that was new to supplemental online learning and the other school was a rural/suburban district on the west side with an established supplemental online program.

End-of-course surveys for both students and professional learners provide us with important information on the learner experience and opportunities to better meet learner needs. All learners enrolled in *Michigan Virtual* student and professional learning courses are presented with an optional online questionnaire comprised of questions related to their learning experience. During the October 1, 2021 - September 30, 2022 period, the student end-of-course questionnaire received 3,336 responses, while the professional learning questionnaire received 32,017 responses. In terms of overall satisfaction, 88% of student and 94% of professional learners report being highly satisfied.

Our mentors are also an important source of information and ideas for improvement. As such we provided a survey to all mentors in June 2022. A total of 80 responses were received. The feedback was focused on our courses, instructors, and systems and has been used to make programmatic adjustments that improve both the mentor and the student experience.

We also convened our Mentor Advisory Board on April 18, 2022. The meeting was well attended, and we discussed the new courses and the Student Orientation Unit coming this fall. Mentors were asked for feedback on the new Mentor's Corner that will be housed in Brightspace as a resource for mentors. We also discussed how the Student Success Coaches are working with our full-time students as well as other PD opportunities.

In August 2022, a survey was created and distributed to the Future of Learning Council leads, inclusive of 39 LEAs and 3 ISD superintendents. Of this group, 25 responded to the survey that focused on their professional learning needs in support of innovation in their districts. Four top priorities emerged: instructional frameworks, competency-based learning, micro-schools, and strategic planning.

2(b)(viii) Produce an annual consumer awareness report for schools and parents about effective virtual education providers and education delivery models, performance data, cost structures, and research trends.

Michigan Virtual continued to maintain and update its consumer awareness report twice annually. The updates were completed in the fall and spring. The report, which is available on the *Michigan Virtual* website,⁴⁴ contains the following sections: Background, Providers and Delivery Models, Performance Data, Cost Structures, Research Trends, Conclusions, and Resources. The purpose of the report is to make the public aware of the status of online learning in Michigan and is specifically designed to inform parents, school personnel, and school board members of the nature of online learning options, their effectiveness for Michigan students, the cost of these programs, and current trends related to online learning.

2(b)(ix) Provide an internet-based platform that educators can use to create student-centric learning tools and resources for sharing in the state's open educational resource repository and facilitate a user network that assists educators in using the content creation platform and state repository for open educational resources. As part of this initiative, the Michigan Virtual University shall work collaboratively with districts and intermediate districts to establish a plan to make available virtual resources that align to Michigan's K-12 curriculum standards for use by students, educators, and parents.

Michigan Virtual offered digital content from over 70 high-quality student courses at no cost to Michigan schools and districts. This effort helps support educators and parents with high quality online content that can be used to supplement and enhance student learning opportunities. Schools and parents remain able to access these resources at no cost through the coming school year.⁴⁵

Michigan Virtual also acts as a close partner with Michigan Department of Education and the #GoOpen Michigan Strategy Team. #GoOpen Michigan is a statewide repository of open educational resources. On the #GoOpen Michigan website,⁴⁶ educators can access open educational resources for modification and use in the classroom. *Michigan Virtual* staff serve on the #GoOpen strategy and sub-team, and *Michigan Virtual* covered the cost of maintaining the online platform.

Michigan Virtual also supports educators in the creation and sharing of digital learning objects by providing courses on its Professional Learning Portal. These courses provide training to educators on how to develop their own learning objects as well as learning more about open educational resources, including how #GoOpen Michigan can be leveraged for use in their classrooms.

2(b)(x) Create and maintain a public statewide catalog of virtual learning courses being offered by all public schools and community colleges in this state. The Michigan Virtual Learning Research Institute shall identify and develop a list of nationally recognized best practices for virtual learning and use this list to support reviews of virtual course vendors, courses, and instructional practices. The Michigan Virtual Learning Research Institute shall also provide a mechanism for intermediate districts to use the identified best practices to review content offered by constituent districts. The Michigan Virtual Learning Research Institute shall review the virtual course offerings of the Michigan Virtual University, and make the results from these reviews available to the public as part of the statewide catalog. The Michigan Virtual Learning Research Institute shall ensure that the statewide catalog is made available to the public on the Michigan Virtual University website and shall allow the ability to link it to each district's website as provided for in section 21f. The statewide catalog must also contain all of the following: (A) The number of enrollments in each virtual course in the immediately preceding school year. (B) The number of enrollments that earned 60% or more of the total course points for each virtual course in the immediately preceding school year. (C) The pass rate for each virtual course.

Michigan Virtual continues to utilize internal and external resources to update and maintain functionality of the newly redeveloped Michigan Online Course Catalog (MOCC). *Michigan Virtual* staff members are continuously soliciting and acting on user feedback to bring new functionality to the system and to maintain an efficient and accessible user experience and to support current course catalog needs. Recent updates include work on the public catalog and School Common Exchange of Data (SCED) codes. To support the SCED work, the administrator view of the offerings and courses interfaces were modified to include a downloadable report that contained the SCED or course values. Several new districts or new admins in existing districts were given training and support with adding their district-only online courses.

Michigan Virtual currently offers four professional learning opportunities to help schools understand ways in which they could develop high-quality online courses for students. These courses, aligned to the National Standards for Quality Online Courses, are offered at no cost to educators. Course titles include Getting Started (focus on enhancing existing teaching practices for online and blended learning), Course Content & Design (focus on designing, developing, and deploying online and blended learning), Assessment (focus on measuring student progress in online and blended classrooms), and Meeting Needs (focus on meeting students' individual needs in online and blended classrooms). In 2021-22, there were over 850 enrollments in these courses.

Michigan Virtual submitted a total of 11 courses to Quality Matters for review. Submitted courses include Composition, Psychology, Future Proud Michigan Educator, Employability Skills, Chemistry A/B, AP Physics C A/B, AP Computer Science Principles A/B, AP Chemistry A/B, US History and Geography A/B, Economics and Civics. All courses have subsequently received approval except Economics and Civics, which were still in the review process as of November 2022. Although the benchmark was for five new courses and five recertifications, we submitted a larger number of new courses for review than recertifications this year because of changes to our anticipated development queue for the year.

The Section 21f resources published on the *Michigan Virtual* website⁴⁷ to support schools and their online programs have been updated and continued to be available to schools throughout the 2021-22 fiscal year.

2(b)(xi) Support registration, payment services, and transcript functionality for the statewide catalog and train key stakeholders on how to use new features.

As part of its ongoing support of the statewide catalog, *Michigan Virtual* maintains knowledge base articles specific to micourses.org, including information for guardians, students, and counselors who want to search the catalog for online courses, instructions for enrolling via the catalog, and companies, districts, or other qualified parties who want to list their online courses in the catalog. Knowledge base articles are routinely audited and updated on an as-needed basis or when new functionality within the system is developed. All knowledge base articles can be accessed through the *Michigan Virtual* website.⁴⁸ *Michigan Virtual's* Customer Care Center is also available on business days from 7:30am - 5:00pm ET to answer calls and respond to online support ticket submissions.

2(b)(xii) Collaborate with key stakeholders to examine district level accountability and teacher effectiveness issues related to virtual learning under section 21f and make findings and recommendations publicly available.

Michigan Virtual continued to use an updated Modified Danielson Rubric for almost 300 evaluations of its full and part-time teachers. Through this process, teachers were provided both the rubric and more personalized narrative feedback to guide their continued growth and improvement. As an organization focused on a growth mindset, *Michigan Virtual* also had individual conversations with each teacher to talk through suggestions, provide additional guidance, and answer any questions they may have. Throughout the year, course “walk-through” reviews were also conducted by department leads and instructional coaches. In addition, a large portion of the instructional staff received midyear evaluation reviews as an opportunity to check on progress and to provide some just-in-time feedback to support their growth in the second half of the school year. The results of these evaluations are submitted through the CEPI REP process twice annually.

In partnership, *Michigan Virtual* with the *Virtual Learning Leadership Alliance* began discussions to develop a multi-state crosswalk document for the Danielson Model Rubric for teacher evaluation and the National Standards for Quality (NSQ) in Online Teaching. This work will continue throughout the 2022-23 school year.

2(b)(xiii) Provide a report on the activities of the Michigan Virtual Learning Research Institute.

The “Research Institute” section of this report provides the required reporting for *MVLR*.

Appendix A - Michigan Virtual Student Enrollment Data

Figure 1. 2021-22 Districts Served by Michigan Virtual with Student Online Courses

LEA Districts (58%):

Adrian Public Schools	Burt Township School District	Edwardsburg Public Schools
Airport Community Schools	Byron Area Schools	Elk Rapids Schools
Allegan Public Schools	Byron Center Public Schools	Engadine Consolidated Schools
Allen Park Public Schools	Cadillac Area Public Schools	Escanaba Area Public Schools
Allendale Public Schools	Caledonia Community Schools	Ewen-Trout Creek Cons. S. D.
Alma Public Schools	Camden-Frontier School	Farmington Public School District
Almont Community Schools	Carney-Nadeau Public Schools	Fennville Public Schools
Alpena Public Schools	Caro Community Schools	Fenton Area Public Schools
Anchor Bay School District	Caseville Public Schools	Flushing Community Schools
Ann Arbor Public Schools	Cass City Public Schools	Forest Area Community Schools
Armada Area Schools	Cedar Springs Public Schools	Forest Hills Public Schools
Au Gres-Sims School District	Centreville Public Schools	Forest Park School District
Bad Axe Public Schools	Charlevoix Public Schools	Fowler Public Schools
Baldwin Community Schools	Charlotte Public Schools	Fowlerville Community Schools
Bath Community Schools	Chassell Township S. D.	Frankenmuth School District
Battle Creek Public Schools	Cheboygan Area Schools	Frankfort-Elberta Area Schools
Bay City School District	Chelsea School District	Freeland Community School D.
Beal City Public Schools	Chesaning Union Schools	Fremont Public School District
Bear Lake Schools	Chippewa Hills School District	Fulton Schools
Beaver Island Community School	Chippewa Valley Schools	Galesburg-Augusta Comm. S.
Beaverton Schools	Clare Public Schools	Gaylord Community Schools
Bellaire Public Schools	Clarkston Community School D.	Gibraltar School District
Bentley Community School D.	Clinton Community Schools	Gladstone Area Schools
Benzie County Central Schools	Clio Area School District	Gladwin Community Schools
Berkley School District	Coloma Community Schools	Gobles Public School District
Berrien Springs Public Schools	Concord Community Schools	Goodrich Area Schools
Big Bay De Noc School District	Constantine Public School D.	Grand Haven Area Public S.
Birch Run Area Schools	Coopersville Area Public S. D.	Grand Ledge Public Schools
Birmingham Public Schools	Crawford AuSable Schools	Grandville Public Schools
Blissfield Community Schools	Crestwood School District	Grass Lake Community Schools
Bloomfield Hills Schools	Davison Community Schools	Greenville Public Schools
Boyer City Public Schools	Dearborn City School District	Grosse Ile Township Schools
Brandon School District in the Counties of Oakland	DeWitt Public Schools	Grosse Pointe Public Schools
Brandywine Community Schools	Dexter Community School D.	Gull Lake Community Schools
Breckenridge Community S.	Dowagiac Union School District	Hamilton Community Schools
Breitung Township School D.	Durand Area Schools	Hanover-Horton School District
Brighton Area Schools	East China School District	Harbor Springs School District
Brimley Area Schools	East Grand Rapids Public S.	Hart Public School District
Brown City Community Schools	East Lansing School District	Hartford Public Schools
Bullock Creek School District	Eastpointe Community Schools	Hartland Consolidated Schools
	Eaton Rapids Public Schools	Haslett Public Schools

Hastings Area School District	Lowell Area Schools	Peck Community School District
Hemlock Public School District	Ludington Area School District	Pennfield Schools
Holland City School District	Mackinac Island Public Schools	Perry Public Schools
Holly Area School District	Mackinaw City Public Schools	Pewamo-Westphalia Comm. S.
Holt Public Schools	Madison S. D. (Lenawee)	Pickford Public Schools
Homer Community School D.	Manchester Community Schools	Pinckney Community Schools
Hopkins Public Schools	Manistee Area Public Schools	Pine River Area Schools
Houghton-Portage Twp. S. D.	Manistique Area Schools	Pittsford Area Schools
Howell Public Schools	Marion Public Schools	Plainwell Community Schools
Hudson Area Schools	Marlette Community Schools	Plymouth-Canton Community S.
Hudsonville Public School D.	Marquette Area Public Schools	Port Huron Area School District
Huron School District	Marshall Public Schools	Portage Public Schools
Huron Valley Schools	Martin Public Schools	Portland Public Schools
Inland Lakes Schools	Marysville Public Schools	Potterville Public Schools
Ionia Public Schools	Mason Public Schools (Ingham)	Public Schools of Petoskey
Iron Mountain Public Schools	Mattawan Consolidated School	Quincy Community Schools
Jackson Public Schools	Memphis Community Schools	Reading Community Schools
Jenison Public Schools	Michigan Center School District	Redford Union Schools, D. No. 1
Johannesburg-Lewiston Area Schools	Midland Public Schools	Reed City Area Public Schools
Jonesville Community Schools	Milan Area Schools	Reese Public Schools
Kalamazoo Public Schools	Millington Community Schools	Reeths-Puffer Schools
Kaleva Norman Dickson S. D.	Monroe Public Schools	Republic-Michigamme Schools
Kalkaska Public Schools	Montabella Community Schools	Richmond Community Schools
Kearsley Community School D.	Montague Area Public Schools	Riverview Community School D.
Kelloggsville Public Schools	Mt. Morris Consolidated Schools	Rochester Community School D.
Kenowa Hills Public Schools	Negaunee Public Schools	Rockford Public Schools
Kent City Community Schools	NICE Community School District	Romeo Community Schools
Kentwood Public Schools	Niles Community Schools	Roscommon Area Public Schools
Laingsburg Community Schools	North Branch Area Schools	Royal Oak Schools
Lake Fenton Community Schools	North Central Area Schools	Rudyard Area Schools
Lake Linden-Hubbell School D.	North Dickinson County Schools	Saginaw, S. D. of the City of
Lake Orion Community Schools	North Muskegon Public Schools	Saline Area Schools
Lake Shore P. S. (Macomb)	Northport Public School District	Sand Creek Community Schools
Lakeshore S. D. (Berrien)	Northview Public Schools	Sandusky Community School D.
Lakeview P. S. (Macomb)	Northville Public Schools	Saranac Community Schools
Lakeview Sch. District (Calhoun)	Novi Community School District	Saugatuck Public Schools
Lakewood Public Schools	Oakridge Public Schools	Sault Ste. Marie Area Schools
L'Anse Area Schools	Okemos Public Schools	Schoolcraft Community Schools
Lansing Public School District	Olivet Community Schools	Shelby Public Schools
Lawton Community School D.	Onaway Area Schools	Shepherd Public Schools
Leland Public School District	Oscoda Area Schools	South Haven Public Schools
Les Cheneaux Community S.	Otsego Public Schools	South Lyon Community Schools
Leslie Public Schools	Ovid-Elsie Area Schools	South Redford School District
Lincoln Consolidated School D.	Owosso Public Schools	Southgate Community School D.
Linden Community Schools	Oxford Community Schools	Sparta Area Schools
Livonia Public Schools School D.	Parchment School District	Spring Lake Public Schools
	Paw Paw Public School District	Springport Public Schools

St. Ignace Area Schools
St. Johns Public Schools
St. Joseph Public Schools
Standish-Sterling Community S.
Stockbridge Community Schools
Sturgis Public Schools
Summerfield Schools
Superior Central School District
Suttons Bay Public Schools
Swan Valley School District
Swartz Creek Community S.
Tahquamenon Area Schools
Tawas Area Schools
Tecumseh Public Schools
Tekonsha Community Schools
Thornapple Kellogg School D.

