MICHIGAN**VIRTUAL**™

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About Michigan Virtual

Michigan Virtual University®, commonly known as *Michigan Virtual™*, is a nonprofit 501(c)(3) organization whose mission is to maximize learning and teaching by bringing together the best in people and technology.

Michigan Virtual works to fulfill that mission through a multi-pronged approach to technology-enabled educational solutions. 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 Michigan districts 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. In just the last five years alone, *Michigan Virtual* has provided over one million online professional enrollments.

Another 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 infrastructure for sharing effective practices. It is a nationally recognized thought leader in online and blended learning and offers consulting services to schools in these areas. In 2023, *Michigan Virtual* opened an Artificial Intelligence (AI) Lab to expand the leadership role of the Institute to include investigating the instructional, policy, ethical, and legal aspects connected to the use of AI in K-12 teaching and learning.

The organization has three strategic priorities. The first, *Drive Educational Change*, focuses on partnering with educational leaders and empowering them with the tools and insights needed for transformation, positioning *Michigan Virtual* as a thought leader in forecasting and adapting to emerging trends in the future of learning. The second, *Broaden Student Pathways*, seeks to enrich students' educational journey by expanding access to diverse courses and focusing on equipping them with the skills needed for success in college and careers. The final priority, *Power Professional Learning*, involves scaling our professional learning services while providing positive experiences that people want to tell their friends and colleagues about. By serving as a trusted learning partner, *Michigan Virtual* helps catalyze the systemic changes required to positively impact student achievement. More information about the strategic plan is available on our website.[1]

This *Annual Report* provides highlights of *Michigan Virtual*'s student learning, professional learning, and research activities for the 2023-24 fiscal year.

Student Learning

Student Online Learning in Michigan

Before detailing the impact of *Michigan Virtual*'s student learning efforts, it may be valuable to provide a comprehensive statewide snapshot of virtual learning for Michigan K-12 students. Based on data published in *Michigan's K-12 Virtual Learning Effectiveness Report 2022-23*,[2] we know that:

- Over 600 Michigan public school districts reported at least one virtual enrollment.
- Of the 1,475 schools with virtual enrollments, over half had 100 or more virtual enrollments.
- Over 259,000 Michigan K-12 students took at least one virtual course, totaling more than 1M virtual enrollments.
- Schools are disproportionately enrolling students in poverty into online courses. On average, schools also tend to enroll students who are struggling academically in their face-to-face courses or for a subject in which a student has failed rather than for advanced coursework or for a subject in which the student is proficient.
- The overall pass rate for virtual courses was 65%, down four percentage points from the prior year. Fifty-two percent of the virtual learners—almost 83,000 students—passed every virtual course they took. The pass rate is low because of cases where students are being provided with large numbers of virtual courses without passing any of them. Restricting the number of virtual courses a student can take to one or two at a time until the student demonstrates successful completion might improve the statewide pass rate.
- Some schools are clearly more effective in using virtual learning than others. Twenty-eight percent of 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 experience[3] 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 the State School Aid Act.[4] 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.[5]

Michigan Virtual Student Learning Fast Facts for 2023-24

- Over 18,000 students benefited from taking an online course through *Michigan Virtual*.
- Over 34,500 student enrollments were delivered to students.
- On average, students take less than two virtual courses with *Michigan Virtual* during a school year.
- About 54% of Michigan LEA Districts used *Michigan Virtual* for student courses.
- Students enrolled in 274 different online courses out of 293 course titles offered.
- *Michigan Virtual* had 14,456 students who took one or two teacher-led virtual courses. This group of students had a pass rate of 82%. There were 2,555 students who took three or more teacher-led virtual courses, and their pass rate was 74%. The overall pass rate for *Michigan Virtual* teacher-led courses was 79%, which was 14 percentage points higher than the statewide virtual pass rate for the prior year.
- *Michigan Virtual* also served over 900 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 18,463 unique students took online courses with *Michigan Virtual* in 2023-24. This includes 17,011 students in teacher-led courses, 903 students in Collaborative Partner sections, 50 students in external EdReady courses, and 659 students in enrichment/pilot courses. 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 the first sentence of this paragraph. There were 160 students enrolled in both *Michigan Virtual* teacher-led and Collaborative Partner sections. Students enrolled in external EdReady courses offered in local districts were not included in the counts since these schools enroll directly with EdReady rather than through the *Michigan Virtual* systems.

Enrollments

During the 2023-24 school year, *Michigan Virtual* supported 34,591 student enrollments. This included:

- 32,414 MV teacher-led Plus, Advanced Placement®, and Essentials enrollments
- 50 external EdReady enrollments
- 1,375 Collaborative enrollments in online courses taught by local district teachers
- 93 NetAcademy enrollments
- 659 enrichment/pilot enrollments

On average, students using *Michigan Virtual* teacher-led courses took 1.9 courses, and Collaborative Partner students averaged 1.5 courses. Excluding external EdReady enrollments, the overall average number of courses taken by students was 1.9.

Districts

Student enrollments in MV teacher-led Plus, Advanced Placement®, Essentials, Collaboratives, and NetAcademy courses came from 361 Michigan districts including 290 local education agency districts (LEA districts), 29 public school academy districts (PSA districts), three intermediate school districts (ISDs), and 32 nonpublic schools. Based on data from the Center for Educational Performance and Information's (CEPI) Educational Entity Master website,[6] we calculated that the target population for each was 56 ISDs, 538 LEA districts, and 287 PSA districts. There were also 685 nonpublic schools. Using these counts as estimates for the 2023-24 school year, *Michigan Virtual* served approximately 5% of the ISDs, 54% of the LEA districts, 10% of the PSA districts, and 5% of the nonpublic schools with student courses. A list of Michigan districts served in 2023-24 is included in Appendix A, Figure 1.

Michigan schools accounted for 31,687 enrollments within the Student Learning Portal, with the number of enrollments from a school ranging from a single enrollment to 1,586 enrollments. For *Michigan Virtual* teacher-led course enrollments, Michigan schools accounted for 30,312 enrollments with an average number of enrollments per school of 85. In addition to serving Michigan schools, *Michigan Virtual* generated 90 enrollments from 10 non-Michigan schools. *Michigan Virtual* also had 2,105 enrollments from Michigan and non-Michigan parents or guardians directly enrolling their children in online courses. Students in 75 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 274 different online courses with *Michigan Virtual,* with 260 of those coming from MV teacher-led Plus, Advanced Placement® (AP), Essentials, Collaboratives, and NetAcademy courses. These online courses included titles offered during the fall, spring, and summer. The list included core academic courses specifically aligned with the MMC, AP courses, credit recovery courses, cybersecurity and networking courses through NetAcademy Cyber Training Institute, enrichment courses and EdReady external courses. These online courses included those developed by *Michigan Virtual* as well as courses and content licensed from nationally recognized providers. Most courses (76%) were offered at the high school level, though 42 online courses were specifically available for elementary/middle school students, including 16 enrichment courses and 12 external EdReady courses. A listing of the 260 Plus, AP, Essentials, Collaboratives, and NetAcademy online courses used by Michigan districts and students during 2023-24 is available in Appendix A, Figure 3.

Pass Rates

Michigan Virtual had a 79% course pass rate for the year in its teacher-led courses (consisting of Plus, AP, Essentials, and NetAcademy), which was 14 percentage points higher than the statewide virtual pass rate for the prior year.[7] Of the 32,507 attempted *Michigan Virtual* teacher-led enrollments, 31,516 were from students who finished or remained enrolled in the course through the last day for a 97% completion rate. In terms of course success, 25,799 of the 32,507 enrollments earned 60% or more of the total course points for an overall pass rate of 79%.

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 2023-24, *Michigan Virtual* served over 14,000 students who took one or two teacher-led virtual courses. Those students had a pass rate of 82%.

Michigan Virtual has continued to see some schools reach out for assistance with far greater numbers of enrollments per student. This school year, *Michigan Virtual* served 2,555 students who took three or more teacher-led virtual courses, and their pass rate was 74%.

Table 1 below shows how student pass rates 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 or Two Courses	Students Taking Three or More	Overall
English Language and Literature	74%	61%	67%
Life and Physical Sciences	84%	78%	82%
Mathematics	82%	62%	74%
Social Sciences and History	89%	81%	86%
All Subject Areas	**82%**	**74%**	**79%**

Appendix A, Figure 4, shows the *Michigan Virtual* pass rate for each subject area. A full list of the 2023-24 *Michigan Virtual* student pass rates by course title is also provided in Figure 3 of Appendix A. Pass rates also varied by district. Of the 290 Michigan LEA districts that enrolled students in *Michigan Virtual* teacher-led courses, 109 districts (38%) had a district-wide pass rate of 90% to 100%. An additional 81 districts (28%) had a pass rate of 80% to 90%. Thus, over 65% of LEA districts had a pass rate of 80% or greater when using *Michigan Virtual* teacher-led courses. There were 41 districts that had pass rates of less than 60%. Of those, 28 had double digit enrollments. Eight of those 41 districts had pass rates of less than 10%, and seven districts had a single enrollment. Figure 5 of Appendix A includes a chart displaying the distribution of district pass rates.

Current Initiatives

Michigan Virtual provides ongoing professional development for a growing number of internal and external teachers. Our full-time instructors delivered a series of live webinar sessions during the 2023-24 school year to continue to build and align teaching practices across a diverse group of educators. Topics included an accessibility workshop, questioning techniques, digging into student data using Insights, putting additional resources to work, building meaningful feedback, AI workshop, guardian communication strategies, pathways to inclusion, motivating reluctant learners, inciting curiosity showcase, embracing DEI, pursuing excellence goals, sticky situations, spring cleaning your resources and providing support workshops.

As an organization serving students across the state, *Michigan Virtual* is focused on providing student success supports. The Student Learning Services team has been working to ensure we can better serve students with Individualized Education Programs (IEPs) and 504 plans. Having completed the technology development to support IEPs and 504s, we focused on training teachers to use these resources and properly document accommodation logs to ensure students were receiving the supports they needed.

In 2023-24, *Michigan Virtual* developed a new online version of Pre-Algebra for 8th Grade Mathematics, a survey of multiple world languages for the middle grades, as well as AP U.S. Government and Politics. We

also developed two information technology electives for high school students, Mobile App Design with MIT App Inventor and Video Game Design with Java.

Michigan Virtual also partnered with four other online course content providers to expand course offerings for middle school and high school students. New middle school titles included Middle School Physical Fitness, Middle School Music of the World, and STEM Tools for the Future (with TinkerCAD). Further, additions to the high school catalog included an Advanced Placement course, AP European History, and five new career interest elective courses, including Aeronautics and Space Travel, Career Explorations in Finance and Banking, Career Exploration in Healthcare, History of Gaming and eSports, and Principles of Architecture.

As part of *Michigan Virtual*'s efforts to continuously improve and assure online course quality, 10 courses were reviewed and certified by Quality Matters, an independent, third-party nonprofit organization, for conformance to national standards of online course quality. Five additional courses have also been submitted to Quality Matters this fiscal year and are pending completion of review and certification.

Professional Learning

Professional Learning in Michigan

Professional learning in Michigan is undergoing significant changes, shaped by evolving expectations, legislative mandates, and the increasing complexity of supporting those who serve our children. This includes, for instance, the more than 114,000 Michigan teachers and over 12,000 administrators, but also the over 240,000 substitutes, paraprofessionals/aides, and non-instructional staff who staff K-12 schools across the state.[8] These professionals must be equipped with the tools and training necessary to meet these demands.

Recent legislative changes have introduced new requirements that highlight the need for robust, continuous professional learning programs. Some of these updates include:

- Michigan's new dyslexia legislation requires educators to complete training designed to help identify and support students with dyslexia. This mandate emphasizes the importance of targeted professional learning that provides teachers with actionable strategies to address literacy challenges effectively.[9]
- Updated policies call for experienced educators to mentor early-career teachers. To ensure these mentorships are effective, mentors must receive comprehensive training that equips them with the skills to support new teachers' growth and development.[10]
- Paraprofessionals, essential in supporting students—particularly those with special needs— require ongoing training in areas such as behavior management, instructional strategies, and inclusive practices.[11]
- In response to growing concerns about school safety, Michigan has mandated that all educational support staff participate in training programs covering:[12]
    - Emergency Preparedness: Protocols for responding to various emergency situations.
    - Crisis Intervention: Techniques for effectively managing crises within the school setting.

Without sustained investment in professional development, educators and support staff may struggle to meet these heightened expectations. Training cannot be sporadic or reactionary—it must be ongoing, accessible, and aligned with Michigan's most pressing needs.

Frequently, professional learning is delivered in a group setting and focused on one topic that may or may not be applicable to educators expected to be in attendance. Recent research from Psychology Today cites evidence that shows that professional learning may be more impactful when it is focused and not simply a one size fits all approach, but more personalized.

> "Effective and equitable education cannot take a one-size-fits-all approach if it is to benefit the millions of diverse students out there—each one with their own unique skills, supports, potential, and challenges. So, it makes little sense to expect the professional learning tools and techniques that guide how teachers instruct and engage students to follow a generic model." [13]

Considering this research, *Michigan Virtual* offers over 300 professional development opportunities on our Professional Learning Portal, and offers face-to-face, and blended learning options. *Michigan Virtual* values quality professional learning and has prioritized the success of education professionals in the 2025-2030 strategic plan.

> "Michigan sits on top of an unprecedented need for talent development. We will scale our professional learning services while providing positive experiences that people want to tell their friends and colleagues about. We will accomplish this by partnering with Michigan organizations and others whose work directly or indirectly impacts students, education personnel, or the educational system. We will offer high-quality, in-person and online options that reach more than 100,000 learners while maintaining fidelity, affordability, and designing with all learners in mind." [14]

As we adapt to the evolving education landscape, it is important that we provide flexible, accessible, and high-quality professional learning that supports educators in every aspect of their work, providing an array of options and personalized delivery models.

Barriers and Opportunities for Professional Learning

As outlined above, *Michigan Virtual* has identified the importance and impact that quality professional learning can have on student success. Having equitable access to professional learning is paramount to increasing outcomes across the state; whether one lives in the Upper Peninsula or in a more urban area, every educator should be given the opportunity to improve their professional practices. In considering barriers and opportunities for professional learning, *Michigan Virtual* has identified a list of possible barriers and opportunities to professional learning in the state. While professional learning is essential for the ongoing development of educators, several barriers hinder the effective delivery and access to these opportunities across Michigan.

Barriers

1. **Inequities in Access to High-Speed Internet**: One of the most significant challenges in expanding online professional learning is the lack of reliable internet access in many rural and underserved areas. According to the Michigan High-Speed Internet Office, over 212,000 Michigan households do not have the option to access high-speed internet and an "additional 865,000 households face barriers related to affordability, adoption, or digital literacy." [15] This digital divide limits access to professional development and perpetuates broader educational inequities. While much has been done to rectify these inequities, especially in the wake of the Covid pandemic, there is a fear that resources offered during the pandemic are no longer available yet concerns with high-speed access remain, especially with regards to rural areas.

"By 2022, student access in rural Michigan began to decline. Today, many more students are disconnected than during the height of the crisis. The downward trend is likely to continue as resources from pandemic emergency measures diminish."[16]

This lack of access to high-speed internet not only impacts the students living in these locations, but also the educators who work and live in these communities. Without broadband access, these educators do not have the same opportunities as educators who are able to access online options in learning.

2. **Expiration of Pandemic Funding:** In recent years, districts have received an increase in funding due to pandemic relief dollars, however this funding is expiring and while the state education budget has increased, it is unlikely to continue at the historic amounts seen in the past two years.[17] With overall funding decreases, districts may allocate a smaller portion of their budgets to professional learning to prioritize essential staffing and operational costs. With potential layoffs, remaining teachers may face new challenges requiring them to adapt without any dedicated support, including training on new digital tools, leading to a regression in digital fluency and innovative practices. Compounding these financial challenges is the significant learning loss experienced by Michigan students during the pandemic. A study by researchers at Harvard and Stanford universities found that, as of 2023, Michigan students remained nearly half a grade behind in math and reading. The state's recovery in these areas lagged behind most others, with Michigan's progress surpassing only five states in reading and ranking 17th out of 28 states in math recovery.[18] Addressing this learning loss requires sustained investment in professional development to equip educators with effective strategies and tools. Without dedicated support, teachers may struggle to implement necessary interventions, potentially exacerbating the academic setbacks caused by the pandemic.

3. **New Federal Accessibility Requirements:** The Department of Justice has updated regulations under Title II of the Americans with Disabilities Act to mandate that all state and local government entities, including K-12 schools, ensure web content, mobile applications, and digital materials are accessible to individuals with disabilities. This means that districts will be required to provide alternative text for images, ensuring compatibility with screen readers, and offering captions for multimedia content.[19] Also included in these updates is to provide equal access to all educational benefits offered online or in digital formats, this applies to classroom content, learning management systems, and other digital resources.[20] For teachers and administrators, these updated requirements mean a change in how they deliver, design, and manage content. This includes all lesson materials, handouts, slides, videos and supplemental materials are accessible to all students either through a screen reader or transcriptions. There will be a need for educators to be trained on the basic principles of accessibility and how to use assistive technology. These professional learning opportunities should be continuous to ensure compliance with federal regulations and to serve all students.

4. **AI Technology and its Impact on Teaching and Learning:** A survey conducted by Common Sense Media and Harvard Graduate School of Education shows that 51% of young people ages 14-22 have used generative AI.[21] With the increased use of Generative AI tools by students, it is important to equip teachers with the knowledge and skills to guide students in the responsible and effective use of these technologies. Teachers face several challenges with regards to the use of AI Tools including academic integrity, data privacy, and bias in AI generated content. A survey conducted by the Pew Research center revealed that around a quarter of teachers believe that tools like ChatGPT do more harm than good.[22] In opposition to these findings, a report by the World Economic Forum indicates that AI aptitude is becoming as crucial as traditional experience when hiring. The study identifies a trend where employers

prioritize AI competencies alongside conventional qualifications.[23] These findings showcase a very diverse view of AI and its impact on the classroom.

Opportunities

To overcome these barriers, Michigan can take several strategic actions that expand access and improve educators' professional learning quality.

1. **Expanding Broadband Access:** Expanding broadband access presents a challenge and a transformative opportunity for Michigan's educational system, especially in the context of professional development. Addressing broadband inequities and bridging the digital divide could serve as a foundation for reimagining how professional learning is delivered to educators across the state, fostering equitable access for both rural and urban communities. Although internet access limitations remain a pressing issue, they highlight a chance to partner with organizations committed to expanding broadband infrastructure and providing mobile-friendly learning options, ensuring that professional development reaches educators who may lack reliable access.

Collaborative efforts between Michigan's educational organizations and broadband providers are key to improving internet access in underserved areas. Partnerships with digital equity initiatives, such as those supported by the Federal Communications Commission's Emergency Connectivity Fund, have demonstrated measurable success in expanding connectivity for educational purposes. These collaborations aim to bridge the digital divide, enabling more students and educators to benefit from reliable internet access necessary for teaching and learning. Another possible short-term solution for limited broadband access could be to create mobile friendly professional learning options. Research indicates that mobile-optimized content can significantly increase accessibility for educators in low-bandwidth areas.[24]

2. **Expiration of Pandemic Funding:** While the expiration of funding is a challenge, there is an opportunity to shine a light on the importance of professional learning for educators and its impact on student success. One way to offset the cost of professional learning is to incorporate on-demand and hybrid learning for professional development, this offers flexibility and cost savings by reducing the need for in-person sessions. This approach allows teachers to access training at their own pace and focus on areas directly relevant to their roles. Organizations like *Michigan Virtual* offer a wide range of online courses and resources for educators, which can be scaled to reach more teachers without significant cost increases. Through partnerships with other organizations, the state can create new options in online and hybrid learning, bringing experts in their fields to share best practices with those who work with students to ensure lower costs and quality professional learning.

3. **New Federal Accessibility Requirements**: With the latest federal accessibility requirements, educators and administrators are now more than ever obligated to ensure that learning environments are accessible to every student, regardless of disability. These mandates underscore a shared responsibility among Michigan's educational leaders, including *Michigan Virtual*, to support educators in implementing these standards effectively. These new requirements are designed to create inclusive learning spaces where every student can access educational content without barriers. By providing teachers with robust training in accessibility tools and protocols, we are enabling schools to meet these standards, fostering an inclusive learning environment that empowers all students.

Technology training not only benefits students with disabilities but also broadens the technological skills of educators. Exposure to a range of tools—such as screen readers, closed-captioning software, and adaptive devices—strengthens teachers' overall technology proficiency. As educators integrate these tools into their teaching, they gain valuable skills that can be applied across various aspects of instruction, benefiting all students, including those without disabilities.

In addition to federal accessibility requirements, Michigan's new dyslexia bill mandates that schools take proactive steps to identify and support students with dyslexia.[25] This legislation calls for educators to be trained not only in identifying signs of dyslexia early on but also in using tools and strategies that help dyslexic students succeed. By investing in dyslexia-specific training, educational leaders can ensure that teachers are equipped to meet the needs of students with dyslexia effectively, fulfilling the requirements of the new bill while promoting equitable learning opportunities.

Professional learning on accessibility and dyslexia training is therefore a critical need. Training supports teachers in meeting the latest federal and state requirements, enhances instructional quality, and ensures that Michigan's schools are equipped to foster inclusive learning environments that benefit all students.

4. **AI and its Use in the Classroom:** Teachers are encountering new challenges with AI, including concerns over academic integrity, data privacy, and AI bias. While some educators remain cautious, training can help educators manage these concerns constructively. Providing educators with practical AI training ensures they have the skills to guide students in using AI responsibly, protecting both their academic integrity and privacy.

To support the development of essential skills in AI for teachers, school leaders will also be required to develop their own knowledge and skills around AI implementation. *Michigan Virtual's* K-12 AI Integration Framework[26] provides a roadmap for the intentional implementation of AI in schools that leaders can use to assess their knowledge, develop their visions influenced by local communities, and plot a trajectory from exploration of AI to implementation and eventually innovation. Supporting leaders through intentional training, support, and resource development will be critical in how teachers and students develop their competencies in leveraging new tools and processes harnessing AI.

AI literacy is fast becoming a sought-after qualification, essential for today's job market. By equipping teachers with AI training, we empower them to prepare students for a workforce that values AI knowledge. This investment ensures students graduate with a skill set that aligns with modern employer expectations, boosting both their employability and readiness for technology-driven roles.

Funding AI training for educators is a strategic investment in Michigan's educational system. This training ensures that educators are equipped to navigate the complexities of AI, from ethical concerns to practical application, while preparing students with essential skills for the workforce. By supporting this work, we are aligning Michigan's educational goals with technological progress and preparing both students and teachers for a future where AI competency is indispensable.

Conclusion

As we look to the future, *Michigan Virtual* will continue to play a vital role in shaping the professional learning landscape, providing the tools and opportunities educators need to thrive and, ultimately, meet and exceed the needs of their students. Our dedication to accessible, flexible, and impactful learning will drive us forward in helping Michigan's education system meet its most pressing challenges.

Michigan Virtual Professional Learning Fast Facts for 2023-24

- More than 117,000 adult learners took one or more professional learning courses through *Michigan Virtual*, a year over year increase of 23%.
- These learners produced over 342,000 professional enrollments, the equivalent of over 730,000 professional learning hours, a year over year increase of 34%.
- From these hours, *Michigan Virtual* processed over 312,000 State Continuing Credit Hours (SCECHs) in MOECS, a year over year increase of 16%.
- Educators were affiliated with 100% of the state's ISDs, 99% of the LEA districts, 95% of the PSA districts, and 76% of the nonpublic schools.
- *Michigan Virtual* partnered with over a dozen organizations to offer professional learning opportunities that aligned to their member's training needs.
- *Michigan Virtual* received nearly 117,500 responses to an end of course survey with 96% of respondents being highly satisfied with their experience.

Learners

Michigan Virtual served more than 117,000 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: 7,897
- Child Care Provider: 8,499
- Mentor: 1,080
- School Board Member: 29
- School Counselor: 1,756
- Support Staff: 21,007
- Teacher: 55,452
- Other: 24,121
- Not Declared: 5,727

Districts

Professional enrollments from learners who reported working in a Michigan school district came from 56 ISDs, 531 local education agency districts (LEA districts), 273 public school academy districts (PSA districts) and 518 nonpublic schools. Based on data from the Center for Educational Performance and Information's (CEPI) Educational Entity Master website,[27] we calculated that the target population for each was 56 ISDs, 538 LEA districts, 287 PSA districts. There were also 685 nonpublic schools.

Using these counts as estimates for the 2023-24 school year, *Michigan Virtual* served approximately 100% of the ISDs, 99% of the LEA districts, 95% of the PSA districts, and 76% of the nonpublic schools with professional courses.

One ISD, one college/university, 40 LEA districts, 12 PSA districts, and four nonpublic schools 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 across 380 different course titles. More than 105,000 enrollments came from courses developed through a partnership with the Michigan Department of Education. Over 51,000 enrollments stemmed from compliance courses educators took to maintain their teaching certificates or perform their job functions. Almost 34,000 enrollments were provided in Essential Instructional Practices in Early Literacy K-3, Prekindergarten, and School and Center-wide courses. Over 47,000 enrollments came from courses covering Social-Emotional Learning. Almost 18,000 enrollments occurred in courses addressing blended and online teaching and learning. Finally, *Michigan Virtual* provided over 3,100 enrollments in counseling courses related to college preparation and selection, as well as advising on military options.

Michigan Virtual also served as one of, if not the, largest SCECH provider in the state. Of the more than 342,000 enrollments, almost 201,000 enrollments were completed in SCECH courses for a total of around 641,000 hours. Not all learners need their SCECHs processed, so the total number of SCECH hours processed in MOECS by *Michigan Virtual* between October 1, 2023 and September 30, 2024 was over 312,000.

Professional Learning Activities and Coursework

This year, *Michigan Virtual* has seen overwhelming growth in our professional learning portal, with over 117,000 users accessing our platform. Along with user growth, we have witnessed enrollments of over 342,000 in our course offerings. As students engage in new flexible ways of learning, we are seeing an increased interest in professional learning specifically with regards to teaching in an online or virtual environment.

In response to the need for quality professional learning for online educators, *Michigan Virtual* has developed an Online Teaching and Learning (OTL) Program that provides comprehensive professional development for educators seeking to enhance their online and blended instruction skills. The OTL program awards micro-credentials representing 80 hours of learning, ensuring a robust and practical experience for participants. To make these courses more accessible to educators, we have also created micro-versions of our OTL courses called "Sprints," which focus on bite-sized professional learning opportunities for just-in-time learning and application.

Michigan Virtual continues to deliver impactful professional development programs for educators in the K-12 space and to all those who impact students' lives from birth and beyond. This includes supporting school resource officers, childcare providers, early childhood educators, counselors, and administrators. *Michigan Virtual* is committed to partnering with new educational groups to serve districts and support all staff.

Michigan Virtual recognizes the diverse and evolving challenges that educators face today. To support them in this rapidly changing landscape, we provide comprehensive professional learning opportunities that address integrating new technologies and other essential topics such as student engagement, instructional strategies, classroom management, and equity in education. Our platform offers various courses to equip educators with the necessary tools to create inclusive, effective learning environments.

Partnering with subject matter experts, we ensure that our content is grounded in research and best practices, enabling educators to enhance their skills and impact in-person and online classrooms. Below is a list of a few of the offerings *Michigan Virtual* created this year.

- #GoOpen: Open Educational Resources in Michigan (2023)
- Build Trust Through Positive Interactions - Apply Your Skills
- Comprehensive History Series
- Danielson Calibration Assessment
- Designing a Blended Classroom: Apply Engaging Practices
- Dive into OER
- Empowering Education with Web 3: A Primer for Educators
- Engaging Multilingual Families
- Health Science/Health Occupations eResources in MeL
- Interactive Reading and Multilingual Learners
- K12Connect Math Micro-Credentials
- Let Them Lead: Strategies for Student-Centered Classrooms
- MDE Assessment Security 2023/2024
- Michigan Education Association
- Michigan Learning Channel: A Free Tool for Summer Learning
- Michigan Virtual Skills Sprint Course Suite (10)
- Michigan's Child Care Center Administration Business Series
- New: Bloodborne Pathogens Training – ASL version
- Online Teaching and Learning Micro-Credentials Level 1 & 2
- PD in a Box
- Unconscious Bias for Educators

Michigan Virtual continues to gather user feedback to provide the best learner experience possible. We continuously consider new delivery methods and create timely and applicable content for education. Learners can share feedback with us in several ways—course surveys, our customer care team, and submitting course content feedback through our online ticketing system. 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. Users can select from sub-options, including Content Bias, Content Error, and Content Design Issue. Tickets flagged with these indicators will be reviewed by our Director of Customer Care and our Senior Director of Professional Learning. This information on the online course standards, how to file a complaint about course content, and detailed steps for review and resolution are also included on the *Michigan Virtual* website.

Michigan Virtual is committed to providing high-quality professional development for all Michigan educators. Our current *Michigan Virtual* offerings meet WCAG 2.0 accessibility standards, but we are working to become compliant with WCAG 2.1 in the near future. By making our courses accessible, we ensure that every educator can benefit from valuable professional learning, regardless of their needs. This also serves as a model for educators, highlighting the importance of using accessible materials to create inclusive learning environments for all students.