Three Rivers Community Schools
Traverse City Area Public S.
Trenton Public Schools
Tri County Area Schools
Troy School District
Ubyly Community Schools
Union City Community Schools
Unionville-Sebewaing Area S.D.
Utica Community Schools
Van Buren Public Schools
Vestaburg Community Schools
Vicksburg Community Schools
Walled Lake Consolidated S.
Warren Consolidated Schools
Warren Woods Public Schools
Watervliet School District

Waverly Community Schools
Wayland Union Schools
Wayne-Westland Comm. S. D.
Webberville Community Schools
West Bloomfield School District
West Branch-Rose City Area S.
West Iron County Public Schools
West Ottawa Public School D.
Western School District
Whitehall District Schools
Whitmore Lake Public School D.
Whittemore-Prescott Area S.
Williamston Community Schools
Woodhaven-Brownstown S. D.
Yale Public Schools
Zeeland Public Schools

PSA Districts (11%)

Arbor Preparatory High School
Black River Public School
Blue Water Middle College
Canton Charter Academy
Canton Preparatory High School
Casman Alternative Academy
Chandler Woods Charter Acad.
Charlevoix Montessori Academy
for the Arts
Charyl Stockwell Academy
Concord Academy - Boyne
Concord Academy - Petoskey

Countryside Academy
Cross Creek Charter Academy
DeTour Arts and Tech. Academy
Excel Charter Academy
Flextech High School Shepherd
Gateway To Success Academy
Genesee STEM Academy
Grand River Preparatory H. S.
Great Lakes Learning Academy
Island City Academy
Joseph K. Lumsden Bahweting
Anishnabe Academy

Kensington Woods Schools
LifeTech Academy
Livingston Classical Academy
New School High
Ojibwe Charter School
Pansophia Academy
Vanguard Charter Academy
Wellspring Preparatory H. S.
West Michigan Aviation Acad.
West Village Academy

Nonpublic Schools (5%)

Academy of Sacred Heart
Auburn Hills Christian School
Austin Catholic High School
Cabrini High School
Calvin Christian High School
Cardinal Mooney Catholic S.
Detroit Catholic Central H. S.
Detroit Cristo Rey High School
Divine Child High School
Farber Hebrew Day School -
Yeshivat Akiva
Fr. Gabriel Richard High School
Gaylord St. Mary Cathedral S.
Grand Rapids Christian H. S.

Hackett Catholic Prep
Holland Christian High School
Interlochen Arts Academy
Lansing Catholic Central H. S.
Lansing Christian School
Muskegon Catholic Central
Notre Dame Preparatory School
Nouvel Catholic Central H. S.
Plymouth Christian Academy
Providence Christian School -
Kalamazoo
Regina High School
Sacred Heart Academy
Shrine Catholic H. S. & Academy

South Christian High School
St. Gerard School
St. Germaine Elementary School
St. Mary Catholic School-Sault
Sainte Marie
St. Mary School-Charlotte
St. Mary School-Lake Leelanau
St. Thomas Aquinas School
Traverse City Christian School
Unity Christian High School
Valley Lutheran High School
West Catholic High School

Figure 2. 2021-22 Michigan Virtual ISD, LEA, PSA District and Nonpublic Schools with Student Enrollments

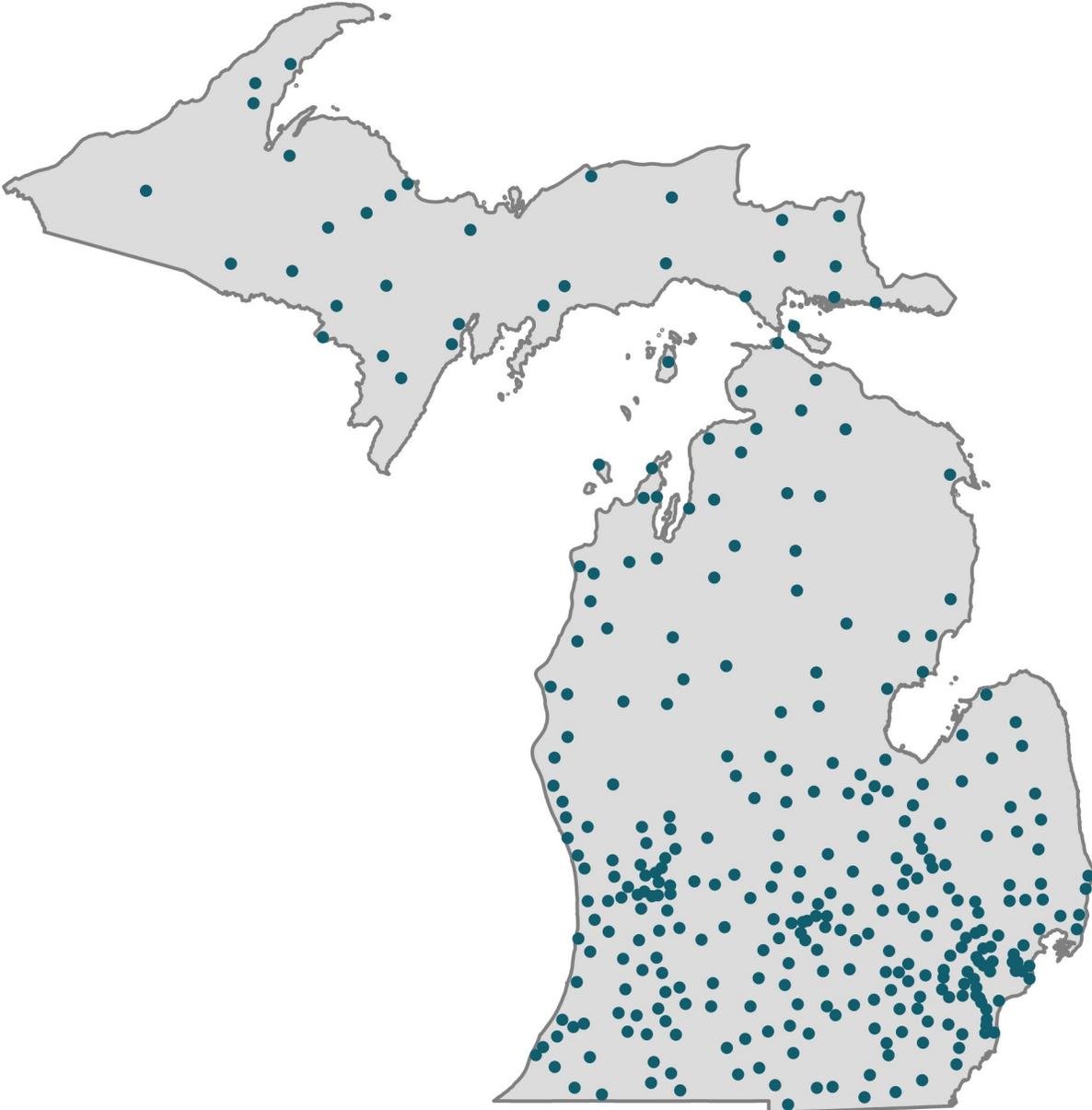


Figure 3. 2021-22 Michigan Virtual Student Courses Offered with Performance Data

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Business & Marketing	Accounting A	223	83%
Business & Marketing	Accounting B	95	86%
Business & Marketing	ACCT 211: Principles of Accounting I	<10	NA
Business & Marketing	BUS 153: Business Law	<10	NA
Business & Marketing	Business Ethics	370	83%
Business & Marketing	Entrepreneurship	341	75%
Business & Marketing	Hospitality and Tourism: Traveling the Globe	180	72%
Business & Marketing	Sports and Entertainment Marketing	366	83%
Communications & Audio/Visual Technology	Journalism (Advanced)	<10	NA
Communications & Audio/Visual Technology	Journalism (Introduction)	169	66%
Computer & Information Sciences	Advanced Programming: Mobile Apps and Game Design	31	58%
Computer & Information Sciences	Advanced Web Design: JavaScript	27	85%
Computer & Information Sciences	AP Computer Science A (Sem 1)	106	92%
Computer & Information Sciences	AP Computer Science A (Sem 2)	93	89%
Computer & Information Sciences	AP Computer Science Principles (Sem 1)	68	93%
Computer & Information Sciences	AP Computer Science Principles (Sem 2)	64	89%
Computer & Information Sciences	Basic Web Design: HTML & CSS	197	64%
Computer & Information Sciences	CCNA 1: Introduction to Networking	10	70%
Computer & Information Sciences	CCNA 2: Routing and Switching Essentials	<10	NA
Computer & Information Sciences	CCNA 3: Enterprise Networking, Security and Automation	<10	NA
Computer & Information Sciences	CIS 110: Foundations of Information Systems	<10	NA
Computer & Information Sciences	Computer Basics (Google Suite)	180	44%
Computer & Information Sciences	Digital Information Technology A	92	68%
Computer & Information Sciences	Digital Information Technology B	42	81%
Computer & Information Sciences	Foundations of Programming A	174	70%
Computer & Information Sciences	Foundations of Programming B	72	96%
Computer & Information Sciences	Introduction to Artificial Intelligence	17	71%
Computer & Information Sciences	Java Programming A	83	64%
Computer & Information Sciences	Java Programming B	25	84%
Computer & Information Sciences	JavaScript Game Design	82	87%
Computer & Information Sciences	Linux Essentials	10	90%
Computer & Information Sciences	Linux Operating System 1	<10	NA
Computer & Information Sciences	Linux Operating System 2	<10	NA
Computer & Information Sciences	Networking and Cybersecurity Essentials	17	71%
Computer & Information Sciences	Procedural Programming	<10	NA