Michigan Virtual also actively collects feedback from its users. Between October 1, 2023 to September 30, 2024, we collected over 117,500 end of course survey responses with 96% of respondents being highly satisfied with their experience. Here are just a few pieces of feedback from our satisfied users:

- "The layout of this course was easy to follow, nearly every link worked appropriately, and the information provided was real world and timely. I am impressed with the depth and breadth (sic) of the information provided and the opportunities for professional reflection within. I will highly recommend this course." (Understanding the Modern Military)
- "Overall Experience in the Michigan Virtual PLP I was highly satisfied with the experience of taking this course in the Michigan Virtual PLP. The best part of the experience was the flexibility it offered. The ability to access course materials and complete assignments at my own pace was incredibly beneficial. Additionally, the support provided by the instructors and the interactive nature of the online platform made the learning experience engaging and effective." (Health and Safety for Licensed Child Care Providers, Module A)
- "The activities and assignments are directly applicable to what I do every day. It is always good to be reminded of best practice and to have opportunities to practice these ideas and strategies." (OTL Level 1: Grading and Feedback)

Partnerships to Reach Educational Professionals

Partnerships between *Michigan Virtual* and various educational entities are vital for expanding access to high-quality professional development for educators across Michigan. *Michigan Virtual* broadens its reach by collaborating with schools, districts, educational organizations, and higher education institutions, ensuring educators have the resources and training necessary to enhance teaching and learning. These collaborations foster the exchange of innovative ideas, align efforts with state educational goals, and ultimately strengthen educators' capacity to support student success.

2023-2024 partnerships are listed in alphabetical order:

- Blue Cross Blue Shield
- Future of Learning Council
- Michigan ASCD
- 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 Department of Lifelong Education, Advancement, and Potential
- Michigan Education Association (MEA)
- Michigan Elementary and Middle School Principals Association
- Michigan State Police
- Michigan State University
- The Danielson Group
- The Regional Educational Media Center Association of Michigan (REMC)
- US Army

A few of these partnerships are expanded upon below.

A critical partnership with the Michigan Association of Intermediate School Administrators (MAISA) focuses on delivering critical training on literacy essentials, equipping educators with the tools to foster early literacy development. Recognizing challenges such as limited access to online content in group settings, *Michigan Virtual* implemented a solution where facilitators work directly with participant groups, providing guidance and support. This approach allows for deep engagement with the material, fostering discussions with literacy coaches that enhance understanding and practical application. Furthermore, by awarding SCECHs outside the traditional online system, educators can gain professional recognition while benefiting from a flexible and collaborative learning environment. This partnership successfully blends in-person interaction with the convenience of online resources, ensuring impactful learning experiences for Michigan's educators.

Another notable collaboration is with the REMC Association, through which *Michigan Virtual* offers a free course on Open Educational Resources (OER). This course provides educators with essential training on Creative Commons licensing and the legal and practical use of educational content. By differentiating between OER and free content, educators gain the skills to revise, remix, and apply OER in their classrooms, driving innovation and accessibility across the state. This partnership empowers educators to bring transformative learning opportunities to their students while promoting the effective use of shared educational resources.

Building partnerships to provide accessible learning is integral to *Michigan Virtual*'s mission of promoting educational equity. Through a collaboration with the Michigan Department of Education (MDE), *Michigan Virtual* offers an ASL version of the Bloodborne Pathogens (BBP) Training for educators; this ensures that deaf and hard-of-hearing educators can access essential training, reinforcing *Michigan Virtual*'s commitment to inclusivity and accessibility in professional learning.

Michigan Virtual's dedication to accessibility extends to its partnership with the Danielson Group, where they provide administrator training on teacher evaluation. Together, they have updated the content to meet WCAG 2.0 accessibility standards, ensuring that all administrators can engage with this vital training regardless of ability. This collaboration reflects a shared commitment to creating inclusive professional development that supports effective teacher evaluation practices.

In furthering its efforts to serve diverse educator populations, *Michigan Virtual* partnered with MiLEAP to build an early childhood education business series, offering English, Spanish, and Arabic courses. This initiative supports educators in early childhood settings by providing professional learning in multiple languages, ensuring that all educators, regardless of language proficiency, have access to critical resources and training.

Through these strategic partnerships, *Michigan Virtual* continues to expand access to high-quality, inclusive professional development that empowers educators across Michigan to drive student success.

Looking to the Future

As we look ahead, *Michigan Virtual* remains steadfast in its commitment to delivering equitable, accessible, and innovative professional learning for educators across Michigan, guided by our strategic plan. In line with our mission and vision, our focus on supporting educators is supported by a strategy that emphasizes not only adapting to evolving educational demands but proactively shaping the future of professional learning through targeted initiatives.

Central to our strategic vision is the growth and enhancement of our professional development program, where we strive to empower educators with flexible, accessible learning that addresses the needs of today's classrooms. Through expanding partnerships, exploring new technologies, and investing in alternative pathways, we are bridging professional development gaps and driving sustainable change. We remain committed to inclusivity, ensuring that every educator—regardless of background or location—has access to high-quality, relevant learning opportunities.

In the coming years, *Michigan Virtual* is eager to lead in transforming Michigan's professional learning landscape. By aligning our growth with the goals outlined in our strategic plan, we will continue working with our partners and stakeholders to provide educators with the tools, resources, and support necessary to foster student success.

Research Institute

Section 98 of the State School Aid Act[28] 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.

Through September of 2024, *MVLRI* continued to explore and test the application of artificial intelligence and machine learning in developing and deploying instructional content and to share our findings. In Fall and Spring semesters, MVLRI worked on building instructor dashboards that would allow more instructor visibility and control over the suggested recommendations and communications being suggested for students. Over 9,700 students participated in this version of the pilot receiving bi-weekly communications from the system. MVLRI also ran a pilot around the Khan Academy AI tutor "Khanmigo" in Spring 2024, focused on Algebra 1. Nineteen teachers from 14 districts across the state and 687 students participated to better understand how AI tutors might assist in helping students master Algebra.

MVLRI continues to support *Michigan Virtual*'s participation as a contributing member in 1EdTech. Building off the experience last year, where *Michigan Virtual* explored the use of the Trusted Apps Certified Leader certification by sending one leader to pursue the certification, multiple staff members from *Michigan Virtual* have been certified in the Trusted Apps Certified Leader program.

Michigan Virtual continues to offer an expanding suite of experiences on STEAM-related topics for middle school aged students through direct enrollment by parents. These enrichment experiences are provided year-round, but with a focus on synchronous options during school breaks, such as holiday breaks, as well as spring break at the end of March and early April. Enrichment titles include:

- 21st Century Home Economics
- Beginning Your Fitness Journey
- Content Creator
- Digital Self: Who Are You Online?
- Exploring Military Careers
- Intro to Esports

- Investigating Medical Careers: Biotechnology Research and Development
- Investigating Medical Careers: Diagnostic Services
- Investigating Medical Careers: Health Informatics
- Investigating Medical Careers: Support Services
- Investigating Medical Careers: Therapeutic Services
- Navigating the World of Adolescence
- Roblox: Intro to Game Design
- Smartphone Photography
- Thinking and Drawing Like an Artist
- Understanding Human Relationships and Behavior

Michigan Virtual continued publishing blog posts and other resources exploring the potential impact of digital learning tools on teaching and learning. These include (listed in chronological order):

- AI, Learning and Performance [29]
- Highlights from the 2023 AI Summit [30]
- Essentialism in the Age of GenAI [31]
- Faster vs Better: Finding the Best Opportunities for AI in Education [32]
- A Structured Approach to AI Integration: A Roadmap for the 24-25 School Year [33]
- Sample Guidance on Staff Use of Generative AI for K-12 School Districts [34]
- Current Day Examples of Student AI Use [35]
- Understanding Educator Roles: AI Support and Implications [36]

In Spring 2024, *Michigan Virtual* launched, with Thinkist, an online peer tutoring program in Muskegon Public Schools. This program provided the opportunity for high school students enrolled in a TE101 class through Michigan State University at their local school, to work with middle school students as peer tutors. Through Spring, the tutors went through a level 1 and 2 tutor credentialing program and used an online tutoring platform to connect with their tutees from Muskegon. Students reported a positive impact on their own learning strategies and dispositions to learning as a benefit of participating in the tutoring program and participants also highlighted that education as a career pathway appeared more viable after engaging in the program.

In Fall 2024, *Michigan Virtual* and the Michigan Elementary and Middle School Principals Association launched a pilot with Shoelace Learning, which provides a digital learning tool for K-5 focused on reading comprehension. Seven schools and thirteen teachers started implementing the use of Dreamscape, Shoelace Learning's product, in early Fall and will be continuing use through the 2024-25 school year. *Michigan Virtual Learning Research Institute* will be conducting research on the use of Shoelace Learning with students to document efficacy of the pilot for potential broader implementation in partnership with MEMSPA.

As a contributing member of 1EdTech (formerly IMS Global), *Michigan Virtual* actively participated in both the Statewide Programs and the Learning Innovation networks. As part of that work *Michigan Virtual* team members contributed to the shaping of 1EdTech's data privacy standards, including the soon to be released AI data privacy guidelines for school districts. This work helps 1EdTech as a standard defining organization to significantly influence the interoperability and safety of educational technologies that facilitate seamless integration of diverse learning systems and tools that protect end users and schools.

Through 2024, *Michigan Virtual* continued work from the previous year in preparing courses for delivery to other Learning Management Systems (LMS). A new LMS was selected as a platform for this purpose, Agilix Buzz. Using their Publish Anywhere feature, courses can be seamlessly delivered into other LMS platforms. Through 2024, *Michigan Virtual* migrated a total of 40 existing student courses to the new platform for delivery to local schools. Initial pilots were launched with two local schools using courses delivered in this new format, with initial positive feedback. Plans are underway to migrate additional courses and content for delivery and expand the pilot to more schools in the 2024-2025 school year.

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

To better understand how educators are engaging with professional learning and the course offerings available through *Michigan Virtual,* a study using surveys and data from *Michigan Virtual's* Professional Learning Portal was conducted. The study leveraged this data to gain insights into educator engagement in pedagogically focused courses. Additionally, course offerings were examined to identify any patterns in the offerings. The report, *Evaluating Professional Learning Course Offerings and Educator Engagement,*[37] was published in November 2023. A follow-up report published in July 2024 titled *Maximizing Professional Learning through Educators' Perceptions of Utility and Self-Efficacy in Pedagogy-Focused Courses*, [38] investigated teachers' confidence in themselves (self-efficacy) and perceptions about the utility of information learned in PL course offerings. Participants generally believed quite a bit in their abilities to engage in student-focused and assessment-focused pedagogical behaviors. Just under half of the participants indicated plans to directly implement what they've learned. These publications help provide guidance focused on aligning PL offerings with educators' needs.

Michigan Virtual continued the collaboration with Dr. Kerry Rice and Dr. Andy Hung from Boise State University for 2023-2024. This past year, researchers reviewed the accuracy of predictive models and discussed practical applications of the model in *Michigan Virtual* courses.

Because research has shown that relationship-building and communication are critical for students in online courses, *Michigan Virtual* designed and conducted a mixed-methods study to analyze teachers-student communication patterns within the first four weeks of a course. A review of communication and relationship-building best practices was incorporated into the report to help align theory and practice. The report, *Starting Strong: Understanding Teacher-Student Communication in Online Courses*, [39] published in September 2024, found that beliefs about best practices and actual usage were highly aligned. These practices included a welcoming tone, clear expectations, personalized feedback, prompt responses, and empathy. While teachers were flexible with students' preferred communication methods, they primarily used the Student Learning Portal, Brightspace, and email. Communication was largely centered around providing reminders and feedback to students, alongside replying to student-initiated communication. Providing personalized, specific, and constructive feedback was highlighted as a best practice for building relationships.

Michigan Virtual continued the collaboration with Dr. Jacqueline Zweig. Dr. Zweig conducted an analysis to understand the factors influencing whether students take AP exams. The research found that higher course grades and course subjects were associated with exam participation. However, other factors beyond grades also contribute to student achievement. This analysis helps *Michigan Virtual* reflect on its courses and improve support for AP students. Her findings are published on the *Michigan Virtual* blog, in a post titled *Using AP Exam Data to Drive Discussions About AP Courses*. [40]

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.

Michigan Virtual staff continue to serve on the National Standards for Quality Online Learning leadership team. In this capacity, staff provide overall direction and recommendations to the group work on the standards. Staff moderated an NSQ panel at a conference in February that focused on how to apply the standards in practices and the work being done to refresh them.

In addition, a *Michigan Virtual* staff member served as a national co-chair for the revision of the National Standards for Quality Online Programs. This work includes designing and conducting several focus group interviews of virtual school/program leaders from across the nation, and then leading work group teams through the process of formally revising the standards based on the recommendations of the focus groups.

As part of its work with the Virtual Learning Leadership Alliance, *Michigan Virtual* led the development of a formal, virtual learning program accreditation process that could be used by schools and districts within Michigan and across the nation to assess the extent to which their programs measure up to the National Standards for Quality Online Learning Programs.[41] The accreditation process was successfully piloted with three virtual schools during this year, leading to the formal launch of the accreditation program throughout the nation. *Michigan Virtual* personnel serve in a leadership role within this accreditation process.

With the development of the virtual learning program accreditation process completed, the *Michigan Virtual* consulting team revised the process and documentation necessary for enabling free online program self-assessments to Michigan schools. This revised free online self-assessment tool, now closely aligned with the accreditation process, is being actively promoted and shared statewide with Michigan schools through a formal marketing and promotion campaign.

Michigan Virtual continues to recommend that cyber and online providers use the *National Standards for Quality Online Learning*[42] and the free online self-assessment tool for monitoring and evaluating quality.

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 fiscal year for which funding is allocated under this section.

The annual *Michigan's K-12 Virtual Learning Effectiveness Report*[43] was published, and a transmittal letter and infographic were mailed to required stakeholders, including superintendents and high school and middle school principals. The report is important because it:

- Uses the data Michigan K-12 schools reported to the state as part of the 2022-23 MSDS collection.

- Covers students who take one virtual course all the way up to and including students who take 100% of their courses online.
- Represents all virtual options including home-grown and those contracted for with private businesses, colleges/universities, or non-profit providers.
- Includes over 80 data tables that school leaders, researchers, and policy makers can use to benchmark virtual learning success.

Key findings from the report include:

- Over 159,000 K-12 students took virtual courses in 2022-23, accounting for over 1 million virtual course enrollments.
- Local Education Agencies (LEAs) provided 64% of all virtual enrollments with Public School Academies (PSAs) adding 34%.
- Sixty-eight percent of enrollments came from students in high school grades.
- The pass rate for virtual courses was 65%.
- Fifty-two 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.
- Sixty-eight Michigan school districts reported having virtual enrollments.
- About 11% of all K-12 students in the state took a virtual course.