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Computer & Information Sciences	Social Media	396	67%
Engineering & Technology	Bioethics	145	91%
English Language & Literature	American Literature A - English 11-12	470	54%
English Language & Literature	American Literature B - English 11-12	292	73%
English Language & Literature	AP English Language and Composition (Sem 1)	95	83%
English Language & Literature	AP English Language and Composition (Sem 2)	94	81%
English Language & Literature	AP English Literature and Composition (Sem 1)	110	83%
English Language & Literature	AP English Literature and Composition (Sem 2)	80	93%
English Language & Literature	British Literature A - English 11-12	268	66%
English Language & Literature	British Literature B - English 11-12	236	71%
English Language & Literature	Composition	12	50%
English Language & Literature	Composition (Advanced)	<10	NA
English Language & Literature	Composition (Beginning)	158	49%
English Language & Literature	ENG 101: English Composition I	<10	NA
English Language & Literature	ENG 102: English Composition II	<10	NA
English Language & Literature	English 10A	372	37%
English Language & Literature	English 10B	257	54%
English Language & Literature	English 9A	354	27%
English Language & Literature	English 9B	215	45%
English Language & Literature	Essentials H.S. English 1A	119	42%
English Language & Literature	Essentials H.S. English 1B	108	45%
English Language & Literature	Essentials H.S. English 2A	119	42%
English Language & Literature	Essentials H.S. English 2B	100	56%
English Language & Literature	Essentials H.S. English 3A	89	38%
English Language & Literature	Essentials H.S. English 3B	83	52%
English Language & Literature	Essentials H.S. English 4A	74	50%
English Language & Literature	Essentials H.S. English 4B	39	64%
English Language & Literature	Language Arts A (6th Grade)	31	45%
English Language & Literature	Language Arts A (7th Grade)	122	24%
English Language & Literature	Language Arts A (8th Grade)	134	30%
English Language & Literature	Language Arts B (6th Grade)	44	34%
English Language & Literature	Language Arts B (7th Grade)	73	41%
English Language & Literature	Language Arts B (8th Grade)	101	38%
English Language & Literature	Mythology and Folklore: Legendary Tales	455	75%
English Language & Literature	World Literature	89	78%
Fine & Performing Arts	AP Art History (Sem 1)	33	85%
Fine & Performing Arts	AP Art History (Sem 2)	24	88%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Fine & Performing Arts	ART 120: Art Appreciation	<10	NA
Fine & Performing Arts	Digital Photography	267	76%
Fine & Performing Arts	Film Studies: American Film Survey	301	85%
Fine & Performing Arts	Guitar 1A	132	69%
Fine & Performing Arts	Guitar 1B	35	83%
Fine & Performing Arts	Guitar 2A	12	92%
Fine & Performing Arts	Guitar 2B	<10	NA
Fine & Performing Arts	Middle School Digital Art and Design	<10	NA
Fine & Performing Arts	Music Appreciation Odyssey	197	60%
Fine & Performing Arts	Visual Art Comprehension I	328	55%
Health Care Sciences	HE 102: Medical Terminology	<10	NA
Human Services	Character Education	167	28%
Human Services	Future Proud Michigan Educator	54	65%
Life & Physical Sciences	Anatomy and Physiology A	306	79%
Life & Physical Sciences	Anatomy and Physiology B	145	90%
Life & Physical Sciences	AP Biology (Sem 1)	81	77%
Life & Physical Sciences	AP Biology (Sem 2)	66	94%
Life & Physical Sciences	AP Chemistry (Sem 1)	42	67%
Life & Physical Sciences	AP Chemistry (Sem 2)	25	88%
Life & Physical Sciences	AP Environmental Science (Sem 1)	96	91%
Life & Physical Sciences	AP Environmental Science (Sem 2)	75	99%
Life & Physical Sciences	AP Physics 1 (Sem 1)	99	76%
Life & Physical Sciences	AP Physics 1 (Sem 2)	53	87%
Life & Physical Sciences	AP Physics 2 (Sem 1)	20	95%
Life & Physical Sciences	AP Physics 2 (Sem 2)	18	100%
Life & Physical Sciences	AP Physics C (Sem 1)	40	85%
Life & Physical Sciences	AP Physics C (Sem 2)	36	92%
Life & Physical Sciences	Astronomy	391	77%
Life & Physical Sciences	Biology A	400	51%
Life & Physical Sciences	Biology B	261	66%
Life & Physical Sciences	Chemistry A	449	31%
Life & Physical Sciences	Chemistry B	232	56%
Life & Physical Sciences	Earth Science A	353	29%
Life & Physical Sciences	Earth Science B	121	49%
Life & Physical Sciences	Environmental Science A	175	53%
Life & Physical Sciences	Environmental Science B	53	53%
Life & Physical Sciences	Essentials Biology A	86	48%
Life & Physical Sciences	Essentials Biology B	68	54%
Life & Physical Sciences	Essentials Chemistry A	97	43%
Life & Physical Sciences	Essentials Chemistry B	77	58%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Life & Physical Sciences	Medical Terminology	469	87%
Life & Physical Sciences	Oceanography A	191	78%
Life & Physical Sciences	Oceanography B	74	89%
Life & Physical Sciences	Physical Science A	221	40%
Life & Physical Sciences	Physical Science B	145	68%
Life & Physical Sciences	Physics A	286	60%
Life & Physical Sciences	Physics B	174	67%
Life & Physical Sciences	Science A (6th Grade)	54	41%
Life & Physical Sciences	Science A (7th Grade)	133	25%
Life & Physical Sciences	Science A (8th Grade)	143	32%
Life & Physical Sciences	Science B (6th Grade)	45	40%
Life & Physical Sciences	Science B (7th Grade)	75	48%
Life & Physical Sciences	Science B (8th Grade)	97	39%
Life & Physical Sciences	Veterinary Science: The Care of Animals	303	89%
Mathematics	Algebra 1A	582	26%
Mathematics	Algebra 1B	508	42%
Mathematics	Algebra 2A	452	58%
Mathematics	Algebra 2B	403	59%
Mathematics	AP Calculus AB (Sem 1)	70	81%
Mathematics	AP Calculus AB (Sem 2)	51	96%
Mathematics	AP Calculus BC (Sem 1)	67	78%
Mathematics	AP Calculus BC (Sem 2)	44	89%
Mathematics	AP Statistics (Sem 1)	111	92%
Mathematics	AP Statistics (Sem 2)	98	90%
Mathematics	Calculus A	36	81%
Mathematics	Calculus B	21	76%
Mathematics	Essentials Algebra 1A	157	34%
Mathematics	Essentials Algebra 1B	144	38%
Mathematics	Essentials Algebra 2A	140	64%
Mathematics	Essentials Algebra 2B	103	63%
Mathematics	Essentials Geometry A	125	46%
Mathematics	Essentials Geometry B	117	52%
Mathematics	Geometry A	379	58%
Mathematics	Geometry B	297	68%
Mathematics	Mathematics A (6th Grade)	37	43%
Mathematics	Mathematics A (7th Grade)	122	25%
Mathematics	Mathematics A (8th Grade Pre-Algebra)	131	30%
Mathematics	Mathematics B (6th Grade)	46	35%
Mathematics	Mathematics B (7th Grade)	74	41%
Mathematics	Mathematics B (8th Grade Pre-Algebra)	101	37%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Mathematics	Mathematics in the Workplace	379	72%
Mathematics	Mathematics of Baseball	101	94%
Mathematics	Mathematics of Personal Finance	619	78%
Mathematics	MTH 113: Pre-Calculus	<10	NA
Mathematics	MTH 120: Introduction to Statistics	<10	NA
Mathematics	PreCalculus A: Algebra Review & Trigonometry	225	76%
Mathematics	PreCalculus B: Functions & Graphical Analysis	176	80%
Mathematics	Probability and Statistics	162	80%
Miscellaneous	Career Planning	665	78%
Miscellaneous	Careers - Find Your Future	619	53%
Miscellaneous	Employability Skills	423	69%
Miscellaneous	Leadership Skills Development	139	67%
Miscellaneous	Leadership Skills Development A (Grades 6-8)	136	37%
Miscellaneous	Leadership Skills Development B (Grades 6-8)	85	46%
Miscellaneous	Study Skills	890	45%
Physical, Health, & Safety Education	Health Education	931	66%
Physical, Health, & Safety Education	Health Education (Abstinence Only)	165	82%
Physical, Health, & Safety Education	Personal Fitness	919	67%
Public, Protective, & Government Service	CJ 101: Introduction to Criminal Justice	<10	NA
Public, Protective, & Government Service	Forensic Science	384	66%
Religious Education & Theology	World Religions: Exploring Diversity	115	83%
Social Sciences & History	African American History	101	67%
Social Sciences & History	Anthropology I: Uncovering Human Mysteries	84	76%
Social Sciences & History	AP Human Geography (Sem 1)	30	87%
Social Sciences & History	AP Human Geography (Sem 2)	27	93%
Social Sciences & History	AP Macroeconomics	165	88%
Social Sciences & History	AP Microeconomics	141	95%
Social Sciences & History	AP Psychology (Sem 1)	262	87%
Social Sciences & History	AP Psychology (Sem 2)	212	94%
Social Sciences & History	AP U.S. Government and Politics	145	81%
Social Sciences & History	AP U.S. History (Sem 1)	96	76%
Social Sciences & History	AP U.S. History (Sem 2)	89	72%
Social Sciences & History	AP World History: Modern (Sem 1)	62	74%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Social Sciences & History	AP World History: Modern (Sem 2)	47	91%
Social Sciences & History	Archaeology: Detectives of the Past	55	85%
Social Sciences & History	Civics	773	79%
Social Sciences & History	Criminology	627	77%
Social Sciences & History	Economics	692	77%
Social Sciences & History	Economics of Personal Finance	147	86%
Social Sciences & History	Essentials Economics	64	48%
Social Sciences & History	Essentials U.S. Government	95	48%
Social Sciences & History	Essentials U.S. History A	103	51%
Social Sciences & History	Essentials U.S. History B	69	55%
Social Sciences & History	Essentials World History A	88	50%
Social Sciences & History	Essentials World History B	69	59%
Social Sciences & History	HIS 101: History of Western Civilization to 1715	<10	NA
Social Sciences & History	Middle School U.S. History A	150	35%
Social Sciences & History	Middle School U.S. History B	118	48%
Social Sciences & History	Middle School World History A	131	25%
Social Sciences & History	Middle School World History B	76	38%
Social Sciences & History	Native American History	93	76%
Social Sciences & History	Philosophy: The Big Picture	122	84%
Social Sciences & History	PSY 180: Introduction to Psychology	<10	NA
Social Sciences & History	PSY 230: Psychology of Effective Leadership and Supervision	<10	NA
Social Sciences & History	PSY 260: Abnormal Psychology	<10	NA
Social Sciences & History	Psychology	371	79%
Social Sciences & History	SOC 101: Principles of Sociology	<10	NA
Social Sciences & History	Sociology I: Introduction to Sociology	260	74%
Social Sciences & History	Sociology II: Social Problems	33	82%
Social Sciences & History	U.S. History and Geography A	450	44%
Social Sciences & History	U.S. History and Geography B	361	59%
Social Sciences & History	World History and Geography A	546	51%
Social Sciences & History	World History and Geography B	452	63%
World Languages	American Sign Language 1A	1,515	65%
World Languages	American Sign Language 1B	858	85%
World Languages	American Sign Language 2A	411	86%
World Languages	American Sign Language 2B	363	86%
World Languages	AP Chinese (Sem 1)	25	92%
World Languages	AP Chinese (Sem 2)	26	92%
World Languages	AP French (Sem 1)	21	62%
World Languages	AP French (Sem 2)	13	85%

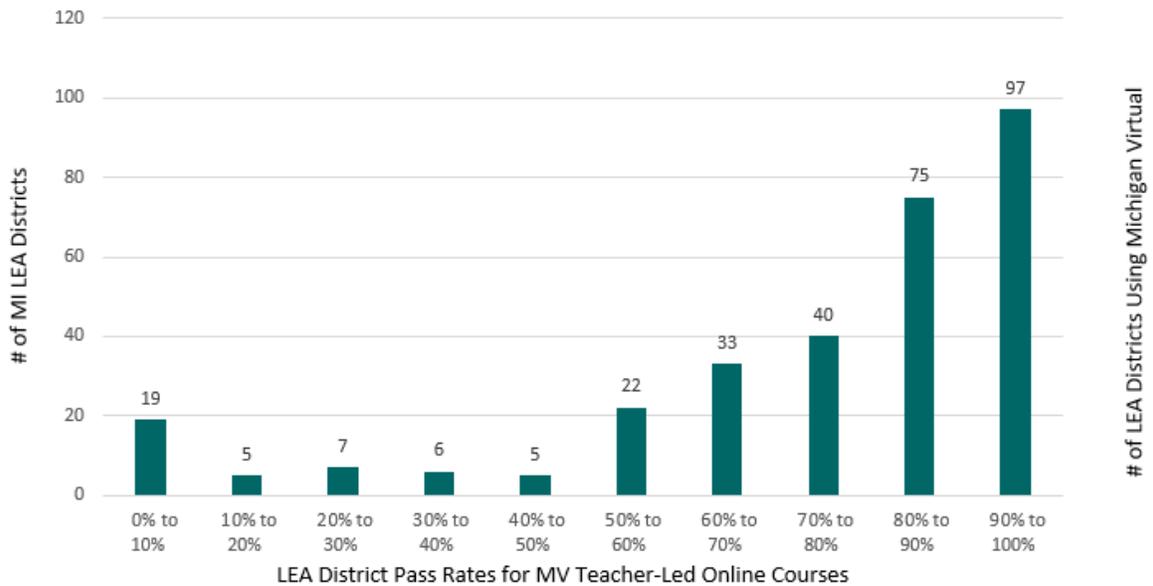
NCES Subject Area	Course Name	Enroll Count	Pass Rate
World Languages	AP Spanish (Sem 1)	52	77%
World Languages	AP Spanish (Sem 2)	41	93%
World Languages	Chinese 1A	42	79%
World Languages	Chinese 1B	31	87%
World Languages	Chinese 2A	34	76%
World Languages	Chinese 2B	35	86%
World Languages	Chinese 3A	29	83%
World Languages	Chinese 3B	22	95%
World Languages	Chinese 4A	20	90%
World Languages	Chinese 4B	20	95%
World Languages	French 1A	293	55%
World Languages	French 1A (Grades 6-8)	55	9%
World Languages	French 1B	136	81%
World Languages	French 1B (Grades 6-8)	<10	NA
World Languages	French 2A	177	75%
World Languages	French 2A (Grades 6-8)	<10	NA
World Languages	French 2B	137	93%
World Languages	French 3A	50	56%
World Languages	French 3B	27	70%
World Languages	German 1A	224	56%
World Languages	German 1A (Grades 6-8)	17	59%
World Languages	German 1B	105	84%
World Languages	German 1B (Grades 6-8)	11	73%
World Languages	German 2A	129	78%
World Languages	German 2B	98	91%
World Languages	Japanese 1A	296	75%
World Languages	Japanese 1B	179	87%
World Languages	Japanese 2A	91	80%
World Languages	Japanese 2B	71	97%
World Languages	Latin 1A	73	74%
World Languages	Latin 1B	48	79%
World Languages	Latin 2A	26	88%
World Languages	Latin 2B	29	97%
World Languages	Spanish 1A	524	33%
World Languages	Spanish 1A (Grades 6-8)	232	32%
World Languages	Spanish 1B	316	53%
World Languages	Spanish 1B (Grades 6-8)	43	49%
World Languages	Spanish 2A	380	52%
World Languages	Spanish 2A (Grades 6-8)	<10	NA
World Languages	Spanish 2B	276	63%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
World Languages	Spanish 2B (Grades 6-8)	<10	NA
World Languages	Spanish 3A	151	73%
World Languages	Spanish 3B	105	80%
World Languages	Spanish 4A	70	77%
World Languages	Spanish 4B	39	92%

Figure 4. 2021-22 Michigan Virtual Student Performance Data by NCES Subject Area

NCES Subject Area	Attempted Count	Withdrawn	Completed/Failed	MV Pass Rate
Business & Marketing	1,575	2%	18%	80%
Communications & Audio/Visual Technology	177	6%	29%	66%
Computer & Information Sciences	1,802	4%	24%	72%
Engineering & Technology	145	1%	8%	91%
English Language & Literature	4,798	7%	38%	54%
Fine & Performing Arts	1,337	5%	25%	71%
Health Care Sciences	469	1%	11%	87%
Human Services	221	17%	46%	37%
Life & Physical Sciences	5,806	7%	33%	60%
Mathematics	6,078	7%	34%	59%
Miscellaneous	2,957	6%	36%	58%
Physical, Health, & Safety Education	2,015	5%	27%	68%
Public, Protective, & Government Service	384	5%	29%	66%
Religious Education & Theology	115	2%	15%	83%
Social Sciences & History	7,406	5%	26%	69%
World Languages	7,982	5%	26%	69%

Figure 5. 2021-22 Michigan Virtual Teacher-Led Student Performance Data by LEA District