In addition to the report, *Michigan Virtual* posted an infographic[44], a recorded presentation[45], and a benchmarking tool[46] 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, including professional development for employees in child care facilities, early childhood facilities, and after-school programs. Not later than December 1 of each fiscal year for which funding is allocated under this section, 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 include both of the following:

(A) The identification of barriers and other opportunities to encourage the adoption of virtual learning in the public education system.

(B) A link to, and explanation of, the Michigan Virtual University's online course standards for professional development programming. The standards described in this sub-subparagraph must inform learners how to file a complaint about course content and detail the steps that will be taken for the review and resolution of complaints.

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.

Michigan Virtual continues to maintain its suite of six *Guides to Online Learning.*[47] These guides provide digital learning research, effective practices, and free resources for schools to enhance their programs. To ensure widespread awareness and accessibility, *Michigan Virtual* executes an annual promotional campaign consisting of a blend of blogs, insightful publications, engaging infographics, and social media outreach.

Michigan Virtual, in collaboration with the Virtual Learning Leadership Alliance (VLLA), investigated effective strategies used by virtual programs and teachers to support disengaged and struggling students, noting significant overlap with strategies for all students and highlighting the critical roles of parental and mentor support, intervention, and communication. Published in June 2024, *Key Strategies for Supporting Disengaged and Struggling Students in Virtual Learning Environments* covers strategies employed by experienced virtual teachers, programmatic supports, professional development sources, and considerations for supporting virtual learners and is available on the *Michigan Virtual* website.[48]

A three-part blog series explores course pacing from different perspectives. The first blog post, *Solving the Pacing Puzzle: What We Know About the Importance of Student Pacing in Online Courses*,[49] explained

the relationship between assignment submission patterns and final course grades, highlighting how navigating a course in its intended order is associated with higher final grades. The second post, *Solving the Pacing Puzzle: Supporting Student Progress in K-12 Online Programs*, [50] explores how *Michigan Virtual* addresses course pacing challenges and develops effective pacing guides to support student learning. Through intentional decisions made by online program administrators and support from both online teachers and on-site mentors, students are guided and supported to stay on pace in their online courses. The final blog in the series, *Solving the Pacing Puzzle: Course Design and Technical Considerations for Pacing In K-12 Online Learning*, [51] discussed design choices, LMS capabilities and limitations, and the overall importance of course pacing from the perspectives of course designers and technology operations staff. This series, published in spring 2024, provides insight into how to holistically support students' pacing needs in online courses.

Out of Order, Out of Reach: Navigating Assignment Sequences for STEM Success [52] examined how the order of students' assignment submissions was related to their final grades in STEM courses. Most students submitted assignments out of order at least once, and this was not beneficial for their final grade. Students who submitted at least one assignment out of order had grades that were 9.5 points lower than students who did not submit anything out of order. This publication reinforces the importance of encouraging proper pacing.

Michigan Virtual collaborated with Dr. Aman Yadav on a series of research projects that explore the experiences of students in online Computer Science courses. This series of research targeted students' self-efficacy in Computer Science and identified areas to increase course outcomes of traditionally underserved students. A brief write-up of Dr. Yadav's research is available on *Michigan Virtual's* Digital Backpack Blog. [53]

The professional learning course *Let Them Lead: Strategies for a Student-Centered Classroom*[54] was launched in July 2024. The course guides learners through the pillars of student-centered learning and showcases successful stories from Michigan schools to help educators cultivate a student-centered classroom where every voice matters. In the course, learners discover practical strategies, tools, and activities that foster an environment where students thrive as they take the lead in their learning.

Michigan Virtual was also active at state and national education conferences as a thought leader and partner to Michigan education groups. *Michigan Virtual* attended 29 conferences, partnering with 16 key education groups. During the 23-24 school year, staff presented 51 professional learning sessions to educators, school leaders, and board members at conferences. Our Executive Team had nine public speaking opportunities at these conferences, introducing key speakers and our services to the conference participants. The newly formed AI Lab within the *Michigan Virtual* Learning & Research Institute presented an additional 123 sessions or speaking engagements during the 23-24 school year to over 7,000 participants. Presentation and outreach at these events included sharing our resources and experience with research-based online learning, artificial intelligence, school redesign, mental health awareness, and professional learning for educators.

(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 2023, *Michigan Virtual* submitted five recommendations to address current virtual learning issues. They included:

- Support AI Lab Expansion
- Support K-12 Cybersecurity Infrastructure and Training Initiatives
- Expand Access to Career & Technical Education (High School)
- Require Virtual Learning Accountability and Transparency
- 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 continued to maintain the K-12 Online and Blended Clearinghouse for the 2023-24 year. *Michigan Virtual* maintained the existing clearinghouse website[55] and added additional resources to the website throughout the fiscal year. Currently, the nationally recognized clearinghouse acts as an aggregator of K-12 online and blended research and key publications. To date, there are over 1,300 resources cataloged in the clearinghouse. On a quarterly basis, *Michigan Virtual* emailed a clearinghouse newsletter to the *MVLRI* mailing list.

- Winter 2023 Clearinghouse Newsletter (December)[56]
- Spring 2024 Clearinghouse Newsletter (March)[57]
- Summer 2024 Clearinghouse Newsletter (July)[58]
- Fall 2024 Clearinghouse Newsletter (September)[59]

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

Instructional design guidelines and standards are in the Research Clearinghouse[60] tagged under the keywords "instructional design" and "standards." Five new instructional design-specific resources were added to the Clearinghouse in 2024. A brief description of the resources is included below.

> Kumar, S., Gunn, A., Rose, R., Pollard, R., Johnson, M., & Ritzhaupt, A. (2024). The Role of Instructional Designers in the Integration of Generative Artificial Intelligence in Online and Blended Learning in Higher Education. *Online Learning, 28(*3). https://doi.org/10.24059/olj.v28i3.4501

The purpose of this exploratory research study was to examine the roles instructional designers (IDs) in higher education play in the integration of generative Artificial Intelligence (GenAI) into their organizations, and how they use GenAI technologies in their own professional practices. Data were collected from 15 participants in the southeastern United States (U.S.) in an ID role or with similar job titles (e.g., educational technologist).

Wiley, K., Dimitriadis, Y., & Linn, M. (2023). A human-centered learning analytics approach for developing contextually scalable K-12 teacher dashboards. *British Journal of Educational Technology, 55*(3). https://doi.org/10.1111/bjet.13383

Preparing future teachers with virtual teaching competencies that can be applied to blended or fully online settings has long challenged teacher education programs. The need for this preparation has been made increasingly apparent by global events, advances in technology, and the shifting landscape of K-12 education. Therefore, this study examined the efficacy of a fully online, 10-day course aimed at preparing teacher candidates for virtual teaching.

Weng, X., Ye, H., Dai, Y., & Ng, O. (2024). Integrating Artificial Intelligence and Computational Thinking in Educational Contexts: A Systematic Review of Instructional Design and Student Learning Outcomes. *Journal of Educational Computing Research*, *62*(6), 1640-1670. https://doi.org/10.1177/07356331241248686

A growing body of research is focusing on integrating artificial intelligence (AI) and computational thinking (CT) to enhance student learning outcomes. Many researchers have designed instructional activities to achieve various learning goals within this field. Despite the prevalence of studies focusing on instructional design and student learning outcomes, how instructional efforts result in the integration of AI and CT in students' learning processes remains unclear.

Hase, A. & Kuhl, P. (2024). Teachers' use of data from digital learning platforms for instructional design: a systematic review. *Educational Technology Research and Development, 72*. https://link.springer.com/article/10.1007/s11423-024-10356-y

Data-based decision-making is a well-established field of research in education. In particular, the potential of data use for addressing heterogeneous learning needs is emphasized. With data collected during the learning process of students, teachers gain insight into the performance, strengths, and weaknesses of their students and are potentially able to adjust their teaching accordingly.

Drost, B. R. & Levine, A. C. (2024). The Alternative Narrative: When Digital Learning Worked During the Pandemic. *Journal of Education.* https://doi.org/10.1177/00220574241249454

From late spring of 2020 to the present, the U.S. educational conversation about learning in K-12 public schools during the pandemic has been about the fact that students did not learn as much, widening the achievement gap due to digital learning. Some K-12 public schools and school districts have reported no learning loss. This exploratory study examined elements shared by teachers, administrators, and parents that accounted for potential reasons why these individual K-12 public school districts did not experience the learning loss during digital learning that has been at the center stage of the narrative about educational experiences during the pandemic.

Michigan Virtual had over 900 enrollments in its online courses aligned to the *National Standards for Quality Online Courses*.[61] Course titles included:

- 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)

These four courses also equip educators with the knowledge and skills necessary for effective online content creation for their students.

Michigan Virtual has continued to offer other professional learning courses that support Michigan educators in learning and apply instructional design best practices. There is a series of courses on Universal Design for Learning in the catalog including Intro to Universal Design for Learning: Action & Expression, Intro to Universal Design for Learning: Engagement, and Intro to Universal Design for Learning: Representation. Other instructional design-related courses included So You Want to Be an Instructional Designer?, Instructional Practices with Technology, and Blended Classroom Design.

Three presentation proposals focused on instructional design best practices were submitted to Michigan-based conferences this year.

- *Assessment Intelligence: Exploring AI's Impact on Assessment* was submitted to the 2023 MACUL / *Michigan Virtual* AI Summit.
- *Building a Communicative World Language Course* was submitted to MACUL 2024 Conference.
- *Inclusive Engagement: Using Universal Design for Learning (UDL) to Spark Excitement, Tackle Challenges, and Motivate Learners* was submitted to the MACUL 2024 Conference.

Michigan Virtual has also actively contributed to the DLAC conference by presenting on various critical topics, including professional development opportunities for educators in the field of Online Teaching and Learning. The DLAC session provided an overview of the 8 micro-credential *Michigan Virtual*-developed Online Teaching and Learning (OTL) professional learning courses. These NSQ-aligned courses are designed to enhance educators' skills in delivering effective online instruction. We continue to encourage educators to explore the NSQ standards, which serve as valuable guidelines for assessing and lifting student progress within the online classroom environment. The DLAC presentation highlighted the structure, content, and objectives of the OTL courses, emphasizing their role in supporting educators to adapt to digital and hybrid teaching environments. The session also discussed the importance of continuous professional development in the evolving landscape of online education. *Michigan Virtual*'s Online Teaching and Learning professional learning series is the first of its kind to be offered statewide via *Michigan Virtual*'s Professional Learning Portal.

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.

Throughout the academic year, *Michigan Virtual* worked with the following universities to discuss implementation and improvements in effective virtual learning instruction through meetings, presentations, and requests for guidance:

- Central Michigan University
- Grand Valley State University
- Michigan State University
- University of Michigan
- Wayne State University

Representatives of *Michigan Virtual's* AI Lab have also given presentations or held meetings with the following stakeholders and conference organizers on the topic of AI in education:

- Michigan Open Education Resource Network
- The University of Olivet
- Michigan State University Research Foundation
- Central Michigan University's EdTech Faculty group
- Baker College
- Michigan Academic Library Association
- Grand Valley State University
- Cleary University

Multiple higher education organizations attended the December 2023 AI Summit hosted by *Michigan Virtual* and MACUL. Among the participants, panelists, and presenters represented were:

- Arizona State University
- Central Michigan University
- Michigan State University

The 2024 edtech innovation bootcamp and pitch contest programs were launched in April 2023, with the Bootcamp held in June and the pitch contest in July. *Michigan Virtual* partnered with Spartan Innovations at the Michigan State University Research Foundation and SBDC Michigan to develop and host these programs. Students, faculty, and staff at other Universities across the state were eligible to participate.

Dr. Stefanie Marshall, from the University of Minnesota's College of Education and Human Development, Dr. Matthew Koehler, from Michigan State University's College of Education, and Dr. Rick Ferdig from Kent State University served on the Innovation Advisory Council for the 2023-24 year.

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

In Spring 2024, MVLRI began to develop a set of new AI micro-credentials that are currently in development based upon the Artificial Intelligence (AI) Integration Framework for School Districts. The list of micro-credentials will include:

- Leadership and Vision
- Policy, Ethical and Legal Considerations
- Instructional Framework
- Learning Assessments
- Professional Learning (level 1 completed)
- Student Use
- Business and Technology Operations
- Outreach

The next micro-credentials that will be deployed will be "AI Integration Framework for School Districts: Investigating Policy, Ethical, and Legal Considerations" and "AI Integration Framework for School Districts: Student Use."

Grand Valley State University's K-12 Connect program also released their literacy tutoring micro-credentials for public use through the *Michigan Virtual* Professional Learning Portal in Fall 2022. New GVSU K-12 Connect micro-credentials were worked on over the past year in targeted content areas.

To continuously benefit efforts in supporting school districts with the latest research and understanding of best practices in competency-based, technology-rich virtual learning models, *Michigan Virtual* maintains membership in multiple national-level organizations that advocate for and support digital learning at the K-12 level, including:

- Aurora Institute – Personalized learning
- 1EdTech (formerly IMS Global) - Educational technology standards
- Digital Learning Collaborative – Online and virtual learning
- NROC – High quality digital learning resources
- Quality Matters – High quality digital learning courses
- Virtual Learning Leadership Alliance – Statewide K-12 virtual programs

Michigan Virtual continued to provide support and resources to the Future of Learning Council which has grown to a membership of 42 LEAs, 2 PSAs, and 9 ISD/RESAs from across Michigan in the 2023-24 school year. This included planning and implementing monthly professional learning meetings, most held at the *Michigan Virtual* building throughout the year. Topics covered during these sessions explored creating innovative personalized competency-based learning (PCBL) environments, designing innovative instructional frameworks, and providing time for districts to work with their leadership teams on envisioning the future of education. In April, *MVLRI* offered 45 educators from FLC district leadership teams the opportunity to travel to the ASU+GSV Summit through a grant program from the summit sponsors. Participants see this opportunity as an invaluable opportunity to connect, network, and learn about policy, investment, and thought leadership at a national level in relation to the future of learning.

The following are quotes from the superintendents who participated in the ASU+GSV 2024 Summit:

- "The ASU + GSV Summit was by far the most impactful professional development experience I have received. The guest speakers provided relevant insights into what the future career pathways might look like."
- "An event unlike any other, this is an opportunity to engage with thought leaders, visionaries, and tech leaders focused on making the future real. It's not a conference where you go to find 'the answer,' but rather an event you attend to be challenged in how you connect the possible with your staff and students."
- "We talk about Michigan leading the way in education, but leading means to go first. We need to encourage risk taking, fund efforts that enhance teaching and learning, and continue to build a coalition with ASU+GSV and start the hard work of leading our nation in education."
- "The future of the educational landscape is changing so quickly. District leaders would benefit greatly from being able to participate in the global experience of what the future of education looks like by getting involved in the ASU+GSV Summit. It is truly an amazing collaboration of educators, investors, and technology to benefit the future of learning for all!"