Appendix B - Michigan Virtual Professional Enrollment Data

Figure 6. 2021-22 Michigan Virtual Professional Learning Courses

Course Name	Enroll Count
#GoOpen: Open Educational Resources in Michigan	2,915
5D+ Indicators of High-Quality Instruction	42
5D/D+ Assessment for Student Learning	38
5D/D+ Classroom Environment & Culture	37
5D/D+ Curriculum & Pedagogy	37
5D/D+ Professional Collaboration & Communication	14
5D/D+ Purpose	22
5D/D+ Student Engagement	26
A to Z Grant Writing	43
Achieving Success with Difficult People	82
Adolescent Suicide Prevention: Best Practices – A Team Approach	1,647
Adolescent Suicide Prevention: Information for the General Public	258
Adolescent Suicide Prevention: Intervention & School Policies	1,459
Adolescent Suicide Prevention: Peer to Peer Support	752
Advanced Grant Proposal Writing	<10
Advanced Microsoft Excel 2019/Office 365	<10
Anti-Racism and Social Justice Teaching and Leadership	681
Anti-Racist Trauma-Informed Practice in Pre K-12 Education	2,265
Applied Behavior Analysis in Schools	1,584
Assessments in the Blended Classroom	40
Basic First Aid	1,747
Being a Reflective Teacher During a Pandemic	2,114
Blended Classroom Design	22
Blockchain Fundamentals	<10
Bloodborne Pathogens	11,822
Building Teams That Work	28
Career Counseling: Building a Resume	352
Certificate in Healing Environments for Body, Mind, and Spirit	18
Certificate in Meditation	<10
Certificate in Mindful Relationships	60
Certificate in Mindfulness	<10
Certificate in Nutrition, Chronic Disease, and Health Promotion	18
Certificate in Stress Management	14
Changing Minds to Address Poverty - Achievement Mindset	191
Changing Minds to Address Poverty - Engagement Mindset	156
Changing Minds to Address Poverty - Enrichment Mindset	142
Changing Minds to Address Poverty - Mindsets Matter (Introduction)	156

Course Name	Enroll Count
Changing Minds to Address Poverty - Positivity Mindset	150
Changing Minds to Address Poverty - Relational Mindset	125
Changing Minds to Address Poverty in the Classroom	2,133
Changing Minds to Address Poverty in the Classroom - Graduation Mindset	211
Changing Minds to Address Poverty in the Classroom - Rich Classroom Climate Mindset	121
College Counseling: Building a College List	314
College Counseling: Developing College Counseling Curriculum	199
College Counseling: Effective Meetings with Juniors	210
College Counseling: Relationships with Admissions Officers	174
College Counseling: Start Early with 9-10 Graders	232
College Counseling: The College Selection Process	225
College Counseling: Writing Effective Counselor Letters	183
Conflict Resolution Strategies	471
Coronavirus (COVID-19) Prevention in the Workplace	413
Coronavirus Prevention Course	284
CPR Refresher	959
Creating Classroom Centers	55
Curriculum Leadership Institute - Phase I	13
Designing Online Success for Special Populations	<10
Differentiated Instruction: Maximizing Learning for All	2,606
Digital Content in the Blended Classroom	19
Digital Content in the Blended Classroom (OLD)	11
Discipline Protections for Students with a Disability	1,761
Discover Sign Language	51
Discrimination in the Workplace	293
Diversity in the Workplace	325
DLN: A Practical Approach to Working with NWEA Data	31
DLN: A Teacher's Guide to Khan Academy	22
DLN: Administrator Simulator - Staff Accountability	<10
DLN: Administrator Simulator - Student Discipline	<10
DLN: Creating a Data Driven Culture	10
DLN: Curriculum & Instruction Alignment	<10
DLN: Disciplinary Literacy for Secondary Leaders	63
DLN: Disciplinary Literacy for Secondary Leaders with Action Plan	13
DLN: Disciplinary Literacy for Secondary Leaders with Coaching	<10
DLN: Foundations of Restorative Practices & Circles	56
DLN: Getting to Know the SAT Suite of Assessments	13
DLN: Implementing Official SAT Practice on Khan Academy in Your School	17
DLN: Instructional Supervision in a Remote Environment	<10
DLN: Leading Collaborative Meetings in a Virtual World	<10

Course Name	Enroll Count
DLN: Observation & Feedback	<10
DLN: Project Gameplan - Keeping Compliant Scenarios	<10
DLN: School Culture: Creating an Inclusive Learning Environment	<10
DLN: School Improvement	<10
DLN: School Law 101: What Principals Must Know	14
DLN: School Safety Best Practices	<10
DLN: Strategies for Using SAT Suite Data in Schools	638
DLN: Student Mental Health 101	54
DLN: Trauma Informed Schools: A Whole School Approach	168
DLN: Understanding Human Behavior Through Restorative Practices	16
DLN: Using AP Potential for Opportunity and Access	549
DLN: Using Surveys For Feedback	<10
Early Literacy Coaches Online Community	<10
Early Literacy Resources	265
Educator Evaluation in MI: Evidence of Reflective Practice	652
Educator Evaluation in MI: Measurement of Student Growth	823
Educator Evaluation in MI: Preparing for Formative Review	501
Educator Evaluation in MI: Preparing for Summative Evaluation	479
Educator Evaluation in MI: Unpacking the Framework	449
Educator Evaluation: Self-Assessment and Goal Setting	725
Effective Feedback in a Virtual Setting	975
Emergency Action Plans for Office Employees	<10
Emergency Response	<10
Empowering Students With Disabilities	55
Enhancing Language Development in Childhood	38
Equity in Online Learning for Multilingual Students	720
Essential Instructional Practices in Early Literacy: K-3 Essential 1	1,794
Essential Instructional Practices in Early Literacy: K-3 Essential 10	909
Essential Instructional Practices in Early Literacy: K-3 Essential 2	1,370
Essential Instructional Practices in Early Literacy: K-3 Essential 3	1,699
Essential Instructional Practices in Early Literacy: K-3 Essential 4	1,317
Essential Instructional Practices in Early Literacy: K-3 Essential 5	1,365
Essential Instructional Practices in Early Literacy: K-3 Essential 6	1,284
Essential Instructional Practices in Early Literacy: K-3 Essential 7	960
Essential Instructional Practices in Early Literacy: K-3 Essential 8	833
Essential Instructional Practices in Early Literacy: K-3 Essential 9	833
Essential Instructional Practices in Early Literacy: Pre-K Essential 1	1,214
Essential Instructional Practices in Early Literacy: Pre-K Essential 10	711
Essential Instructional Practices in Early Literacy: Pre-K Essential 2	723
Essential Instructional Practices in Early Literacy: Pre-K Essential 3	664

Course Name	Enroll Count
Essential Instructional Practices in Early Literacy: Pre-K Essential 4	625
Essential Instructional Practices in Early Literacy: Pre-K Essential 5	630
Essential Instructional Practices in Early Literacy: Pre-K Essential 6	596
Essential Instructional Practices in Early Literacy: Pre-K Essential 7	559
Essential Instructional Practices in Early Literacy: Pre-K Essential 8	560
Essential Instructional Practices in Early Literacy: Pre-K Essential 9	544
Essential Instructional Practices in Early Literacy: School-wide and Center-wide Practices	694
Exploring and Understanding Learner Agency	869
Family-School Partnerships for Students with Disabilities	1,175
FERPA – Family Educational Rights and Privacy Act	862
Fire Safety	25
Flu Symptoms and Prevention Strategies	117
Food Safety	170
Fostering Student Agency Through Positive Relationships	22
Fundamentals of Supervision and Management	<10
General Safety Orientation	<10
Get Assertive!	23
Get Grants!	13
GLPS: Tech Use Strategies for Supporting Distance Learning	<10
Grammar Refresher	50
Grammar Refresher II	12
Guided Reading and Writing: Strategies for Maximum Student Achievement	19
Guided Reading: Strategies for the Differentiated Classroom	63
Hazard Communication	30
HIPAA Compliance Training	522
How can PBL Help Elementary Students “Figure Out” Science?	478
How can PBL Help Secondary Students “Figure Out” Science?	298
Human Anatomy and Physiology	<10
Human Anatomy and Physiology II	19
IEP Boot Camp: Writing Meaningful and Compliant IEPs	426
Individual Excellence	11
Inquiry Based Learning in Secondary Mathematics Education	474
Inquiry-Based Learning in Secondary Science Education	370
Instructional Practices with Technology	13
Instructional Practices with Technology 101	<10
Integrating SEL into an MTSS Framework Micro-Credential	355
Integrating Technology in the Classroom	22
Intermediate Microsoft Excel 2019/Office 365	<10
Interpersonal Communication	15
Intro to CEL's 5D/5D+ Teacher Evaluation System	562

Course Name	Enroll Count
Intro to Computer Science for High School Educators	154
Intro to Computer Science for Middle School Educators	225
Intro to Computer Science Standards for K-5 Educators	298
Intro to Online Course Facilitation, 6-12	<10
Intro to Online Course Facilitation: Practical Knowledge	449
Introduction to Artificial Intelligence	<10
Introduction to Blended Learning for School Leaders	318
Introduction to Database Development	<10
Introduction to Google Analytics	<10
Introduction to Java Programming	<10
Introduction to Microsoft Excel 2013	<10
Introduction to Microsoft Excel 2019	<10
Introduction to Microsoft Word 2013	<10
Introduction to OSHA	<10
Introduction to Phenomenal Science	468
Introduction to Programming	<10
Introduction to Python	<10
Introduction to Windows 10	<10
ISD Led Monitoring for SPP APR Indicators B-4, B-9, and B-10	160
Keys to Effective Communication	14
Leadership	10
MAC: Assessment Systems That Support 21st Century Learners	<10
MAC: Developing a High Quality Balanced Assessment System	<10
MAC: Developing Appropriate Assessments	<10
MAC: Making Meaning from Student Assessments	<10
MAC: Selecting Appropriate Assessments	<10
MAC: Understanding the Formative Assessment Process	34
MASA Communications: Communications Law	<10
Mastering Public Speaking	<10
MDE Assessment Security	21,909
MDE Facilitating Future Proud Michigan Educator: Explore	297
MDE: Introduction to Data Use & Action Process	466
MEMSPA: Braiding MTSS & SEL	<10
MEMSPA: Comprehensive Needs Assessment	<10
MEMSPA: Comprehensive Staff Well-Being	<10
MEMSPA: Developing Your Personal Mission	<10
MEMSPA: Embedding SEL Schoolwide	<10
MEMSPA: Leadership & Literacy Part 1 - Action Plan	<10
MEMSPA: Module 1 - Supporting Improvement with Systems	<10
MEMSPA: School Vision for Learning	<10

Course Name	Enroll Count
MEMSPA: SEL & Family Engagement	<10
MEMSPA: SEL & Whole Child	<10
MEMSPA: Understanding Your Title I Part A Program	<10
MEMSPA: Understanding Your Title II, Part A Program	<10
MEMSPA: Understanding Your Title IV, Part A Program	<10
MI-Access Training: Participation and Scoring Administration	569
Michigan Learning Channel: A Free Tool for Summer Learning	520
Michigan Virtual Special Education Support	101
Micro-Credential 1: Phonemic Awareness	28
Micro-Credential 2: English Code Complexities	23
Micro-Credential 3: Decode and Encode Through Sound Boxes	23
Music Made Easy	14
MyPD - 10 SCECHs	16
MyPD - 6 SCECHs	<10
Office Safety	<10
Online Lessons with Littles: An Overview	507
Online Lessons with Littles: Engagement	295
Online Lessons with Littles: Planning	403
Online National Standards 1: Getting Started	257
Online National Standards 2: Course Content & Design	197
Online National Standards 3: Assessment	182
Online National Standards 4: Meeting Needs	236
Online Teacher's Guide: Announcements	296
Online Teacher's Guide: Discussions	307
Online Teacher's Guide: Engagement	402
Personal Finance	16
Personal Protective Equipment	23
Podcast PD: Google Forms, Failure-Free Failing and CBE	15
Podcast PD: Growing Student Agency and Implementing Google Classroom	25
Podcast PD: Screencasting, the Future of Education	14
PTL: Application	253
PTL: Module 1	210
PTL: Module 2	195
PTL: Module 3	201
PTL: Module 4	88
PTL: Module 5	192
PTL: Module 6	169
PTL: Module 7	200
PTL: Module 8	170
PTL: Orientation	291

Course Name	Enroll Count
Reaching Your Potential through Self-Advocacy	<10
Response to Intervention: Reading Strategies That Work	19
Responsive Web Design	<10
Run, Hide, Fight	735
Seclusion and Restraint	1,938
Sexual Harassment and Discrimination for Employees	924
Singapore Math Strategies: Model Drawing for Grades 1-6	21
So You Want to be an Instructional Designer?	64
Social Intervention for Elementary Students with ASD	602
Social-Emotional Learning: Adult SEL and Self-Care	2,397
Social-Emotional Learning: Assessment Mechanisms	970
Social-Emotional Learning: Creating a Professional Culture Based on SEL	1,330
Social-Emotional Learning: Embedding SEL Schoolwide	1,203
Social-Emotional Learning: Equity Elaborations	1,019
Social-Emotional Learning: Integrating SEL Into Culturally Responsive Classrooms	1,542
Social-Emotional Learning: Integrating SEL within MTSS	1,351
Social-Emotional Learning: Introduction to SEL	3,071
Social-Emotional Learning: Trauma-Informed Support	1,769
Solving Classroom Discipline Problems	123
Solving Classroom Discipline Problems II	27
Spanish in the Classroom	24
Speed Spanish	43
Speed Spanish II	14
Speed Spanish III	<10
STEM.org Online Certification	<10
Supporting All Students' Executive Functioning Skills	31
Survival Kit for New Teachers	30
Take Care of Yourself: A Course in Well-Being and Self-Care	3,049
Teacher+ Classroom Environment & Culture	13
Teacher+: Assessment for Student Learning (Self-Paced)	<10
Teacher+: Classroom Environment & Culture (Self-Paced)	13
Teacher+: Culturally Responsive Classrooms (Self-Paced)	<10
Teacher+: Purposeful Teaching & Learning (Self-Paced)	<10
Teacher+: Student Engagement & Ownership (Self-Paced)	<10
Teaching Adult Learners	10
Teaching Preschool: A Year of Inspiring Lessons	19
Teaching Students With ADHD	92
Teaching Students With Autism: Strategies for Success	31
Teaching Transitioning Skills to Students with Disabilities	632
The Creative Classroom	28