In May 2024, *Michigan Virtual* co-sponsored a "Future of Learning Summit" for 108 FLC members and non-members focused on new technologies such as AI and personalized competency-ed learning

frameworks. Sessions ranged from implementing competency-based learning to integrating artificial intelligence.

The following list is the 2023-24 list of participating LEAs, PSAs, and ISD/RESAs in the Future of Learning Council.

- Adrian Public Schools
- Alcona Community Schools
- Anchor Bay School District
- Avondale School District
- Bay City Public Schools
- Berrien RESA
- Berrien Springs Public Schools
- Bloomfield Hills Schools
- Calumet/Laurium/Keweenaw Public Schools
- Carrollton Public Schools
- Chelsea School District
- Clinton County RESA
- Concord Community Schools
- Croswell-Lexington Community Schools
- Dexter Community Schools
- DeWitt Public Schools
- Eaton RESA
- Elkton-Pigeon-Bay Port Laker Schools
- Farmington Public Schools
- Farwell Area Schools
- FlexTech High Schools
- Frankenmuth School District
- Fraser Public Schools
- Genessee ISD
- Gibraltar School District
- Godfrey-Lee Public Schools
- Goodrich Area Schools
- Grand Ledge Public Schools
- Grosse Ile Township Schools
- Grosse Pointe Public School System
- Haslett Public Schools
- Hillman Community Schools
- Holly Area Schools
- Ingham ISD
- Kenowa Hills Public Schools

- Kentwood Public Schools
- Laingsburg Community Schools
- Lincoln Consolidated Schools
- Meridian Public Schools
- Michigan Assessment Consortium
- *Michigan Virtual*
- Milan Area Schools
- Muskegon Area ISD
- Muskegon Public Schools
- Newaygo Public Schools
- Newaygo County RESA
- Oakland Schools
- Okemos Public Schools
- Orchard View Schools
- Ottawa Area ISD
- Owosso Public Schools
- Perry Public Schools
- Pewamo Westphalia Community Schools
- Plymouth-Canton Community Schools
- Port Huron Area School District
- Portland Public Schools
- Potterville Public Schools
- Redford Union School District
- Reeths-Puffer Schools
- Relevant Academy
- Saginaw ISD
- Saline Area Schools
- Shiawassee RESD
- St. Clair County RESA
- Traverse City Area Public Schools
- Washtenaw ISD
- Wyoming Public Schools
- Yale Public Schools
- Ypsilanti Community Schools

To better support Michigan's K-12 districts around the adoption of AI, *Michigan Virtual* launched two communities of practice focused on AI and Learning, one for school districts and the other as a Statewide

AI Workgroup. Both groups met monthly, with one group meeting five times to learn and discuss issues related to AI's impact on learning in general, and the other group meeting three times to focus on district leadership considering the advancements and access to AI. Participating districts were:

K-12 District Community of Practice

- Chelsea School District
- Dexter Community Schools
- Farmington Public Schools
- Gibraltar School District
- Grosse-Ile Township Schools
- Holly Area Schools
- Ingham ISD
- Kentwood Public Schools
- Milan Area Schools
- Ottawa Area ISD
- Portage Public Schools
- Saline Area Schools

Statewide AI Workgroup

- American Federation of Teachers Michigan
- Michigan ASCD
- Michigan Association for Computer Users in Learning
- Michigan Association of Intermediary School Administrators
- Michigan Association of Nonpublic Schools
- Michigan Association of Public-School Academies
- Michigan Association of School Administrators
- Michigan Association of School Boards
- Michigan Association of Secondary School Principals
- Michigan Department of Education
- Michigan Education Association
- Michigan Elementary and Middle School Principals Association
- Michigan School Business Officials
- Regional Education Media Center Association of Michigan

Michigan Virtual released its *AI Integration Framework for K-12 School Districts* and accompanying *Planning Guide* in August of 2023.[62] The framework and guide are designed to assist education leaders in thinking holistically about AI integration, including crucial considerations across eight key areas, and assisting school district leaders in understanding their progress in AI integration efforts, from investigating, to implementing, to innovating. In October 2024, the Office of Educational Technology for the U.S. Department of Education recognized the framework and guide as one of four leadership frameworks K-12 education leaders should look to when making plans for adoption of AI in schools.[63]

In December 2023, *Michigan Virtual* hosted, in partnership with MACUL, its first AI Summit for Michigan educators. Attendees included teachers, technology coaches and directors, building and central administrators, and other leaders from across Michigan trying to stay up to date on the rapidly advancing

field of AI and develop positive approaches to AI implementation in their own settings. A second Summit is scheduled for December 2024.

The 2024 edtech pitch competition and innovation bootcamp programs were launched in April 2024. The mission of the Michigan EdTech Innovation Pitch Contest & Bootcamp is to encourage and support innovative thinking by those in Michigan's education ecosystem, helping them develop and share business ideas that have the potential to advance learning and teaching using existing technology or the development of new technology. The pitch contest and related supports were focused on helping innovative educators refine and build on their idea for a business that can improve learning and teaching through existing or new technologies. The Bootcamp is designed to help participants further explore and develop a business model around their business idea while also introducing them to resources and supports that are available to entrepreneurs and innovators in Michigan and strategies for integrating lessons in innovation and entrepreneurship in their schools and classrooms. *Michigan Virtual* partnered with the Michigan State University Research Foundation and SBDC Michigan to bring best-in-class innovation and entrepreneurial support to participants in these programs.

Michigan Virtual continued to work with several national-level organizations to provide opportunities for Michigan school districts to gain access to cutting-edge learning technologies in a safe and responsible manner through pilots and communities of practice. These include two national educational technology investment firms and several cutting-edge companies leveraging AI to personalize learning.

- Global Silicon Valley – A multi-stage venture capital firm focused on the $7+ trillion global education and workforce skills sector.
- LearnLaunch - Investors in diverse change makers building impactful and scalable edtech companies serving grades K through 12, higher education and workforce training.
- Discourse Analytics – AI systems to leverage existing organizational data to curate a unique understanding, engagement, and activation of its learners to drive improved learning outcomes.
- Khan Academy – A nonprofit providing a free, world-class education for anyone, anywhere.
- Thinkist – A public benefits company that takes a systems-wide approach to peer tutoring for schools and districts that want to provide accessible academic support.

Michigan Virtual engaged in training several staff for the 1EdTech Trusted Apps Certified Leader certification. Seeing value in process discussions around recommended adoption of the program throughout Michigan districts is underway.

From private business, Thomas Arnett, Senior Education Research Fellow at the Christensen Institute, and Lucie Howell, former Chief Learning Officer at The Henry Ford, both participated on the Innovation Advisory Council in 2023-2024.

Finally, *Michigan Virtual* continued to offer 40 competency-based online courses to districts through the professional learning portal to enable educators to explore competency-based learning in a professional learning context.

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 an established Mentor Advisory Committee that provides a valuable feedback loop and establishment of best practices to share out among the many mentors we serve. In addition, the *Michigan Virtual* Mentor Manager serves to provide training, technical assistance, and additional support to mentors across the state. As part of this service, a monthly publication is provided to all mentors opting in that is focused on best-practices derived from research and our mentor advisory members.

Michigan Virtual also hosted an annual mentor conference in the late fall to bring members together for shared learning. An additional second conference has been added to encourage mentors from programs aside from our own to participate.

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.

During the 2023-24 school year, *Michigan Virtual* held focus groups with students from four schools across Michigan. One of these focus groups was focused specifically on course design and student experiences with our course content. Members of our Instructional Product Development team attended to hear first-hand feedback from students. Two other focus groups were held with students in our online courses. These also focused on the course experience, but more broadly to also include feedback on course selection, experience with instructors, and experience with getting support when needed. Finally, our fourth focus group was completed with a group of students who participated in a peer tutoring program. These students shared their views on the program and how serving as a peer tutor impacted their own academic skills and future career interests.

Surveys completed at the conclusion of courses provide valuable insights into the experiences of students and professionals, helping us better meet their learning needs. *Michigan Virtual* offered all enrollees in student and professional courses a voluntary web-based survey at the end of each course, focusing on their online learning experience. From October 1, 2023, to September 30, 2024, the student survey received 14,445 responses, while the professional learner survey collected 117,444 responses. Overall, 88% of students and 96% of professionals reported being highly satisfied with their online course experience at *Michigan Virtual*. Each survey had a response rate of over 40%.

Our mentors play a critical role in providing valuable insights and suggestions for program improvement. To gather their feedback, we conducted surveys at the end of the fall semester (January 2023) and the spring semester (May 2023). The fall survey garnered 67 responses, while 46 responses were collected after the spring semester. The feedback focused on course content, instructor performance, and system functionality, informing programmatic adjustments designed to enhance both the mentor and student experience. Additionally, we convened the Mentor Advisory Board in October and April, with both sessions receiving strong attendance and active participation.

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.

The Consumer Awareness resource[64] is available as an important link on the About page of Michigan's Online Course Catalog.[65] The report includes sections devoted to background, providers, delivery models, performance data, cost structures, research trends, conclusions, and resources. Including the Consumer Awareness resource as part of Michigan's Online Course Catalog provides high visibility for parents, students, and schools exploring Section 21f options. Data on areas such as the school districts that are putting courses in the catalog, the distribution of courses by ISD, PSA, LEA, and *Michigan Virtual*, and disaggregation by key variables such as who is providing the content or the instructor, were updated in the fall and spring to reflect the changes in those two enrollment windows.

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 continues to provide leadership to Michigan's #GoOpen initiative. This initiative aims to provide educators with training to use open educational resources. Along with partnering to provide professional learning in open educational resources, *Michigan Virtual* continues to cover the cost of maintenance for the #GoOpen Hub. The Michigan #GoOpen hub serves as a platform for educators to find and share Open Educational Resources, which provides educators with materials that can be adapted and built upon to create customized learning materials. This hub allows for an exchange of resources as well as offering options to connect with educators around the state. Additionally, the #GoOpen Hub provides the Open Author tool to help educators publish their own materials that can then be submitted and used by other educators around the state.

Michigan Virtual partnered with Questionwell, an AI assessment tool, as an internet-based platform to create formative assessment assets that could be shared in Michigan #GoOpen. To date, we have extended a free license to over 100 Michigan educators, and 88 of those educators are actively building and exporting question sets using the tool.

In the 2024-2025 school year, work continued to prepare *Michigan Virtual* courses for delivery to local schools' Learning Management Systems (LMS). A new platform was selected for this work, Agilix Buzz, which can deliver full courses to other LMSs for integration. After an initial period of testing and verification, *Michigan Virtual* worked with an outside vendor to support the migration of 40 courses to the Buzz platform for delivery to local schools. Full courses include all content, assignments and assessments. Two schools are piloting courses received in Fall 2024 with initial feedback positive.

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 use internal and external resources to update and maintain functionality of the Michigan Online Course Catalog.[66] *Michigan Virtual* staff members solicit and act on user feedback to ensure an efficient and accessible user experience and to support current course catalog needs. Several third-party vendors and admins in existing districts were given training and support with adding their online courses. *Michigan Virtual* also sent out the performance data communication request and uploaded received results to the statewide catalog.

Michigan Virtual 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.[67] 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 2023-24, there were over 900 enrollments in these courses.

Michigan Virtual submitted a total of 12 courses to Quality Matters review in FY2024. Courses submitted included Algebra 1, AP Macroeconomics, AP Microeconomics, Business Ethics, Environmental Science, First Nations: A History of Indigenous Peoples of the Americas, Journalism (Introduction), Mathematics of Personal Finance (Dual Credit), Middle School English Language Arts 6, Middle School Math 8: Pre-Algebra, Middle School World History and Geography, and Spanish 2. To date, eleven of the courses submitted have received certification, while one currently remains in the review process.

Michigan Virtual has continued to maintain its Section 21f resources[68] on its website.

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 Michigan's Online Course Catalog, 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.[69] *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 a modified version of the Danielson Rubric for evaluations of its roughly 275 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 conducts individual conversations with each teacher to talk through practical suggestions, professional development recommendations, additional guidance, and answer any questions they may have. Throughout the year, course "walk-through" reviews were conducted by department leads and instructional coaches to further develop instructor capacity and feedback loops. The results of these evaluations are submitted through the CEPI REP process monthly.

Michigan Virtual continues to support the ongoing refinement of the National Standards for Quality Online Learning.[70] We recommend leaders of virtual learning programs use the standard sets to evaluate the quality of their programs, courses, and teachers. We also recommend use the Virtual Benchmarking Tool[71] as a way to leverage state data to better understand how well a program is performing in comparison to other Michigan schools that serve similar populations.

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 *MVLRI*.

Appendix A - Michigan Virtual Student Enrollment Data

Figure 1. 2023-24 Districts Served by Michigan Virtual with Student Online Courses

ISDs (5%)

Lenawee ISD
Northwest Education Services
Washtenaw ISD

LEA Districts (54%):

Adrian Public Schools
Airport Community Schools
Akron-Fairgrove Schools
Allegan Public Schools
Allen Park Public Schools
Allendale Public Schools
Alma Public Schools
Almont Community Schools
Anchor Bay School District
Ann Arbor Public Schools
Armada Area Schools
Avondale School District
Baldwin Community Schools
Bath Community Schools
Battle Creek Public Schools
Bay City School District
Beal City Public Schools
Bear Lake Schools
Beaver Island Community School
Beaverton Schools
Belding Area School District
Bellaire Public Schools
Bellevue Community Schools
Bentley Community School
   District
Benzie County Central Schools
Berkley School District
Berrien Springs Public Schools
Big Bay De Noc School District
Birch Run Area Schools
Birmingham Public Schools
Bloomfield Hills Schools
Boyne City Public Schools
Brandywine Community Schools
Breckenridge Community
   Schools

Breitung Township School
   District
Bridgman Public Schools
Brighton Area Schools
Brimley Area Schools
Brown City Community Schools
Bullock Creek School District
Byron Area Schools
Byron Center Public Schools
Cadillac Area Public Schools
Caledonia Community Schools
Carman-Ainsworth Community
   Schools
Caro Community Schools
Carson City-Crystal Area Schools
Caseville Public Schools
Cass City Public Schools
Cedar Springs Public Schools
Charlevoix Public Schools
Charlotte Public Schools
Chassell Township School
   District
Cheboygan Area Schools
Chelsea School District
Chesaning Union Schools
Chippewa Hills School District
Chippewa Valley Schools
Clare Public Schools
Clarkston Community School
   District
Clinton Community Schools
Clio Area School District
Coloma Community Schools
Colon Community School District
Concord Community Schools