Course Name	Enroll Count
Title IX/Sexual Misconduct at Educational Facilities	517
TRAILS Social and Emotional Learning (SEL) Curriculum	15
Transitioning to Remote Teaching 1: Getting Started	385
Transitioning to Remote Teaching 2: Communication Online	321
Transitioning to Remote Teaching 3: Digital Content	336
Transitioning to Remote Teaching 4: Digital Assessment	318
Transitioning to Remote Teaching 5: Adapting to Meet Needs	297
Transitioning to Remote Teaching 6: SEL Supports	343
Transitioning to Remote Teaching: Advanced Placement Edition	273
Understanding Adolescents	54
Understanding the Modern Military	380
Violence in the Workplace	153
Whole Child & Continuous Improvement: A Deeper Understanding (MI Only)	639

Figure 7. 2021-22 Districts Served by Michigan Virtual with Professional Learning

ISDs (100%)

Allegan Area ESA	Gogebic-Ontonagon ISD	Midland County ESA
Alpena-Mont.-Alcona ESD	Gratiot-Isabella RESD	Monroe ISD
Barry ISD	Heritage SW ISD	Montcalm Area ISD
Bay-Arenac ISD	Hillsdale ISD	Muskegon Area ISD
Berrien RESA	Huron ISD	Newaygo County RESA
Branch ISD	Ingham ISD	Northwest Ed. Services
C.O.O.R. ISD	Ionia ISD	Oakland Schools
Calhoun ISD	Iosco RESA	Ottawa Area ISD
Charlevoix-Emmet ISD	Jackson ISD	Saginaw ISD
Cheb-Otsego-Presque Isle ESD	Kalamazoo RESA	Sanilac ISD
Clare-Gladwin RESD	Kent ISD	Shiawassee Regional ESD
Clinton County RESA	Lapeer ISD	St. Clair County RESA
Copper Country ISD	Lenawee ISD	St. Joseph County ISD
Delta-Schoolcraft ISD	Livingston ESA	Tuscola ISD
Dickinson-Iron ISD	Macomb ISD	Van Buren ISD
Eastern Upper Peninsula ISD	Manistee ISD	Washtenaw ISD
Eaton RESA	Marquette-Alger RESA	Wayne RESA
Genesee ISD	Mecosta-Osceola ISD	West Shore ESD
	Menominee ISD	Wexford-Missaukee ISD

LEA Districts (97%)

Adams Twp. S.D.	Ashley Comm. Schools	Bedford Public Schools
Addison Comm. Schools	Athens Area Schools	Beecher Comm. S.D.
Adrian Public Schools	Atherton Comm. Schools	Belding Area S.D.
Airport Comm. Schools	Atlanta Comm. Schools	Bellaire Public Schools
Akron-Fairgrove Schools	Au Gres-Sims S.D.	Bellevue Comm. Schools
Alanson Public Schools	Avondale S.D.	Bendle Public Schools
Alba Public Schools	Bad Axe Public Schools	Bentley Comm. S.D.
Albion Public Schools	Baldwin Comm. Schools	Benton Harbor Area Schools
Alcona Comm. Schools	Bangor Public Schools (Van Buren)	Benzie County Central S.
Algonac Comm. S.D.	Bangor Twp. S/D #8	Berkley S.D.
Allegan Public Schools	Bangor Twp. Schools	Berrien Springs Public S.
Allen Park Public Schools	Baraga Area Schools	Bessemer Area S.D.
Allendale Public Schools	Bark River-Harris S.D.	Big Bay De Noc S.D.
Alma Public Schools	Bath Comm. Schools	Big Jackson S.D.
Almont Comm. Schools	Battle Creek Public Schools	Big Rapids Public Schools
Alpena Public Schools	Bay City S.D.	Birch Run Area Schools
Anchor Bay S.D.	Beal City Public Schools	Birmingham Public Schools
Ann Arbor Public Schools	Bear Lake Schools	Blissfield Comm. Schools
Arenac Eastern S.D.	Beaver Island Comm. School	Bloomfield Hills Schools
Armada Area Schools	Beaverton Schools	Bloomington Public S.D.
Arvon Twp. S.D.		Boyne City Public Schools

Boyne Falls Public S.D.
Brandon S.D. in the Counties
of Oakland and Lapeer
Brandywine Comm. Schools
Breckenridge Comm. Schools
Breitung Twp. S.D.
Bridgeport-Spaulding Comm.
S.D.
Bridgman Public Schools
Brighton Area Schools
Britton Deerfield Schools
Bronson Comm. S.D.
Brown City Comm. Schools
Buchanan Comm. Schools
Buckley Comm. Schools
Bullock Creek S.D.
Burr Oak Comm. S.D.
Burt Twp. S.D.
Byron Area Schools
Byron Center Public Schools
Cadillac Area Public Schools
Caledonia Comm. Schools
Camden-Frontier School
Capac Comm. Schools
Carman-Ainsworth Comm. S.
Carney-Nadeau Public S.
Caro Comm. Schools
Carrollton Public Schools
Carson City-Crystal Area S.
Carsonville-Port Sanilac S.D.
Caseville Public Schools
Cass City Public Schools
Cassopolis Public Schools
Cedar Springs Public Schools
Center Line Public Schools
Central Lake Public Schools
Central Montcalm Public S.
Centreville Public Schools
Charlevoix Public Schools
Charlotte Public Schools
Chassell Twp. S.D.
Cheboygan Area Schools
Chelsea S.D.
Chesaning Union Schools
Chippewa Hills S.D.
Chippewa Valley Schools
Church S.D.

Clare Public Schools
Clarenceville S.D.
Clarkston Comm. S.D.
Clawson Public Schools
Climax-Scotts Comm. S.
Clinton Comm. Schools
Clintondale Comm. Schools
Clio Area S.D.
Coldwater Comm. Schools
Coleman Comm. Schools
Colfax Twp. S/D #1F
Coloma Comm. Schools
Colon Comm. S.D.
Columbia S.D.
Comstock Park Public S.
Comstock Public Schools
Concord Comm. Schools
Constantine Public S.D.
Coopersville Area Public S.D.
Corunna Public Schools
Covert Public Schools
Crawford AuSable Schools
Crestwood S.D.
Croswell-Lexington Comm. S.
Dansville Schools
Davison Comm. Schools
Dearborn City S.D.
Dearborn Heights S.D. #7
Decatur Public Schools
Deckerville Comm. S.D.
Delton Kellogg Schools
DeTour Area Schools
Detroit City S.D.
Detroit Public Schools
Comm. District
DeWitt Public Schools
Dexter Comm. S.D.
Dollar Bay-Tamarack City
Area K-12 School
Dowagiac Union S.D.
Dryden Comm. Schools
Dundee Comm. Schools
Durand Area Schools
East China S.D.
East Grand Rapids Public S.
East Jackson Comm. S.
East Jordan Public Schools

East Lansing S.D.
Eastpointe Comm. Schools
Eaton Rapids Public Schools
Eau Claire Public Schools
Ecorse Public Schools
Edwardsburg Public Schools
Elk Rapids Schools
Elkton-Pigeon-Bay Port Laker
Schools
Ellsworth Comm. School
Engadine Consolidated S.
Essexville-Hampton Public S.
Ewart Public Schools
Ewen-Trout Creek Cons. S.D.
Fairview Area S.D.
Farmington Public S.D.
Farwell Area Schools
Fennville Public Schools
Fenton Area Public Schools
Ferndale Public Schools
Fitzgerald Public Schools
Flat Rock Comm. Schools
Flint, S.D. of the City of
Flushing Comm. Schools
Forest Area Comm. Schools
Forest Hills Public Schools
Forest Park S.D.
Fowler Public Schools
Fowlerville Comm. Schools
Frankenmuth S.D.
Fraser Public Schools
Freeland Comm. S.D.
Fremont Public S.D.
Fruitport Comm. Schools
Fulton Schools
Galesburg-Augusta Comm. S.
Garden City Public Schools
Gaylord Comm. Schools
Genesee S.D.
Gibraltar S.D.
Gladstone Area Schools
Gladwin Comm. Schools
Glen Lake Comm. Schools
Glenn Public S.D.
Gobles Public S.D.
Godfrey-Lee Public Schools

Godwin Heights Public S.
Goodrich Area Schools
Grand Blanc Comm. Schools
Grand Haven Area Public S.
Grand Ledge Public Schools
Grand Rapids Public Schools
Grandville Public Schools
Grant Public S.D.
Grass Lake Comm. Schools
Greenville Public Schools
Grosse Ile Twp. Schools
Grosse Pointe Public Schools
Gull Lake Comm. Schools
Gwinn Area Comm. Schools
Hagar Twp. S/D #6
Hale Area Schools
Hamilton Comm. Schools
Hamtramck, S.D. City of
Hanover-Horton S.D.
Harbor Beach Comm. S.
Harbor Springs S.D.
Harper Creek Comm. Schools
Harper Woods, S.D. City of
Harrison Comm. Schools
Hart Public S.D.
Hartford Public Schools
Hartland Consolidated S.
Haslett Public Schools
Hastings Area S.D.
Hazel Park, S.D. of the City of
Hemlock Public S.D.
Hesperia Comm. Schools
Highland Park City Schools
Hillman Comm. Schools
Hillsdale Comm. Schools
Holland City S.D.
Holly Area S.D.
Holt Public Schools
Holton Public Schools
Homer Comm. S.D.
Hopkins Public Schools
Houghton Lake Comm. S.
Houghton-Portage Twp. S.D.
Howell Public Schools
Hudson Area Schools
Hudsonville Public S.D.
Huron S.D.

Huron Valley Schools
Ida Public S.D.
Imlay City Comm. Schools
Inland Lakes Schools
Ionia Public Schools
Iron Mountain Public Schools
Ironwood Area Schools of
Gogebic County
Ishpeming Public S.D. No. 1
Ithaca Public Schools
Jackson Public Schools
Jefferson Schools (Monroe)
Jenison Public Schools
Johannesburg-Lewiston Area
Schools
Jonesville Comm. Schools
Kalamazoo Public Schools
Kaleva Norman Dickson S.D.
Kalkaska Public Schools
Kearsley Comm. S.D.
Kelloggville Public Schools
Kenowa Hills Public Schools
Kent City Comm. Schools
Kentwood Public Schools
Kingsley Area Schools
Kingston Comm. S.D.
Laingsburg Comm. Schools
Lake City Area S.D.
Lake Fenton Comm. Schools
Lake Orion Comm. Schools
Lake Shore P. S. (Macomb)
Lakeshore S.D. (Berrien)
Lakeview Comm. Schools
(Montcalm)
Lakeview Public Schools
(Macomb)
Lakeview S. D. (Calhoun)
Lakeville Comm. S.D.
Lakewood Public Schools
Lamphere Public Schools
L'Anse Area Schools
L'Anse Creuse Public Schools
Lansing Public S.D.
Lapeer Comm. Schools
Lawrence Public Schools
Lawton Comm. S.D.
Leland Public S.D.

Les Cheneaux Comm. S.
Leslie Public Schools
Lincoln Consolidated S.D.
Lincoln Park, S.D. City of
Linden Comm. Schools
Litchfield Comm. Schools
Livonia Public Schools S.D.
Lowell Area Schools
Ludington Area S.D.
Mackinac Island Public S.
Mackinaw City Public S.
Madison District Public S.
Madison S.D. (Lenawee)
Mancelona Public Schools
Manchester Comm. Schools
Manistee Area Public S.
Manistique Area Schools
Manton Consolidated S.
Maple Valley Schools
Mar Lee S.D.
Marcellus Comm. Schools
Marion Public Schools
Marlette Comm. Schools
Marquette Area Public S.
Marshall Public Schools
Martin Public Schools
Marysville Public Schools
Mason Cons. S. (Monroe)
Mason County Central S.
Mason County Eastern S.
Mason Public S. (Ingham)
Mattawan Consolidated S.
Mayville Comm. S.D.
McBain Rural Agricultural S.
Melvindale-North Allen Park
Schools
Memphis Comm. Schools
Mendon Comm. S.D.
Menominee Area Public S.
Meridian Public Schools
Merrill Comm. Schools
Mesick Consolidated Schools
Michigan Center S.D.
Mid Peninsula S.D.
Midland Public Schools
Milan Area Schools
Millington Comm. Schools

Mio-AuSable Schools
Mona Shores Public S.D.
Monroe Public Schools
Montabella Comm. Schools
Montague Area Public S.
Montrose Comm. Schools
Moran Twp. S.D.
Morenci Area Schools
Morley Stanwood Comm. S.
Morrice Area Schools
Mount Clemens Comm. S.D.
Mt. Morris Consolidated S.
Mt. Pleasant City S.D.
Munising Public Schools
Muskegon, Public S. City of
Napoleon Comm. Schools
Negaunee Public Schools
New Buffalo Area Schools
New Haven Comm. Schools
New Lothrop Area Public S.
Newaygo Public S.D.
NICE Comm. S.D.
Niles Comm. Schools
North Adams-Jerome Public
Schools
North Branch Area Schools
North Central Area Schools
North Dickinson County S.
North Huron S.D.
North Muskegon Public S.
Northport Public S.D.
Northview Public Schools
Northville Public Schools
Northwest Comm. Schools
Norway-Vulcan Area Schools
Nottawa Comm. School
Novi Comm. S.D.
Oak Park, S.D. of the City of
Oakridge Public Schools
Okemos Public Schools
Olivet Comm. Schools
Onaway Area Comm. S.D.
Onsted Comm. Schools
Ontonagon Area S.D.
Orchard View Schools
Oscoda Area Schools
Otsego Public Schools