Constantine Public School
   District
Coopersville Area Public School
   District
Crawford AuSable Schools
Dearborn City School District
Delton Kellogg Schools
DeWitt Public Schools
Dexter Community School
   District
Dollar Bay-Tamarack City Area
   Schools
Durand Area Schools
East China School District
East Grand Rapids Public
   Schools
East Jordan Public Schools
East Lansing School District
Eastpointe Community Schools
Eaton Rapids Public Schools
Edwardsburg Public Schools
Elk Rapids Schools
Ellsworth Community School
Engadine Consolidated Schools
Escanaba Area Public Schools
Farmington Public School District
Fennville Public Schools
Fenton Area Public Schools
Flushing Community Schools
Forest Area Community Schools
Forest Hills Public Schools
Fowler Public Schools
Fowlerville Community Schools
Frankenmuth School District
Frankfort-Elberta Area Schools

Freeland Community School District

Fremont Public School District

Fruitport Community Schools

Fulton Schools

Galesburg-Augusta Community Schools

Gaylord Community Schools

Gibraltar School District

Gladstone Area Schools

Glen Lake Community Schools

Gobles Public School District

Grand Haven Area Public Schools

Grand Ledge Public Schools

Grandville Public Schools

Grass Lake Community Schools

Greenville Public Schools

Grosse Ile Township Schools

Grosse Pointe Public Schools

Gull Lake Community Schools

Hamilton Community Schools

Harbor Springs School District

Harper Creek Community Schools

Harrison Community Schools

Hartford Public Schools

Hartland Consolidated Schools

Haslett Public Schools

Hastings Area School District

Hemlock Public School District

Holland City School District

Holly Area School District

Holt Public Schools

Houghton-Portage Township School District

Howell Public Schools

Hudson Area Schools

Hudsonville Public School District

Huron School District

Huron Valley Schools

Ida Public School District

Inland Lakes Schools

Ionia Public Schools

Ithaca Public Schools

Jackson Public Schools

Jenison Public Schools

Johannesburg-Lewiston Area Schools

Kalamazoo Public Schools

Kaleva Norman Dickson School District

Kearsley Community School District

Kelloggsville Public Schools

Kenowa Hills Public Schools

Kent City Community Schools

Kentwood Public Schools

Kingsley Area Schools

L'Anse Area Schools

L'Anse Creuse Public Schools

Laingsburg Community Schools

Lake Fenton Community Schools

Lake Linden-Hubbell School District

Lake Shore Public Schools (Macomb)

Lakeshore School District (Berrien)

Lakeview Public Schools (Macomb)

Lakeview Sch. District (Calhoun)

Lakewood Public Schools

Lamphere Public Schools

Lawton Community School District

Leland Public School District

Les Cheneaux Community Schools

Leslie Public Schools

Lincoln Consolidated School District

Linden Community Schools

Litchfield Community Schools

Livonia Public Schools School District

Lowell Area Schools

Ludington Area School District

Mackinac Island Public Schools

Mackinaw City Public Schools

Madison School District (Lenawee)

Manchester Community Schools

Manistee Area Public Schools

Manistique Area Schools

Marlette Community Schools

Marquette Area Public Schools

Marshall Public Schools

Marysville Public Schools

Mason County Central Schools

Mason Public Schools (Ingham)

Mattawan Consolidated School

Mayville Community School District

Memphis Community Schools

Michigan Center School District

Midland Public Schools

Milan Area Schools

Millington Community Schools

Monroe Public Schools

Montabella Community Schools

Montague Area Public Schools

Morrice Area Schools

Napoleon Community Schools

Negaunee Public Schools

Niles Community Schools

North Branch Area Schools

North Central Area Schools

North Dickinson County Schools

North Muskegon Public Schools

Northport Public School District

Northview Public Schools

Northville Public Schools

Novi Community School District

Oakridge Public Schools

Okemos Public Schools

Olivet Community Schools

Onaway Area Community School District

Oscoda Area Schools

Otsego Public Schools

Ovid-Elsie Area Schools

Owosso Public Schools

Oxford Community Schools

Paw Paw Public School District

Pennfield Schools

Pentwater Public School District
Perry Public Schools
Pickford Public Schools
Pinckney Community Schools
Plainwell Community Schools
Plymouth-Canton Community Schools
Port Huron Area School District
Portage Public Schools
Portland Public Schools
Potterville Public Schools
Public Schools of Petoskey
Quincy Community Schools
Redford Union Schools, District No. 1
Reed City Area Public Schools
Reese Public Schools
Reeths-Puffer Schools
Richmond Community Schools
Rochester Community School District
Rockford Public Schools
Romeo Community Schools
Roscommon Area Public Schools
Royal Oak Schools
Rudyard Area Schools
Saginaw, School District of the City of
Saline Area Schools
Sand Creek Community Schools
Sandusky Community School District

Saranac Community Schools
Saugatuck Public Schools
Sault Ste. Marie Area Schools
Shepherd Public Schools
South Haven Public Schools
South Lyon Community Schools
South Redford School District
Southgate Community School District
Sparta Area Schools
Spring Lake Public Schools
St. Ignace Area Schools
St. Joseph Public Schools
Standish-Sterling Community Schools
Stockbridge Community Schools
Sturgis Public Schools
Summerfield Schools
Superior Central School District
Suttons Bay Public Schools
Swartz Creek Community Schools
Tahquamenon Area Schools
Tawas Area Schools
Tecumseh Public Schools
Thornapple Kellogg School District
Three Rivers Community Schools
Traverse City Area Public Schools
Trenton Public Schools
Troy School District

Ubly Community Schools
Union City Community Schools
Unionville-Sebewaing Area S.D.
Utica Community Schools
Vicksburg Community Schools
Walkerville Public Schools
Walled Lake Consolidated Schools
Watervliet School District
Waverly Community Schools
Wayland Union Schools
Wayne-Westland Community School District
Webberville Community Schools
West Bloomfield School District
West Branch-Rose City Area Schools
West Iron County Public Schools
West Ottawa Public School District
Western School District
Westwood Community School District
Whitefish Township Schools
Whitehall District Schools
Whitmore Lake Public School District
Williamston Community Schools
Yale Public Schools
Zeeland Public Schools

PSA Districts (10%):

Arbor Preparatory High School
Black River Public School
Blue Water Middle College
Canton Preparatory High School
Casman Alternative Academy
Charyl Stockwell Academy
Concord Academy - Boyne
Countryside Academy
DeTour Arts and Technology Academy
Flextech High School Shepherd

George Washington Carver Academy
Grand River Preparatory High School
Great Lakes Learning Academy
iCademy Global
Island City Academy
Joseph K. Lumsden Bahweting Anishnabe Academy
Kensington Woods Schools
Kingsbury Country Day School
LifeTech Academy

Livingston Classical Academy
Marshall Academy
Ojibwe Charter School
Pansophia Academy
Paragon Charter Academy
Renaissance Public School Academy
Walden Green Montessori
Wellspring Preparatory High School
West Michigan Aviation Academy

Woodland School

Nonpublic Schools (5%):

Academy of Sacred Heart
Ann Arbor Christian School
Auburn Hills Christian School
Cabrini High School
Calvary Baptist Academy
Cardinal Mooney Catholic School
Detroit Christian Schools of Excellence
Divine Child High School
Emerson School
Farber Hebrew Day School - Yeshivat Akiva

Grand Rapids Christian High School
Hackett Catholic Prep
Holland Christian High School
Huda Upper School
Interlochen Arts Academy
Lansing Catholic Central High School
Lansing Christian School
Marian High School
Muskegon Catholic Central
Notre Dame Preparatory School
Rudolf Steiner School of Ann Arbor

Shrine Catholic High School & Academy
South Christian High School
St. Francis High School
St. Gerard School
St. Mary Catholic School-Sault Sainte Marie
St. Mary School-Lake Leelanau
St. Patrick School - Brighton
Traverse City Christian School
Unity Christian High School
Valley Lutheran High School
West Catholic High School

Figure 2. 2023-24 Michigan Virtual ISD, LEA, PSA District and Nonpublic Schools with Student Enrollments
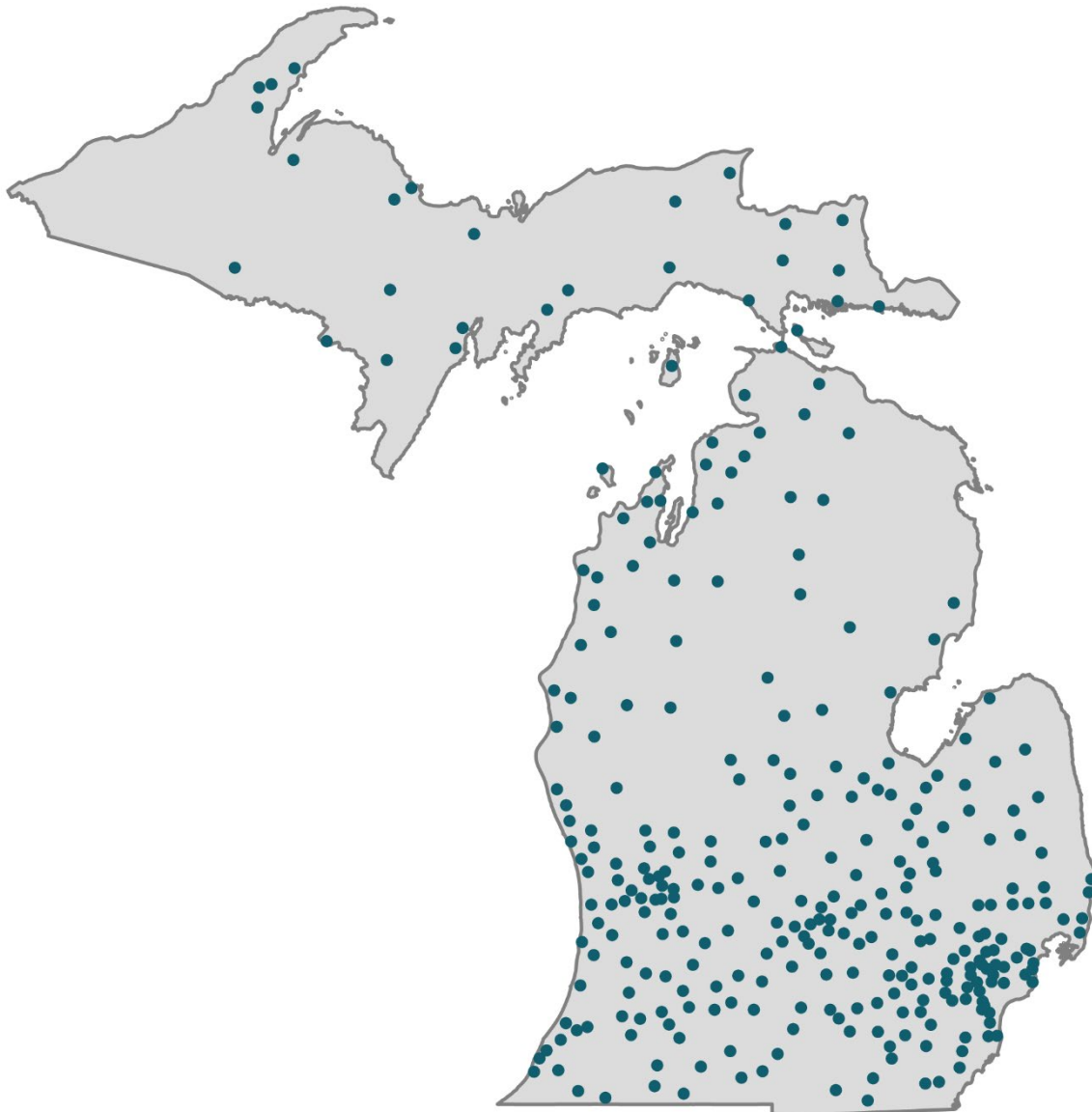
Figure 3. 2023-24 Michigan Virtual Student Courses Offered with Performance Data