Ovid-Elsie Area Schools
Owendale-Gagetown Area
S.D.
Owosso Public Schools
Oxford Comm. Schools
Parchment S.D.
Paw Paw Public S.D.
Peck Comm. S.D.
Pellston Public Schools
Pennfield Schools
Pentwater Public S.D.
Perry Public Schools
Pewamo-Westphalia Comm.
Schools
Pinckney Comm. Schools
Pinconning Area Schools
Pine River Area Schools
Pittsford Area Schools
Plainwell Comm. Schools
Plymouth-Canton Comm. S.
Pontiac City S.D.
Port Huron Area S.D.
Portage Public Schools
Portland Public Schools
Posen Consolidated S.D. #9
Potterville Public Schools
Public Schools of Calumet,
Laurium & Keweenaw
Public Schools of Petoskey
Quincy Comm. Schools
Rapid River Public Schools
Ravenna Public Schools
Reading Comm. Schools
Redford Union Schools,
District No. 1
Reed City Area Public S.
Reese Public Schools
Reeths-Puffer Schools
Republic-Michigamme S.
Richmond Comm. Schools
River Rouge, S.D. City of
River Valley S.D.
Riverview Comm. S.D.
Rochester Comm. S.D.
Rockford Public Schools
Rogers City Area Schools
Romeo Comm. Schools

Romulus Comm. Schools
Roscommon Area Public S.
Roseville Comm. Schools
Royal Oak Schools
Rudyard Area Schools
Saginaw Twp. Comm. S.
Saginaw, S.D. of the City of
Saline Area Schools
Sand Creek Comm. Schools
Sandusky Comm. S.D.
Saranac Comm. Schools
Saugatuck Public Schools
Sault Ste. Marie Area Schools
Schoolcraft Comm. Schools
Shelby Public Schools
Shepherd Public Schools
Sigel Twp. S/D #3F
Sigel Twp. S/D #4F
South Haven Public Schools
South Lake Schools
South Lyon Comm. Schools
South Redford S.D.
Southfield Public S.D.
Southgate Comm. S.D.
Sparta Area Schools
Spring Lake Public Schools
Springport Public Schools
St. Charles Comm. Schools
St. Ignace Area Schools
St. Johns Public Schools
St. Joseph Public Schools
St. Louis Public Schools
Standish-Sterling Comm. S.
Stanton Twp. Public Schools
Stephenson Area Public S.
Stockbridge Comm. Schools
Sturgis Public Schools
Summerfield Schools
Superior Central S.D.
Suttons Bay Public Schools
Swan Valley S.D.
Swartz Creek Comm. Schools
Tahquamenon Area Schools
Tawas Area Schools
Taylor S.D.
Tecumseh Public Schools
Tekonsha Comm. Schools

Thornapple Kellogg S.D.
 Three Rivers Comm. Schools
 Traverse City Area Public S.
 Trenton Public Schools
 Tri County Area Schools
 Troy S.D.
 Ubly Comm. Schools
 Union City Comm. Schools
 Unionville-Sebewaing Area
 S.D.
 Utica Comm. Schools
 Van Buren Public Schools
 Van Dyke Public Schools
 Vanderbilt Area Schools
 Vandercook Lake Public S.
 Vassar Public Schools
 Verona Twp. S/D #1F
 Vestaburg Comm. Schools
 Vicksburg Comm. Schools

Wakefield-Marenisco S.D.
 Waldron Area Schools
 Walkerville Public Schools
 Walled Lake Consolidated S.
 Warren Consolidated Schools
 Warren Woods Public S.
 Waterford S.D.
 Watersmeet Twp. S.D.
 Watervliet S.D.
 Waverly Comm. Schools
 Wayland Union Schools
 Wayne-Westland Comm. S.D.
 Webberville Comm. Schools
 Wells Twp. S.D.
 West Bloomfield S.D.
 West Branch-Rose City Area
 Schools
 West Iron County Public S.
 West Ottawa Public S.D.

Western S.D.
 Westwood Comm. S.D.
 Westwood Heights Schools
 White Cloud Public Schools
 White Pigeon Comm. Schools
 Whiteford Agricultural S.D. of
 the Counties of Lenawee
 and Monroe
 Whitehall District Schools
 Whitmore Lake Public S.D.
 Whittemore-Prescott Area S.
 Williamston Comm. Schools
 Wolverine Comm. S.D.
 Woodhaven-Brownstown S.D.
 Wyandotte, S.D. of the City of
 Wyoming Public Schools
 Yale Public Schools
 Ypsilanti Comm. Schools
 Zeeland Public Schools

PSA District (98%)

Academic and Career Education
 Academy
 Academy for Business and
 Technology
 Academy of Warren
 ACE Academy (SDA)
 Achieve Charter Academy
 Advanced Technology Academy
 AGBU Alex-Marie Manoogian
 School
 Alternative Educational Academy
 of Iosco County
 American International Academy
 American Montessori Academy
 Ann Arbor Learning Community
 Arbor Preparatory High School
 Arts Academy in the Woods
 Arts and Tech. Acad. of Pontiac
 Augusta Academy
 Barack Obama Leadership Acad.
 Battle Creek Area Learning Cent.
 Battle Creek Montessori Acad.
 Bay City Academy
 Bay-Arenac Community H.S.

Benton Harbor Charter S. Acad.
 Black River Public School
 Blue Water Middle College
 Bradford Academy
 Branch Line School
 Bridge Academy
 Bridge Academy of SW MI
 Burton Glen Charter Academy
 Byron Center Charter School
 Caniff Liberty Academy
 Canton Charter Academy
 Canton Preparatory High School
 Capstone Academy Charter
 School (SDA)
 Casman Alternative Academy
 Center Line Preparatory Acad.
 Central Academy
 Cesar Chavez Academy
 Chandler Park Academy
 Chandler Woods Charter Acad.
 Charlevoix Montessori Academy
 for the Arts
 Charlton Heston Academy
 Charyl Stockwell Academy

Chatfield School
 Clara B. Ford Academy (SDA)
 Cole Academy
 Commonwealth Community
 Development Academy
 Concord Academy - Boyne
 Concord Academy - Petoskey
 Copper Island Academy
 Cornerstone Health and
 Technology School
 Cornerstone Jefferson-Douglass
 Academy
 Countryside Academy
 Covenant House Acad. Detroit
 Covenant House Academy Grand
 Rapids
 Creative Montessori Academy
 Creative Technologies Academy
 Crescent Academy
 Cross Creek Charter Academy
 Crossroads Charter Academy
 Da Vinci Institute
 David Ellis Academy
 David Ellis Academy West

Detroit Academy of Arts and Sciences	Grand Rapids Child Discovery Center	Leelanau Montessori Public School Academy
Detroit Achievement Academy	Grand River Academy	Life Skills Center of Pontiac
Detroit Collegiate High School	Grand River Preparatory H. S.	LifeTech Academy
Detroit Community Schools	Grand Traverse Academy	Light of the World Academy
Detroit Edison PSA	Great Lakes Academy	Lighthouse Academy
Detroit Enterprise Academy	Great Lakes Learning Academy	Lighthouse Connections Acad.
Detroit Innovation Academy	Greater Heights Academy	Linden Charter Academy
Detroit Leadership Academy	Hamilton Academy	Livingston Classical Academy
Detroit Merit Charter Academy	Hamtramck Academy	MacDowell Preparatory Academy
Detroit Premier Academy	Hanley International Academy	Macomb Academy
Detroit Prep	Henry Ford Academy	Macomb Montessori Academy
Detroit Public Safety Academy	Highland Park Public School Academy System	Madison Academy
Detroit Service Learning Acad.	Highpoint Virtual Acad. of MI	Madison-Carver Academy
Distinctive College Prep.	Hillsdale Preparatory School	Marshall Academy
Dove Academy of Detroit	Holly Academy	Martin Luther King, Jr. Education Center Academy
Dr. Joseph F. Pollack Academic Center of Excellence	Honey Creek Community School	Marvin L. Winans Academy of Performing Arts
Eagle Crest Charter Academy	Hope Academy	Merritt Academy
Eagle's Nest Academy	Hope Academy of West Michigan	Metro Charter Academy
East Arbor Charter Academy	Hope of Detroit Academy	Michigan Collegiate
East Shore Leadership Academy	Huron Academy	Michigan Connections Academy
Eaton Academy	ICademy Global	Michigan Educational Choice Center
Endeavor Charter Academy	Inkster Preparatory Academy	Michigan Great Lakes Virtual Academy
Escuela Avancemos	Innocademy	Michigan International Prep S.
Excel Charter Academy	Innocademy Allegan Campus	Michigan Mathematics and Science Academy
Faxon Academy	Insight School of Michigan	Michigan Online School
Flagship Charter Academy	International Academy of Flint	Michigan Virtual Charter Acad.
Flat River Academy	International Academy of Saginaw	Mid-Michigan Leadership Acad.
Flex High School of Michigan	Ivywood Classical Academy	Mildred C. Wells Preparatory Academy
FlexTech High School	Jackson Preparatory & Early College	Momentum Academy
Flextech High School Shepherd	Jalen Rose Leadership Academy	Mt. Clemens Montessori Acad.
Flint Cultural Center Academy	Joseph K. Lumsden Bahweting Anishnabe Academy	Multicultural Academy
Forest Academy	Joy Preparatory Academy	Muskegon Heights Public School Academy System
Fortis Academy	Kalamazoo Covenant Academy	Muskegon Montessori Academy for Environmental Change
Four Corners Montessori Acad.	Kensington Woods Schools	Nah Tah Wahsh PSA
Francis Reh PSA	Keys Grace Academy	New Bedford Academy
Francis Street Primary School	Keystone Academy	New Branches Charter Academy
Frontier International Academy	Kingsbury Country Day School	New Dawn Academy of Warren
GEE Edmonson Academy	Knapp Charter Academy	New Paradigm College Prep
Genesee STEM Academy	Lake Superior Academy	
George Crockett Academy	Landmark Academy	
George Washington Carver Acad.	Lansing Charter Academy	
Global Heights Academy		
Global Preparatory Academy		
Global Tech Academy		
Grand Blanc Academy		

New Paradigm Glazer-Loving Academy	River City Scholars Charter Academy	University Preparatory Science and Math (PSAD)
New School High	River Heights Academy	University Yes Academy
NexTech High School	Riverside Academy	Uplift Michigan Academy
NexTech High School of Lansing	Rutherford Winans Academy	Vanderbilt Charter Academy
Noor International Academy	Saginaw Covenant Academy	Virtual Learning Academy of St. Clair County
North Saginaw Charter Academy	Saginaw Preparatory Academy	Vista Charter Academy
North Star Montessori Academy	Sigma Academy for Leadership and Early Middle College	Vista Meadows Academy
Northridge Academy	South Arbor Charter Academy	Voyageur Academy
Oakland Academy	South Canton Scholars Charter Academy	Walden Green Montessori
Oakland County Academy of Media & Technology	South Pointe Scholars Charter Academy	Walker Charter Academy
Oakland FlexTech High School	St. Clair County Intervention Academy	Walton Charter Academy
Oakland International Academy	Star International Academy	Warrendale Charter Academy
Oakside Scholars Charter Acad.	State Street Academy	Washington-Parks Academy
Ojibwe Charter School	Success Virtual Learning Centers of Michigan	Washtenaw Technical Middle College
Old Mission Peninsula School	Summit Academy North	Waterford Montessori Academy
Old Redford Academy	Taylor Exemplar Academy	W-A-Y Academy
Orchard Academy	Taylor Preparatory High School	WAY Academy - Flint
Pansophia Academy	The Dearborn Academy	WAY Michigan
Paragon Charter Academy	The Greenspire School	Wellspring Preparatory H. S.
Paramount Charter Academy	The James and Grace Lee Boggs School	West MI Academy of Arts and Academics
Pembroke Academy	The New Standard Academy	West MI Academy of Environmental Science
Plymouth Educational Center Charter School	Three Lakes Academy	West Michigan Aviation Acad.
Plymouth Scholars Charter Academy	Three Oaks PSA	West Village Academy
Pontiac Academy for Excellence	Timberland Academy	Westfield Charter Academy
PrepNet Virtual Academy	Tipton Academy	Weston Preparatory Academy
Prevail Academy	Trillium Academy	White Pine Academy
Quest Charter Academy	Triumph Academy	Will Carleton Charter School Academy
Reach Charter Academy	Universal Academy	William C. Abney Academy
Regent Park Scholars Charter Academy	Universal Learning Academy	Windemere Park Charter Acad.
Regents Academy	University Preparatory Academy (PSAD)	Windover High School
Relevant Academy of Eaton County	University Preparatory Art & Design	Woodland Park Academy
Renaissance PSA		Woodland School
Richfield Public School Academy		WSC Academy
Ridge Park Charter Academy		Youth Advancement Academy
Rising Stars Academy		

Nonpublic Schools (60%)

Academy of International Studies - Hamtramck	Acton Academy Ann Arbor (A2) - Ann Arbor	Aim High School - Farmington Hills
Academy of Sacred Heart - Bloomfield Hills	Ada Christian School - Ada	Al-Furqan Quran Academy - Detroit

Algoma Christian School - Kent City	Bishop Foley Catholic High School - Madison Heights	Christ The King Lutheran- Unionville - Unionville
Al-Ikhlās Training Academy - Detroit	Bloomfield Christian School - Bloomfield Hills	Christian Montessori School - Ann Arbor
All Saints Academy Lower Campus - Grand Rapids	Borculo Christian School - Zeeland	Clonlara School - Ann Arbor
All Saints Catholic Academy - Ironwood	Bowen Creek Amish School - Quincy	Concordia Lutheran South - Redford
All Saints Catholic School - Canton	Bridgeport Baptist Academy - Bridgeport	Copper Country Christian School - Calumet
All Saints Central School - Bay City	Brightmont Academy - Birmingham	Cornerstone Christian School - Brighton
All Saints Elementary - Bay City	Brookfield Academy - Livonia	Cornerstone Schools Association - Detroit
Allendale Christian School - Allendale	Brookfield Academy - Rochester Hills	Corpus Christi Catholic School - Holland
Anchorpoint Christian School - Wyoming	Brookfield Academy - Troy	Covenant Christian High School - Grand Rapids
Ann Arbor Academy - Ann Arbor	Brother Rice High School - Bloomfield Hills	Cranbrook School - Bloomfield Hills
Ann Arbor Christian School - Ann Arbor	Byron Center Christian School - Byron Center	Crescent Academy International - Canton
Ann Arbor Hills Child Dev. Ctr. - Ann Arbor	Cabrini High School - Allen Park	Cross Lutheran School - Pigeon
Asa Higher Learning Preparatory - Detroit	Calhoun Christian School - Battle Creek	Dearborn Heights Montessori Center - Dearborn Heights
Assumption of the Blessed Virgin Mary Catholic School - Belmont	Calvary Baptist Academy - Midland	DeLaSalle Collegiate High School - Warren
Auburn Area Catholic School - Auburn	Calvary Christian School - Fruitport	Demick School - Warren
Auburn Hills Christian School - Auburn Hills	Calvin Christian Middle School & High School - Grandville	Detroit Catholic Central High School - Novi
Austin Catholic High School - Chesterfield	Cardinal Mooney Catholic School - Marine City	Detroit Christian Schools of Excellence - Detroit
Beth Jacob School - Oak Park	Catholic Central High School - Grand Rapids	Detroit Country Day Middle School - Beverly Hills
Bethany Christian School - Troy	Cedar Classical Academy - Okemos	Detroit Country Day Upper School - Beverly Hills
Bethel Lutheran School - Bay City	Cedar Crest Academy - Clarkston	Detroit Cristo Rey High School - Detroit
Bethlehem Lutheran School - Saginaw	Centerpoint Academy - Burton	Divine Child Elementary School - Dearborn
Beverly Hills Academy - Beverly Hills	Chiquitos Bilingual Montessori (Chiquitos Inc) - Utica	Divine Child High School - Dearborn
Bishop Baraga Catholic School - Iron Mountain	Christ The King Lutheran- Sebewaing - Sebewaing	Divine Providence Academy - Conklin
		Dreamy Islamic Academy - Dearborn Heights