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Business and Marketing	Accounting A	166	92%
Business and Marketing	Accounting B	78	83%
Business and Marketing	Business Ethics	331	84%
Business and Marketing	Career Exploration in Finance and Banking	69	91%
Business and Marketing	Entrepreneurship	347	81%
Business and Marketing	Hospitality and Tourism: Traveling the Globe	112	77%
Business and Marketing	Sports and Entertainment Marketing	350	89%
Communications and Audio/Visual Technology	Journalism (Introduction)	101	64%
Engineering and Technology	STEM Tools for the Future (w TinkerCAD)	<10	NR
English Language and Literature	American Literature A - English 11-12	251	71%
English Language and Literature	American Literature B - English 11-12	197	80%
English Language and Literature	AP English Language and Composition (Sem 1)	108	86%
English Language and Literature	AP English Language and Composition (Sem 2)	111	89%
English Language and Literature	AP English Literature and Composition (Sem 1)	55	75%
English Language and Literature	AP English Literature and Composition (Sem 2)	51	92%
English Language and Literature	British Literature A - English 11-12	151	72%
English Language and Literature	British Literature B - English 11-12	139	74%
English Language and Literature	Composition	110	86%
English Language and Literature	Creative Writing: Unleashing the Core of Your Imagination	124	86%
English Language and Literature	English 10A	129	60%
English Language and Literature	English 10B	118	71%
English Language and Literature	English 9A	106	51%
English Language and Literature	English 9B	105	65%
English Language and Literature	Essentials H.S. English 1A	109	52%
English Language and Literature	Essentials H.S. English 1B	74	53%
English Language and Literature	Essentials H.S. English 2A	84	45%
English Language and Literature	Essentials H.S. English 2B	76	72%
English Language and Literature	Essentials H.S. English 3A	69	46%
English Language and Literature	Essentials H.S. English 3B	62	65%
English Language and Literature	Essentials H.S. English 4A	38	84%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
English Language and Literature	Essentials H.S. English 4B	32	66%
English Language and Literature	Language Arts A (6th Grade)	<10	NR
English Language and Literature	Language Arts A (7th Grade)	11	27%
English Language and Literature	Language Arts A (8th Grade)	185	5%
English Language and Literature	Language Arts B (6th Grade)	<10	NR
English Language and Literature	Language Arts B (7th Grade)	18	22%
English Language and Literature	Language Arts B (8th Grade)	39	44%
English Language and Literature	Mythology and Folklore: Legendary Tales	243	80%
English Language and Literature	Reading Strategies: Fields of Reading A	<10	NR
English Language and Literature	Reading Strategies: Fields of Reading B	<10	NR
English Language and Literature	World Literature	64	89%
Health Care Sciences	Career Exploration in Healthcare	136	88%
Human Services	Employability Skills: Personal and Career Readiness	330	79%
Human Services	Future Proud Michigan Educator	35	89%
Information Technology	AP Computer Science A (Sem 1)	167	93%
Information Technology	AP Computer Science A (Sem 2)	153	89%
Information Technology	AP Computer Science Principles (Sem 1)	112	84%
Information Technology	AP Computer Science Principles (Sem 2)	92	92%
Information Technology	Basic Web Design: HTML & CSS	108	77%
Information Technology	CCNA 1: Introduction to Networking	19	53%
Information Technology	CCNA 2: Routing and Switching Essentials	<10	NR
Information Technology	CCNA 3: Enterprise Networking, Security and Automation	<10	NR
Information Technology	Computer Basics (Google Suite)	30	60%
Information Technology	Digital Information Technology	40	85%
Information Technology	Foundations of Programming A	91	91%
Information Technology	Foundations of Programming B	38	95%
Information Technology	History of Gaming and eSports	113	78%
Information Technology	Introduction to Artificial Intelligence	75	95%
Information Technology	Java Programming A	49	71%
Information Technology	JavaScript Game Design	55	82%
Information Technology	Learning in a Digital World: Digital Citizenship	19	53%
Information Technology	Linux Essentials	22	77%
Information Technology	Linux Operating System 1	11	91%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Information Technology	Linux Operating System 2	<10	NR
Information Technology	Mobile App Design with MIT App Inventor	<10	NR
Information Technology	Networking and Cybersecurity Essentials	32	78%
Information Technology	Social Media	331	85%
Information Technology	Video Game Design with Java	40	78%
Life and Physical Sciences	Aeronautics and Space Travel	80	85%
Life and Physical Sciences	Anatomy and Physiology A	192	94%
Life and Physical Sciences	Anatomy and Physiology B	129	90%
Life and Physical Sciences	AP Biology (Sem 1)	84	92%
Life and Physical Sciences	AP Biology (Sem 2)	82	94%
Life and Physical Sciences	AP Chemistry (Sem 1)	53	66%
Life and Physical Sciences	AP Chemistry (Sem 2)	37	78%
Life and Physical Sciences	AP Environmental Science (Sem 1)	138	97%
Life and Physical Sciences	AP Environmental Science (Sem 2)	135	96%
Life and Physical Sciences	AP Physics 1 (Sem 1)	74	80%
Life and Physical Sciences	AP Physics 1 (Sem 2)	60	92%
Life and Physical Sciences	AP Physics 2 (Sem 1)	17	100%
Life and Physical Sciences	AP Physics 2 (Sem 2)	17	94%
Life and Physical Sciences	AP Physics C (Sem 1)	78	82%
Life and Physical Sciences	AP Physics C (Sem 2)	64	91%
Life and Physical Sciences	Astronomy	239	87%
Life and Physical Sciences	Bioethics	161	92%
Life and Physical Sciences	Biology A	197	67%
Life and Physical Sciences	Biology B	191	69%
Life and Physical Sciences	Chemistry A	224	72%
Life and Physical Sciences	Chemistry B	184	77%
Life and Physical Sciences	Earth Science A	210	76%
Life and Physical Sciences	Earth Science B	128	82%
Life and Physical Sciences	Environmental Science A	66	82%
Life and Physical Sciences	Environmental Science B	45	78%
Life and Physical Sciences	Essentials Biology A	98	66%
Life and Physical Sciences	Essentials Biology B	92	63%
Life and Physical Sciences	Essentials Chemistry A	65	74%
Life and Physical Sciences	Essentials Chemistry B	95	84%
Life and Physical Sciences	Medical Terminology	522	92%
Life and Physical Sciences	Oceanography A	170	79%
Life and Physical Sciences	Oceanography B	61	89%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Life and Physical Sciences	Physical Science A	46	70%
Life and Physical Sciences	Physical Science B	86	67%
Life and Physical Sciences	Physics A	168	73%
Life and Physical Sciences	Physics B	102	76%
Life and Physical Sciences	Science A (6th Grade)	<10	NR
Life and Physical Sciences	Science A (7th Grade)	<10	NR
Life and Physical Sciences	Science A (8th Grade)	20	45%
Life and Physical Sciences	Science B (6th Grade)	<10	NR
Life and Physical Sciences	Science B (7th Grade)	16	31%
Life and Physical Sciences	Science B (8th Grade)	41	44%
Life and Physical Sciences	Veterinary Science: The Care of Animals	222	93%
Mathematics	Algebra 1A	241	73%
Mathematics	Algebra 1B	215	82%
Mathematics	Algebra 2A	260	74%
Mathematics	Algebra 2B	278	74%
Mathematics	AP Calculus AB (Sem 1)	84	80%
Mathematics	AP Calculus AB (Sem 2)	64	91%
Mathematics	AP Calculus BC (Sem 1)	62	94%
Mathematics	AP Calculus BC (Sem 2)	52	88%
Mathematics	AP Statistics (Sem 1)	131	91%
Mathematics	AP Statistics (Sem 2)	118	92%
Mathematics	Calculus A	37	70%
Mathematics	Calculus B	22	95%
Mathematics	Essentials Algebra 1A	133	47%
Mathematics	Essentials Algebra 1B	120	64%
Mathematics	Essentials Algebra 2A	100	73%
Mathematics	Essentials Algebra 2B	81	80%
Mathematics	Essentials Geometry A	84	64%
Mathematics	Essentials Geometry B	111	82%
Mathematics	Geometry A	318	82%
Mathematics	Geometry B	315	79%
Mathematics	Mathematics A (6th Grade)	<10	NR
Mathematics	Mathematics A (7th Grade)	13	31%
Mathematics	Mathematics B (6th Grade)	10	30%
Mathematics	Mathematics B (7th Grade)	19	26%
Mathematics	Mathematics in the Workplace	373	87%
Mathematics	Mathematics of Baseball	56	93%
Mathematics	Mathematics of Personal Finance	489	85%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Mathematics	Middle School Math 8A: Pre-Algebra	191	5%
Mathematics	Middle School Math 8B: Pre-Algebra	185	12%
Mathematics	PreCalculus A: Algebra Review & Trigonometry	236	84%
Mathematics	PreCalculus B: Functions & Graphical Analysis	206	83%
Mathematics	Probability and Statistics	152	88%
Miscellaneous	Career Planning	438	80%
Miscellaneous	Careers - Find Your Future	346	68%
Miscellaneous	Study Skills	675	90%
Physical, Health, and Safety Education	Health Education	657	88%
Physical, Health, and Safety Education	Health Education (Abstinence Only)	119	80%
Physical, Health, and Safety Education	Middle School Health	15	53%
Physical, Health, and Safety Education	Middle School Physical Fitness	19	68%
Physical, Health, and Safety Education	Personal Fitness	533	81%
Public, Protective, and Government Service	Forensic Science	252	84%
Religious Education and Theology	World Religions: Exploring Diversity	45	93%
Social Sciences and History	African American History	38	92%
Social Sciences and History	Anthropology I: Uncovering Human Mysteries	80	85%
Social Sciences and History	AP European History (Sem 1)	23	83%
Social Sciences and History	AP European History (Sem 2)	17	94%
Social Sciences and History	AP Human Geography (Sem 1)	30	100%
Social Sciences and History	AP Human Geography (Sem 2)	27	100%
Social Sciences and History	AP Macroeconomics	188	94%
Social Sciences and History	AP Microeconomics	187	94%
Social Sciences and History	AP Psychology (Sem 1)	289	91%
Social Sciences and History	AP Psychology (Sem 2)	257	95%
Social Sciences and History	AP U.S. Government and Politics	145	92%
Social Sciences and History	AP U.S. History (Sem 1)	72	89%
Social Sciences and History	AP U.S. History (Sem 2)	65	89%
Social Sciences and History	AP World History: Modern (Sem 1)	73	88%
Social Sciences and History	AP World History: Modern (Sem 2)	59	90%
Social Sciences and History	Archaeology: Detectives of the Past	45	96%

| NCES Subject Area	Course Name	Enroll Count	Pass Rate
Social Sciences and History	Careers in Criminal Justice: Finding Your Specialty	77	71%
Social Sciences and History	Character Education	44	59%
Social Sciences and History	Civics	644	91%
Social Sciences and History	Criminology	470	85%
Social Sciences and History	Economics	609	89%
Social Sciences and History	Economics of Personal Finance	140	85%
Social Sciences and History	Essentials Economics	76	61%
Social Sciences and History	Essentials U.S. Government	71	66%
Social Sciences and History	Essentials U.S. History A	82	61%
Social Sciences and History	Essentials U.S. History B	67	67%
Social Sciences and History	Essentials World History A	63	76%
Social Sciences and History	Essentials World History B	66	76%
Social Sciences and History	First Nations: A History of Indigenous Peoples of the Americas	32	94%
Social Sciences and History	Leadership Skills Growth and Development	93	88%
Social Sciences and History	Leadership Skills Growth and Development A (Grades 6-8)	<10	NR
Social Sciences and History	Leadership Skills Growth and Development B (Grades 6-8)	<10	NR
Social Sciences and History	Middle School U.S. History A	22	59%
Social Sciences and History	Middle School U.S. History B	36	53%
Social Sciences and History	Middle School World History A	12	25%
Social Sciences and History	Middle School World History B	24	29%
Social Sciences and History	Philosophy: The Big Picture	79	89%
Social Sciences and History	Psychology	308	87%
Social Sciences and History	Sociology I: Introduction to Sociology	172	90%
Social Sciences and History	Sociology II: Social Problems	39	90%
Social Sciences and History	U.S. History and Geography A	258	74%
Social Sciences and History	U.S. History and Geography B	220	84%
Social Sciences and History	World History and Geography A	245	82%
Social Sciences and History	World History and Geography B	240	89%
Visual and Performing Arts	AP Art History (Sem 1)	48	92%
Visual and Performing Arts	AP Art History (Sem 2)	42	98%
Visual and Performing Arts	Architectural Design I	52	83%
Visual and Performing Arts	Digital Photography	183	81%
Visual and Performing Arts	Film Studies: American Film Survey	263	89%
Visual and Performing Arts	Guitar 1A	90	79%
Visual and Performing Arts	Guitar 1B	30	80%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
Visual and Performing Arts	Guitar 2A	<10	NR
Visual and Performing Arts	Guitar 2B	<10	NR
Visual and Performing Arts	Middle School Digital Art and Design	47	30%
Visual and Performing Arts	Middle School Music of the World A: Practice and Purpose in Society	<10	NR
Visual and Performing Arts	Middle School Music of the World B: Migration and Cultural Significance	<10	NR
Visual and Performing Arts	Music Appreciation Odyssey	88	70%
Visual and Performing Arts	Piano 1A	68	91%
Visual and Performing Arts	Piano 1B	22	86%
Visual and Performing Arts	Visual Art Comprehension I	143	65%
World Languages	American Sign Language 1A	1,345	74%
World Languages	American Sign Language 1B	909	84%
World Languages	American Sign Language 2A	377	89%
World Languages	American Sign Language 2B	335	90%
World Languages	AP Chinese (Sem 1)	31	84%
World Languages	AP Chinese (Sem 2)	27	96%
World Languages	AP Spanish (Sem 1)	73	78%
World Languages	AP Spanish (Sem 2)	58	93%
World Languages	Chinese 1A	33	85%
World Languages	Chinese 1B	25	96%
World Languages	Chinese 2A	31	90%
World Languages	Chinese 2B	29	97%
World Languages	Chinese 3A	17	82%
World Languages	Chinese 3B	15	87%
World Languages	Chinese 4A	17	82%
World Languages	Chinese 4B	14	100%
World Languages	Exploring a World of Languages	24	25%
World Languages	French 1A	185	67%
World Languages	French 1A (MS Cohort)	<10	NR
World Languages	French 1B	118	74%
World Languages	French 1B (MS Cohort)	<10	NR
World Languages	French 2A	132	83%
World Languages	French 2B	126	85%
World Languages	German 1A	173	65%
World Languages	German 1A (MS Cohort)	17	59%
World Languages	German 1B	96	85%
World Languages	German 1B (MS Cohort)	<10	NR
World Languages	German 2A	91	86%

NCES Subject Area	Course Name	Enroll Count	Pass Rate
World Languages	German 2B	77	96%
World Languages	Japanese 1A	171	68%
World Languages	Japanese 1B	104	83%
World Languages	Japanese 2A	55	95%
World Languages	Japanese 2B	44	95%
World Languages	Latin 1A	47	87%
World Languages	Latin 1B	29	93%
World Languages	Latin 2A	28	86%
World Languages	Latin 2B	18	100%
World Languages	Spanish 1A	488	44%
World Languages	Spanish 1A (MS Cohort)	49	41%
World Languages	Spanish 1B	225	69%
World Languages	Spanish 1B (MS Cohort)	<10	NR
World Languages	Spanish 2A	258	80%
World Languages	Spanish 2B	262	83%
World Languages	Spanish 3A	123	81%
World Languages	Spanish 3B	78	91%
World Languages	Spanish 4A	76	78%
World Languages	Spanish 4B	55	76%

Figure 4. 2023-24 Michigan Virtual Student Performance Data by NCES Subject Area

NCES Subject Area	Attempted Count	Withdrawn	Completed/ Failed	Michigan Virtual Pass Rate	Statewide 22-23 Pass Rate[72]
Business and Marketing	1,453	2%	13%	85%	75%
Communications and Audio/Visual Technology	101	4%	32%	64%	68%
Engineering and Technology	<50	0%	29%	71%	76%
English Language and Literature	2,872	4%	29%	67%	63%
Health Care Sciences	136	0%	13%	88%	77%
Human Services	365	3%	17%	80%	72%
Information Technology	1,613	3%	12%	85%	68%
Life and Physical Sciences	4,707	3%	15%	82%	63%
Mathematics	4,763	3%	23%	74%	60%
Miscellaneous	1,459	3%	16%	82%	72%
Physical, Health, and Safety Education	1,343	3%	13%	84%	67%
Public, Protective, and Government Service	252	2%	14%	84%	67%
Religious Education and Theology	<50	2%	4%	93%	87%
Social Sciences and History	5,792	3%	12%	86%	64%
Visual and Performing Arts	1,090	3%	18%	79%	71%
World Languages	6,509	3%	19%	77%	59%