Dutton Christian School - Caledonia	Grand Rapids Christian Elementary School - Evergreen Campus - Grand Rapids	Holy Cross Lutheran School - Saginaw
Eagle Creek Academy - Oakland	Grand Rapids Christian Elementary School - Grand Rapids	Holy Family Regional School - Rochester Hills
East Martin Christian School - Martin	Grand Rapids Christian High School - Grand Rapids	Holy Family School - East Tawas
Ebenezer Christian School - Ellsworth	Grand Rapids Christian Middle School - Grand Rapids	Holy Family School - Grand Blanc
Escanaba SDA Elementary School - Escanaba	Grandville Christian School - Grandville	Holy Ghost Lutheran School - Monroe
Eton Academy - Birmingham	Grayling SDA School - Grayling	Holy Name School - Birmingham
Everest Academy - Clarkston	Great Lakes Adventist Academy - Cedar Lake	Holy Name School - Escanaba
Faith Baptist School - Davison	Greater Lansing Islamic School - East Lansing	Holy Redeemer Elementary School - Detroit
Faith Christian Academy - Southfield	Greenhills School - Ann Arbor	Holy Rosary School - Flint
Faith Community Christian School - Belding	Grosse Pointe Academy - Grosse Pointe Farms	Holy Spirit Central School - Norway
Faith Lutheran School - Bay City	Guardian Angels School - Clawson	Holy Spirit Roman Catholic School - Brighton
Farber Hebrew Day School - Yeshivat Akiva - Southfield	Guardian Lutheran School - Dearborn	Holy Spirit School - Grand Rapids
First Flint SDA School - Flint	Hackett Catholic Prep - Kalamazoo	Holy Trinity Catholic School - Comstock Park
Fr. Gabriel Richard High School - Ann Arbor	Hadi Educational Institute - Dearborn	Hope Protestant Reformed Christian School - Grand Rapids
Fr. Luke M. Powers High School - Flint	Harbor Light Christian School - Harbor Springs	Huda School and Montessori - Franklin
Fr. Marquette Catholic School - Marquette	Hebrew Day School of Ann Arbor - Ann Arbor	Huda Upper School - Farmington Hills
Fremont Christian School - Fremont	Heritage Christian School - Hudsonville	Hudsonville Christian School - Hudsonville
Gabriel Richard Catholic High School - Riverview	Hillsdale Academy - Hillsdale	Huron Valley Catholic School - Ypsilanti
Genesee Academy - Swartz Creek	Holland Adventist Academy - Holland	Huron Valley Lutheran High School - Westland
Genesee Christian School - Burton	Holland Christian High School - Holland	Imlay City Christian School - Imlay City
Gesu Elementary School - Detroit	Holland Christian Middle School - Holland	Immaculate Conception School - Ira
Good Shepherd Lutheran School - Lake Orion	Holt Lutheran Schools - Holt	Immaculate Conception Ukrainian School - Warren
Grand Blanc Montessori - Grand Blanc	Holy Cross Catholic School - Marine City	Immaculate Heart of Mary - Lansing

Immaculate Heart of Mary School - Grand Rapids	Libertas Christian School - Hudsonville	Muskegon Christian School - Muskegon
Immanuel - St. James Lutheran School - Grand Rapids	Living Stones Academy - Grand Rapids	ND Marist Acade. Middle Div. - Pontiac
Immanuel Lutheran School - Alpena	Livingston Christian Schools - Brighton	New Life Christian Academy - Kimball
Immanuel Lutheran School - Bay City	Loyola High School - Detroit	New Morning School - Plymouth
Immanuel Lutheran School - Macomb	Ludington Area Catholic School - Ludington	Niles SDA School - Niles
Immanuel Lutheran School - Saginaw	Lumen Christi Catholic School - Jackson	Noor Academy - Rochester Hills
Inter City Baptist School - Allen Park	Lutheran High School Nw - Rochester Hills	Northern Michigan Christian School - McBain
Interlochen Arts Academy - Interlochen	Lutheran High School-North - Macomb	Northpointe Christian School - Grand Rapids
Jackson Christian School - Jackson	Lutheran High School- Westland - Westland	Northville Christian School - Northville
Jenison Christian School - Jenison	Macomb Christian Schools - Warren	Notre Dame Preparatory School - Pontiac
John Paul II Catholic School - Lincoln Park	Manistee Catholic Central Schools - Manistee	Nouvel Catholic Central Elementary - Saginaw
Kalamazoo Christian High School - Kalamazoo	Marian High School - Bloomfield Hills	Nouvel Catholic Central High School - Saginaw
Kalamazoo Christian School - Kalamazoo	Meadow Montessori School - Monroe	Novi Christian Academy - Novi
Kazoo School - Kalamazoo	Mercy High School - Farmington Hills	Oakland Christian School - Auburn Hills
Ladywood High School-- Detroit - Livonia	Michigan Islamic Academy - Ann Arbor	Our Lady of Consolation School - Rockford
Lake Michigan Academy - Grand Rapids	Moline Christian School - Moline	Our Lady of Good Counsel School - Plymouth
Lake Michigan Catholic School - Saint Joseph	Monroe Catholic Es - St. John Campus - Monroe	Our Lady of Lake Huron School - Harbor Beach
Lamont Christian School - Coopersville	Monroe Catholic Es - St. Mary Campus - Monroe	Our Lady of Refuge School - Orchard Lake
Lansing Catholic Central High School - Lansing	Monroe Catholic Es - St. Michael Campus - Monroe	Our Lady of Sorrows School - Farmington Hills
Lansing Christian School - Lansing	Montessori Children'S Center - Kalamazoo	Our Lady of The Lakes School - Waterford
Leelanau School - Glen Arbor	Most Holy Trinity School - Detroit	Our Lady of Victory School - Northville
Legacy Christian Elementary School - Grand Rapids	Most Holy Trinity School - Fowler	Our Lady Queen of Martyrs School - Beverly Hills
Legacy Christian School - Grand Rapids	Mt. Pleasant SDA School - Mount Pleasant	Our Lady Star of The Sea School - Grosse Pointe Woods
Lenawee Christian School - Adrian	Muskegon Catholic Central - Muskegon	

Our Savior Lutheran School - Grand Rapids	Sacred Heart Academy - Grand Rapids	St. Anthony of Padua School - Grand Rapids
Our Savior Lutheran School - Hartland	Sacred Heart Academy - Mount Pleasant	St. Augustine Cathedral School - Kalamazoo
Our Savior Lutheran School - Lansing	Sacred Heart School - Dearborn	St. Augustine Catholic School - Richmond
Our Shepherd Lutheran School - Birmingham	Sacred Heart School - Hudson	St. Catherine of Siena Academy - Wixom
Parkway Christian School - Sterling Heights	Saginaw Chippewa Indian Tribe of Michigan - Mount Pleasant	St. Charles Borromeo Catholic School - Coldwater
Peace Lutheran School - Livonia	Saint John Paul II Catholic Academy - Menominee	St. Charles Catholic School - Greenville
Peace Lutheran School - Saginaw	San Juan Diego Academy - Wyoming	St. Charles School - Newport
Peace Lutheran School - Shelby Township	School of Love - Detroit	St. Clare of Montefalco School - Grosse Pointe Park
Pine Ridge Christian School - Holland	Schoolhouse Montessori Academy - Canton	St. Edith Catholic School - Livonia
Plymouth Christian Academy - Canton	Shajara Tayyiba School - Canton	St. Edward on The Lake School - Lakeport
Plymouth Christian School - Grand Rapids	Shepherd of The Lakes Lutheran School - Brighton	St. Elizabeth Catholic School - Reese
Potters House High School - Wyoming	Shrine Catholic Grade School - Royal Oak	St. Fabian Catholic School - Farmington Hills
Potters House School - Wyoming	Shrine Catholic High School & Academy - Royal Oak	St. Frances Cabrini School - Allen Park
Queen of Miraculous Medal School - Jackson	South Christian High School - Byron Center	St. Francis De Sales School - Manistique
Red Hill Montessori - Farmington Hills	South Olive Christian School - Holland	St. Francis High School - Traverse City
Regina High School - Warren	South Side Christian School - Holland	St. Francis of Assisi School - Ann Arbor
River of Life School - Benton Harbor	Southfield Christian School - Southfield	St. Francis Xavier School - Petoskey
Rockford Christian School - Rockford	Spiritus Sanctus Academy - Ann Arbor	St. Gerard School - Lansing
Roeper City and Country Elementary School - Bloomfield Hills	Spiritus Sanctus Academy - Plymouth	St. Germaine Elementary School - Saint Clair Shores
Rose Park Christian School - Holland	Ss. Peter and Paul School - Ionia	St. Hugo of The Hills School - Bloomfield Hills
Rudolf Steiner High School - Ann Arbor	St. Ann School - Cadillac	St. Isaac Jogues Catholic School - Saint Clair Shores
Rudolf Steiner School of Ann Arbor - Ann Arbor	St. Anne Catholic Grade School - Warren	St. Joan of Arc School - Saint Clair Shores
Ruth Murdoch Elementary School - Berrien Springs	St. Anselm School - Dearborn Heights	St. John Ev Lutheran School - Pigeon

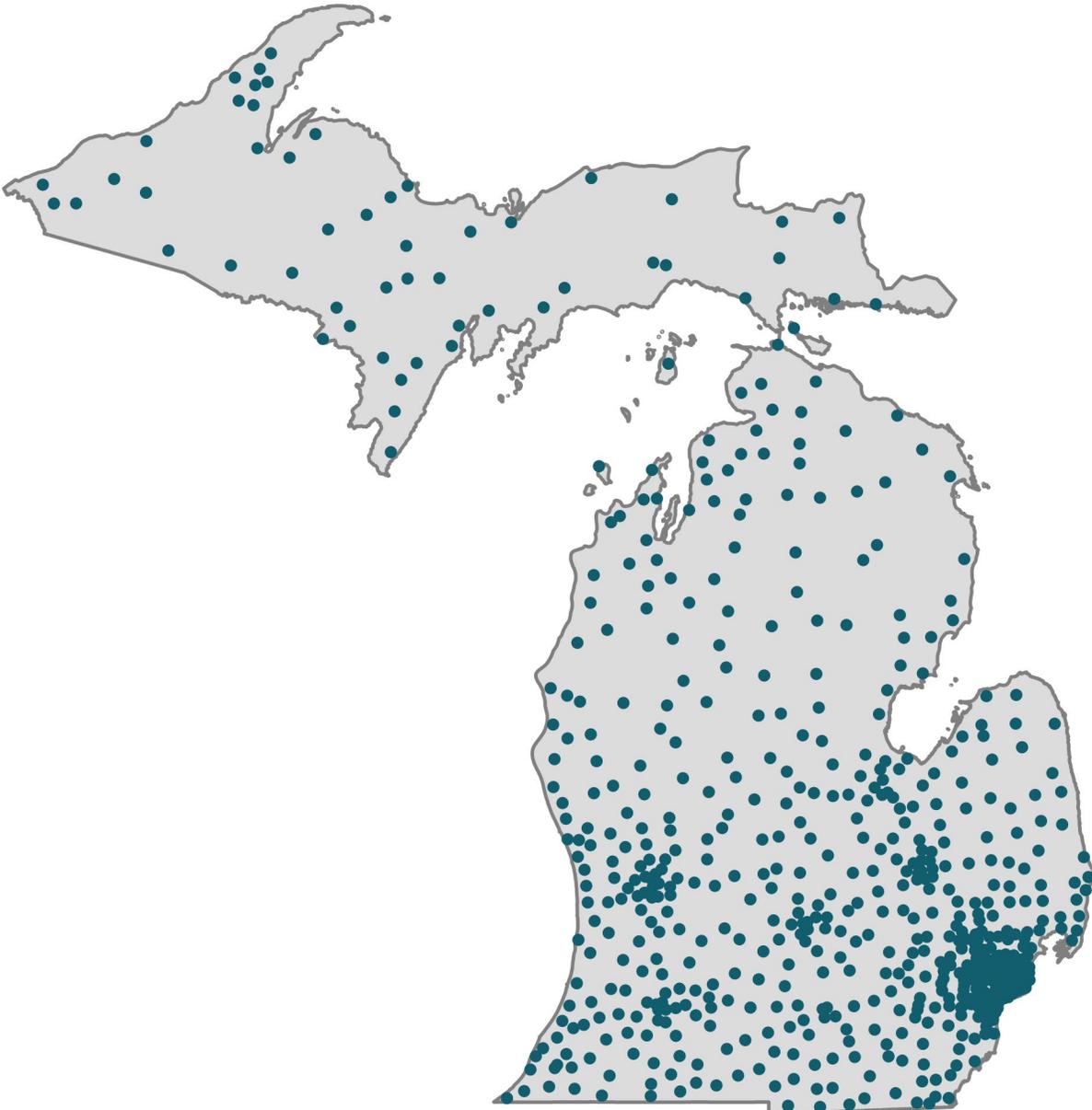
St. John Lutheran School - Fraser	St. Mary School - Charlotte	St. Paul Lutheran School - Lapeer
St. John Lutheran School - New Boston	St. Mary School - Lake Leelanau	St. Paul Lutheran School - Millington
St. John Lutheran School - Rochester	St. Mary School - Mount Clemens	St. Paul Lutheran School - Royal Oak
St. John The Evangelist School - Fenton	St. Mary School - Paw Paw	St. Paul Lutheran School - Saginaw
St. John The Evangelist School - Jackson	St. Mary School - Royal Oak	St. Paul School - Grosse Pointe Farms
St. John Vianney School - Flint	St. Mary School - Saint Clair	St. Paul School - Owosso
St. John Vianney School - Wyoming	St. Mary School - Wayne	St. Paul The Apostle School - Grand Rapids
St. John's Lutheran School - Midland	St. Mary School - Westphalia	St. Peter Lutheran School - Eastpointe
St. Joseph Catholic School - Erie	St. Mary School - Williamston	St. Peter Lutheran School - Hemlock
St. Joseph Catholic School - Lake Orion	St. Mary Star of The Sea School - Jackson	St. Peter Lutheran School - Macomb
St. Joseph Elementary School - Battle Creek	St. Mary/McCormick Catholic Academy - Port Huron	St. Peter Lutheran School - Saint Johns
St. Joseph Middle School - Battle Creek	St. Mary's Catholic School - Spring Lake	St. Peter's Lutheran School - Richmond
St. Joseph School - Howell	St. Mary's Preparatory School - Orchard Lake	St. Pius Catholic School - Southgate
St. Joseph School - Pewamo	St. Mary's Visitation School - Byron Center	St. Regis School - Bloomfield Hills
St. Joseph School - Saint Johns	St. Matthew Lutheran School - Walled Lake	St. Robert Bellarmine School - Flushing
St. Joseph School - Trenton	St. Matthew Lutheran School - Westland	St. Robert Catholic School - Ada
St. Joseph School - West Branch	St. Michael Lutheran School - Richville	St. Rose of Lima Catholic School - Hastings
St. Joseph The Worker School - Mount Pleasant	St. Michael Lutheran School - Wayne	St. Stephen Elementary School - New Boston
St. Lawrence School - Utica	St. Michael School - Grand Ledge	St. Thecla Catholic School - Clinton Township
St. Linus School - Dearborn Heights	St. Michael School - Livonia	St. Therese Catholic School - Wayland
St. Margaret School - Otsego	St. Michael School - Pinconning	St. Thomas Aquinas School - East Lansing
St. Mary Assumption School - Bronson	St. Michael School - Remus	St. Thomas More Academy - Burton
St. Mary Cathedral School - Gaylord	St. Michael's Lutheran School - Portage	St. Thomas The Apostle School - Grand Rapids
St. Mary Catholic Central High School - Monroe	St. Monica School - Kalamazoo	St. Valentine School - Redford
St. Mary Catholic School - Big Rapids	St. Patrick School - Ada	
St. Mary Catholic School - Sault Sainte Marie	St. Patrick School - Brighton	
	St. Patrick School - Carleton	
	St. Patrick School - White Lake	
	St. Patrick's School - Portland	
	St. Paul Lutheran School - Bay City	

St. William Catholic School -
Walled Lake
Stepping Stones Montessori
School - East Lansing
Tawheed Center of Detroit
School - Dearborn Heights
The Montessori School
Rochester - Rochester
Hills
The Pathfinder School, Inc. -
Traverse City
Traverse City Christian
School - Traverse City
Trinitas Classical Association
- Grand Rapids
Trinity Ev Lutheran School -
Bay City
Trinity Lutheran Monitor - Bay
City
Trinity Lutheran School -
Berrien Springs
Trinity Lutheran School -
Clinton Township
Trinity Lutheran School -
Conklin
Trinity Lutheran School -
Jackson
Trinity Lutheran School -
Monroe

Trinity Lutheran School -
Reese
Trinity Lutheran School -
Saint Joseph
Trinity Lutheran School -
Traverse City
Trinity Lutheran School -
Utica
Tri-Unity Christian
Middle/High School -
Wyoming
Tri-Unity Christian School -
Wyoming
Unity Christian High School -
Hudsonville
University of Detroit Jesuit -
Detroit
Upland Hills School - Oxford
Valley Lutheran High School -
Saginaw
Village SDA Elementary
School - Berrien Springs
Vision For My Life
Educational Development
Center - Flint
Waldorf School Assn. of
Michigan - Detroit
Warren Woods Christian
School - Warren

Washtenaw Christian
Academy - Saline
West Catholic High School -
Grand Rapids
West Highland Christian
Academy - Milford
West Michigan Lutheran High
School - Wyoming
West Side Christian School -
Grand Rapids
Western Michigan Christian
High School - Muskegon
Westside Christian Academy
- Redford
Wise Academy - Dearborn
Heights
Yeshiva Beth Yehudah School
- Southfield
Zeeland Christian School -
Zeeland
Zion Christian School - Byron
Center
Zion Lutheran Beaver School
- Auburn
Zion Lutheran School - Bay
City
Zion Lutheran School -
Harbor Beach

Figure 8. 2021-22 Michigan Virtual ISD, LEA, PSA Districts and Nonpublic Schools with Professional Learning Enrollments



Endnotes

¹ Statistics cited from *Michigan's K-12 Virtual Learning Effectiveness Report, 2020-21* available at <https://michiganvirtual.org/research/publications/michigans-k-12-virtual-learning-effectiveness-report-2020-21/>

² See the Michigan Merit Curriculum Guidelines: Online Experience document available at https://www.michigan.gov/documents/mde/Online10.06_final_175750_7.pdf

³ A full text version of Section 21f is available at <http://legislature.mi.gov/doc.aspx?mcl-388-1621f>

⁴ The statewide catalog of online courses can be found at <https://micourses.org>

⁵ The National Standards for Quality Online Courses are available at <https://www.nsqol.org/the-standards/quality-online-courses/>. While these standards were designed specifically for K-12 student learners, many remain applicable for adult audiences.

⁶ People can submit a help desk ticket at <https://help.michiganvirtual.org/support/tickets/new>

⁷ *Michigan Virtual's* web page detailing its professional learning online course standards and steps for filing a complaint is available at <https://michiganvirtual.org/pls-standards>.

⁸ Detailed information related to this legislation can be found at [http://www.legislature.mi.gov/\(S\(hlzdyoz1sxzt2dpxc1wq3nm\)\)/mileg.aspx?page=GetObject&objectname=mcl-388-1698](http://www.legislature.mi.gov/(S(hlzdyoz1sxzt2dpxc1wq3nm))/mileg.aspx?page=GetObject&objectname=mcl-388-1698)

⁹ Information about summer enrichment options is available at <https://michiganvirtual.org/students/summer/>

¹⁰ The *Michigan Virtual* blog, The Digital Backpack, is available at <https://michiganvirtual.org/resources/blog/>

¹¹ Adult Perspectives of Online Learning is available at https://michiganvirtual.org/wp-content/uploads/2022/09/Adult_Perspectives_of_Online_Learning.pdf

¹² Student Engagement with Interactive Course Elements in Supplementary Online Science Courses is available at <https://michiganvirtual.org/research/publications/student-engagement-interactive-course-elements/>

¹³ Student-Centered learning publications are available at https://michiganvirtual.org/research/publications/?_pub_category=student-centered-learning

¹⁴ *Empowering Teachers and Capturing Kids' Hearts®: The Public Schools of Calumet, Laurium, and Keweenaw's Journey Toward Student-Centered Learning* is available at <https://michiganvirtual.org/research/publications/public-schools-of-clk-student-centered-learning/>

¹⁵ *Through Community and Culture, Oxford Community Schools Makes Learning Student-Centered* is available at <https://michiganvirtual.org/research/publications/oxford-community-schools-makes-learning-student-centered/>

¹⁶ *Programs, Pathways, and Proficiency Scales Anchor Student-Centered Learning at Berrien Springs Public Schools* is available at <https://michiganvirtual.org/research/publications/student-centered-learning-at-berrien-springs-public-schools/>

¹⁷ The *Michigan Virtual* website promotes the online program review opportunity at <https://michiganvirtual.org/research/online-program-reviews/>

¹⁸ The *National Standards for Quality Online Programs* is available at <https://www.nsqol.org/wp-content/uploads/2019/02/National-Standards-for-Quality-Online-Programs.pdf>

¹⁹ Information on *Michigan Virtual's* free online learning program reviews is available at <https://michiganvirtual.org/research/online-program-reviews/>

²⁰ The statewide catalog of online courses is available at <https://micourses.org/>

²¹ The *Effectiveness Report* is available at <https://michiganvirtual.org/research/publications/michigans-k-12-virtual-learning-effectiveness-report-2020-21/>

²² View the *Effectiveness Report* infographic at <https://michiganvirtual.org/wp-content/uploads/2022/03/ER-2021-At-A-Glance.pdf>

²³ View the *Effectiveness Report* presentation at https://www.youtube.com/watch?v=ESgLkJn-5_4

²⁴ *Michigan Virtual Guide to Online Learning* are available at <https://michiganvirtual.org/resources/guides/>

²⁵ *Michigan Virtual's* page on Michigan's online learning law is available at <https://michiganvirtual.org/resources/21f/>

²⁶ *Understanding Inequity in Michigan K-12 Online Education* is available at <https://michiganvirtual.org/research/publications/understanding-inequity-in-michigan-k-12-online-education/>

²⁷ *"It's Just Too Much": Meeting the Social and Emotional Needs of Michigan Educators* is available at <https://michiganvirtual.org/research/publications/meeting-educators-sel-needs/>

²⁸ *Recruitment and Retention of Online Teachers* is available at <https://michiganvirtual.org/research/publications/online-teacher-recruitment-retention/>

²⁹ *Educators' Perceptions of Online SEL Professional Learning Courses* is available at <https://michiganvirtual.org/research/publications/sel-pd-effectiveness-perceptions>

³⁰ The Bright podcast is available at <https://michiganvirtual.org/bright/>

³¹ The Time for Teachers blog series is available at <https://michiganvirtual.org/blog/tag/time-for-teachers/>

³² The Teacher Recruitment and Retention blog series is available at <https://michiganvirtual.org/blog/category/teacher-recruitment-retention-2/>

³³ The Designing Effective Professional Learning blog series is available at <https://michiganvirtual.org/blog/tag/designing-effective-professional-learning/>

- ³⁴ The Research Clearinghouse can be found at <https://k12onlineresearch.org/>
- ³⁵ The Winter 2021 Clearinghouse Newsletter is available at <https://mail.michiganvirtual.org/winter-2021-quarterly-research-clearinghouse-newsletter>
- ³⁶ The Spring 2022 Clearinghouse Newsletter is available at <https://mail.michiganvirtual.org/spring-2022-quarterly-research-clearinghouse-newsletter>
- ³⁷ The Summer 2022 Clearinghouse Newsletter is available at <https://mail.michiganvirtual.org/summer-2022-quarterly-research-clearinghouse-newsletter>
- ³⁸ The Fall 2022 Clearinghouse Newsletter is available at <https://mail.michiganvirtual.org/fall-2022-quarterly-research-clearinghouse-newsletter>
- ³⁹ Instructional Practices with Technology is available for registration at <https://plp.michiganvirtual.org/Registration.aspx?course=787>
- ⁴⁰ Blended Classroom Design is available for registration at <https://plp.michiganvirtual.org/Registration.aspx?course=790>
- ⁴¹ The presentation, *Plan, Design, Deliver*, is viewable on the QM YouTube channel at <https://www.youtube.com/watch?v=Jgr6yW2l3x4>
- ⁴² The slide deck for *Your Game Plan for Student Engagement & Accountability in the Online & Blended Classroom* is available at https://docs.google.com/presentation/d/10jq0TCKx2pMRvL6DJJKEyo9evcOCWDZ_Q2QIT0P2MPk/view#slide=id.p
- ⁴³ The slide deck for *Practical Tips, Tools, & Techniques for Online Teaching* is available at https://docs.google.com/presentation/d/1veFupKt20Bt2Jt8mjGRuntC2qhdNFuCYQNCHVyCaAmg/view#slide=id.g119e6e16a0a_0_0
- ⁴⁴ The current Consumer Awareness report is available at <https://michiganvirtual.org/research/consumerawareness/>
- ⁴⁵ Free learning continuity resources can be found at <https://lc.michiganvirtual.org/>
- ⁴⁶ The #GoOpenMichigan website is <https://goopenmichigan.org/>
- ⁴⁷ Online learning resources related to Michigan's online learning law (21f) is available at <https://michiganvirtual.org/resources/21f/>
- ⁴⁸ Knowledge base articles for micourses.org can be accessed through the *Michigan Virtual* website at <https://help.michiganvirtual.org/support/solutions/articles/65000174495-michigan-s-online-coursecatalog>

Board of Directors

Brendan Guenther

Chair

Chief Academic Digital Officer
Michigan State University

Amanda Wagenschutz

Vice Chair

Vice President of People & Culture Operations
Consumers Energy

Brian Broderick

Audit Committee Chair

Executive Director
Michigan Association of Non-public Schools

Darrell Burks

Secretary/Treasurer
Retired Partner
PricewaterhouseCoopers

Prentiss Brown

Attorney
Prentiss M. Brown, P.C.

Robert Filka

CEO
Home Builders Association of Michigan

Jamey Fitzpatrick

President & CEO
Michigan Virtual

Daniel F. Kiblawi

Retired President & CEO Egelhof Controls
Corporation

Rossi Ray-Taylor

President & CEO
Ray.Taylor and Associates, LLC

Michael Rice

State Superintendent of Public Instruction
Michigan Department of Education

Deborah Snyder

President
St. Clair County Community College

Stephanie Teasley

Research Professor
University of Michigan

Jeff Williams

Director, Community Data & Research Lab
Dorothy A. Johnson Center at GVSU

Wendy Zdeb

Executive Director
Michigan Association of Secondary School
Principals



Main: 517.336.7733 | Toll-free: 888.532.5806 | michiganvirtual.org

© 2022, *Michigan Virtual University*, all rights reserved.



MichiganVirtual