Figure 5. 2023-24 Michigan Virtual Teacher-Led Student Performance Data by LEA District
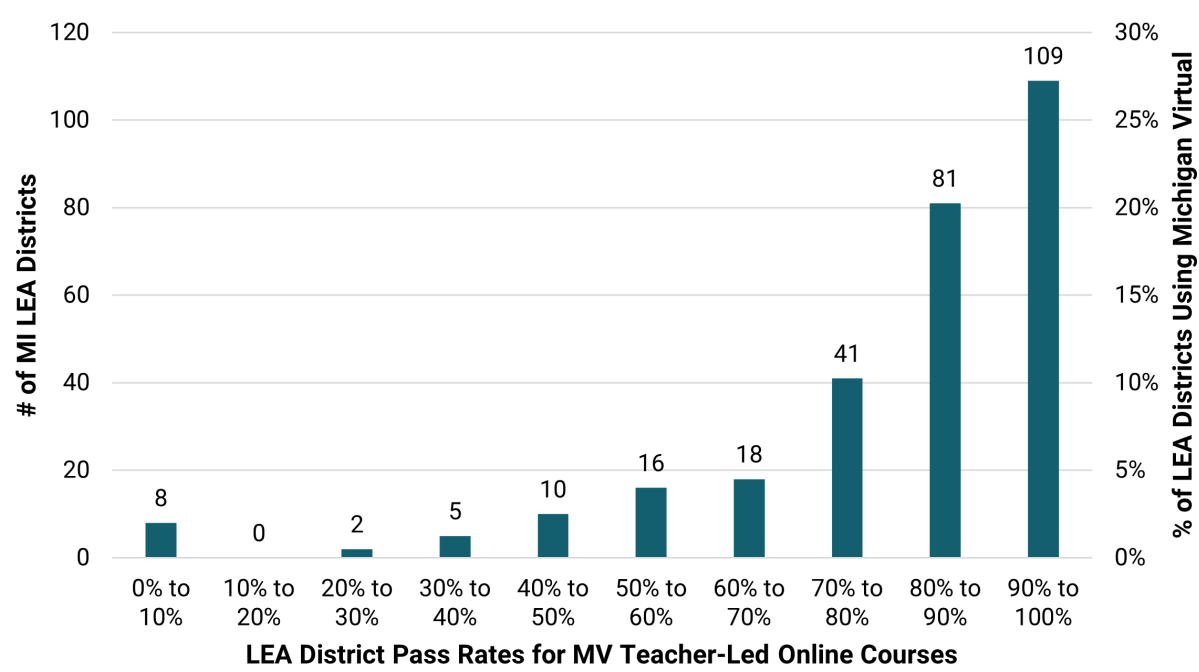
Appendix B - Michigan Virtual Professional Enrollment Data

Figure 6. 2023-24 Michigan Virtual Professional Learning Courses

Course Name	Enroll Count
#GoOpen: Open Educational Resources in Michigan	4,737
5D+ Indicators of High-Quality Instruction	26
5D/D+ Assessment for Student Learning	29
5D/D+ Classroom Environment & Culture	23
5D/D+ Curriculum & Pedagogy	17
5D/D+ Professional Collaboration & Communication	<10
5D/D+ Purpose	13
5D/D+ Student Engagement	24
5D/D+(Lite): Assessment for Student Learning	<10
5D/D+(Lite): Classroom Environment & Culture	44
5D/D+(Lite): Curriculum & Pedagogy	<10
5D/D+(Lite): Professional Communication & Collaboration	<10
5D/D+(Lite): Student Engagement	<10
A to Z Grant Writing	38
Abbott Elementary TV Series - Real	40
Abbott Elementary TV Series Study	18
Achieving Success with Difficult People	82
Adolescent Suicide Prevention: Best Practices – A Team Approach	2,883
Adolescent Suicide Prevention: Information for the General Public	493
Adolescent Suicide Prevention: Intervention & School Policies	2,151
Adolescent Suicide Prevention: Peer to Peer Support	1,514
Advanced Grant Proposal Writing	11
Advanced Microsoft Excel 2019/Office 365	25
Anti-Racism and Social Justice Teaching and Leadership	3,176
Anti-Racist Trauma-Informed Practice in Pre K-12 Education	1,133
Applied Behavior Analysis in Schools	4,045
Asian Americans & the U.S.	574
Assessments in the Blended Classroom	25
Basic First Aid	227
Beginning Conversational French	22
Being a Reflective Teacher	108
Blended Classroom Design	30
Blockchain Fundamentals	<10
Bloodborne Pathogens	6,068
Bloodborne Pathogens Training – ASL version	3,919

Course Name	Enroll Count
Build Trust Through Positive Interactions - Apply Your Skills	196
Building Teams that Work	38
Career Counseling: Building a Resume	27
Certificate in Healing Environments for Body, Mind, and Spirit	27
Certificate in Integrative Behavioral Health	32
Certificate in Meditation	16
Certificate in Mindful Relationships	19
Certificate in Mindfulness	18
Certificate in Nutrition, Chronic Disease, and Health Promotion	25
Certificate in Stress Management	47
Changing Minds to Address Poverty - Achievement Mindset	2,300
Changing Minds to Address Poverty - Engagement Mindset	1,698
Changing Minds to Address Poverty - Enrichment Mindset	1,596
Changing Minds to Address Poverty - Mindsets Matter (Introduction)	1,642
Changing Minds to Address Poverty - Positivity Mindset	1,614
Changing Minds to Address Poverty - Relational Mindset	1,396
Changing Minds to Address Poverty in the Classroom - Graduation Mindset	1,280
Changing Minds to Address Poverty in the Classroom - Rich Classroom Climate Mindset	1,268
ChatGPT for Educators: An Introduction	677
Civil Rights Movement	737
Civil War to Civil Rights	620
College Counseling: Building a College List	82
College Counseling: Developing College Counseling Curriculum	<10
College Counseling: Effective Meetings with Juniors	18
College Counseling: Relationships with Admissions Officers	<10
College Counseling: Start Early with 9-10th Graders	85
College Counseling: The College Selection Process	<10
College Counseling: Writing Effective Counselor Letters	10
Conflict Resolution Strategies	11
Conversational Japanese	<10
Coronavirus (COVID-19) Prevention in the Workplace	<10
Counseling for College Prep	98
CPR Refresher	119
Creating a Classroom Website	27
Creating Check-Ins to Support Students - Skill Application	41
Creating Classroom Centers	102
Curriculum Leadership Institute	<10
Danielson Calibration Assessment	45

Course Name	Enroll Count
Designing Online Success for Special Populations	12
Differentiated Instruction: Maximizing Learning for All	4,136
Digital Content in the Blended Classroom	19
Disability Rights Movement	576
Discipline Protections for Students with a Disability	4,279
Discover Sign Language	48
Discover Sign Language II	<10
Discrimination in the Workplace	115
Dive Into OER	497
Diversity in the Workplace	28
DLN: A Practical Approach to Working with NWEA Data	60
DLN: A Teacher's Guide to Khan Academy	24
DLN: Administrator Simulator - Mandatory Reporting	<10
DLN: Administrator Simulator - Staff Accountability	<10
DLN: Administrator Simulator - Staff Social Media	<10
DLN: Administrator Simulator - Student Discipline	<10
DLN: An Essential Guide to AI for Educators	1,353
DLN: Creating a Data Driven Culture	<10
DLN: Curriculum & Instruction Alignment	<10
DLN: Disciplinary Literacy for Secondary Leaders	23
DLN: Disciplinary Literacy for Secondary Leaders with Action Plan	<10
DLN: Implementing Official SAT Practice on Khan Academy in Your School	14
DLN: Instructional Supervision in a Remote Environment	<10
DLN: Leadership Communication	46
DLN: Leading Collaborative Meetings in a Virtual World	<10
DLN: MTSS - The Path to Making MICIP Meaningful	14
DLN: Observation & Feedback	<10
DLN: Project Gameplan - Keeping Compliant Scenarios	<10
DLN: Response to Intervention (RTI)	<10
DLN: School Culture: Creating an Inclusive Learning Environment	12
DLN: School Improvement	<10
DLN: School Law 101: What Principals Must Know	<10
DLN: School Safety Best Practices	<10
DLN: Trauma Informed Schools: A Whole School Approach	56
DLN: Using AP Potential for Opportunity and Access	322
DLN: Using Surveys For Feedback	<10
Educator Evaluation in MI: Evidence of Reflective Practice	730
Educator Evaluation in MI: Measurement of Student Growth	1,042

Course Name	Enroll Count
Educator Evaluation in MI: Preparing for Formative Review	584
Educator Evaluation in MI: Preparing for Summative Evaluation	570
Educator Evaluation in MI: Unpacking the Framework	507
Educator Evaluation: Self-Assessment and Goal Setting	840
Effective Feedback in a Virtual Setting	255
Elementary Career Awareness eResources in MeL	447
Emergency Response	64
Empowering Education with Web3: A Primer for Educators	<10
Empowering Students With Disabilities	34
Encouraging Language Development in Multilingual Learners	1,168
Engaging Multilingual Families	1,208
Enhancing Language Development in Childhood	33
Equal Rights Movement	504
Equity in Online Learning for Multilingual Students	1,179
Essential Instructional Practices in Early Literacy: K-3 Essential 1	3,069
Essential Instructional Practices in Early Literacy: K-3 Essential 10	1,633
Essential Instructional Practices in Early Literacy: K-3 Essential 2	2,266
Essential Instructional Practices in Early Literacy: K-3 Essential 3	2,197
Essential Instructional Practices in Early Literacy: K-3 Essential 4	1,988
Essential Instructional Practices in Early Literacy: K-3 Essential 5	2,226
Essential Instructional Practices in Early Literacy: K-3 Essential 6	1,803
Essential Instructional Practices in Early Literacy: K-3 Essential 7	1,721
Essential Instructional Practices in Early Literacy: K-3 Essential 8	1,699
Essential Instructional Practices in Early Literacy: K-3 Essential 9	1,644
Essential Instructional Practices in Early Literacy: Pre-K Essential 1	1,949
Essential Instructional Practices in Early Literacy: Pre-K Essential 10	1,130
Essential Instructional Practices in Early Literacy: Pre-K Essential 2	1,372
Essential Instructional Practices in Early Literacy: Pre-K Essential 3	1,302
Essential Instructional Practices in Early Literacy: Pre-K Essential 4	1,147
Essential Instructional Practices in Early Literacy: Pre-K Essential 5	1,105
Essential Instructional Practices in Early Literacy: Pre-K Essential 6	988
Essential Instructional Practices in Early Literacy: Pre-K Essential 7	927
Essential Instructional Practices in Early Literacy: Pre-K Essential 8	959
Essential Instructional Practices in Early Literacy: Pre-K Essential 9	885
Essential Instructional Practices in Early Literacy: School-wide and Center-wide Practices	1,186
Exploring and Understanding Learner Agency	1,036
Family-School Partnerships for Students with Disabilities	2,266
FERPA – Family Educational Rights and Privacy Act	523

Course Name	Enroll Count
Fire Safety	71
Flu Symptoms and Prevention Strategies	<10
Food Safety	36
Fostering Student Agency Through Positive Relationships	841
Fostering Student Agency Through Positive Relationships - New	<10
Fundamentals of Supervision and Management	<10
Future Proud Michigan Educator: EXPLORE Course Planning	138
Future Proud Michigan Educator: EXPLORE Educator Foundations	513
Get Assertive!	37
Get Grants!	<10
Grammar Refresher	43
Grammar Refresher II	16
Guided Reading and Writing: Strategies for Maximum Student Achievement	37
Guided Reading: Strategies for the Differentiated Classroom	17
Hazard Communication	32
Health & Safety for Licensed Child Care Providers, Module A	26,833
Health & Safety for Licensed Child Care Providers, Module B	26,245
Health & Safety for Licensed Child Care Providers, Module C	25,512
HIPAA Compliance Training	331
Home-Based Providers: Are you Running on Empty?	18
Home-Based Providers: Budgeting	16
Home-Based Providers: Checking Your Financial Health	14
Home-Based Providers: Envelopes, Receipts, and Paperwork	21
Home-Based Providers: Setting and Collecting Fees	17
How can PBL Help Elementary Students "Figure Out" Science?	614
How can PBL Help Secondary Students "Figure Out" Science?	349
How to Disaggregate Data - Successline Micro-Credential	<10
How to Get Started in Game Development	<10
Human Anatomy and Physiology II	14
IEP Boot Camp: Transition Age Students	1,666
IEP Boot Camp: Writing Meaningful and Compliant IEPs	3,957
Individual Excellence	20
Infant and Toddler Development and Care Practices	77
Inquiry Based Learning in Secondary Mathematics Education	563
Inquiry-Based Learning in Secondary Science Education	365
Instructional Practices with Technology	19
Integrating Technology in the Classroom	23
Interactive Reading and Multilingual Learners	784

Course Name	Enroll Count
Interpersonal Communication	15
Intro to CEL's 5D/5D+ Teacher Evaluation System	1,042
Intro to Computer Science for High School Educators	177
Intro to Computer Science for Middle School Educators	211
Intro to Computer Science Standards for K-5 Educators	281
Intro to Online Course Facilitation, 6-12	<10
Intro to Online Course Facilitation: Practical Knowledge	388
Intro to Universal Design for Learning (UDL)	<10
Intro to Universal Design for Learning: Action & Expression	16
Intro to Universal Design for Learning: Engagement	12
Intro to Universal Design for Learning: Engagement - UDL	<10
Intro to Universal Design for Learning: Representation	20
Introduction to Artificial Intelligence	24
Introduction to Blended Learning for School Leaders	376
Introduction to Early Childhood Standards of Quality for B-K	2,389
Introduction to Esports	526
Introduction to Java Programming	<10
Introduction to Microsoft Excel 2019	27
Introduction to Phenomenal Science	644
Introduction to Programming	<10
Introduction to Windows 10	<10
ISD Led Monitoring	240
Keys to Effective Communication	39
Labor Rights Movement	322
Leadership	23
Let Them Lead: Strategies for a Student-Centered Classroom	<10
Licensing Citation: Ongoing Health & Safety Refresher 2023	1,407
MASA AI Leadership Academy - Summer 2024	19
Mastering Public Speaking	10
MDE Assessment Security	30,687
MDE: Introduction to Data Use & Action Process	535
MeL Secondary Health Sciences/Health Occupations eResources	24
MI-Access Training: Participation and Scoring Administration	739
Michigan Learning Channel: A Free Tool for Summer Learning	536
Michigan Ongoing Health & Safety Training Refresher 2023	13,498
Michigan Ongoing Health & Safety Training Refresher 2024	43,153
Michigan Virtual Special Education Support	435
Michigan's Child Care Center Administration Business Series	125

Course Name	Enroll Count
Micro-Credential #1: Phonemic Awareness	118
Micro-Credential #1: The Language and Mindset of Mathematics	189
Micro-Credential #2: Early Number and Counting Concepts	132
Micro-Credential #2: English Code Complexities	105
Micro-Credential #3: Decode and Encode Through Sound Boxes	104
Micro-Credential #3: Progression of Addition	97
Micro-Credential #4: Foundations of Multiplication	94
Micro-Credential #4: Vocabulary Acquisition	103
Micro-Credential #5: Developing Fraction Concepts	97
Micro-Credential #5: Reading Fluency: What tools can I use to increase it?	104
Micro-Credential #6: Goal Setting-Strategic Reading Conversations	100
Micro-Credential #6: High Leverage Strategies for Mathematics	93
Micro-Credential 1: Phonemic Awareness	402
Micro-Credential 2: English Code Complexities	391
Micro-Credential 3: Decode and Encode Through Sound Boxes	391
Micro-Credential 4: Vocabulary Acquisition	390
Micro-Credential 5: Reading Fluency	393
Micro-Credential 6: Strategic Reading Conversations	391
Mindful Practices: Everyday SEL for Adults	47
Mindful Practices: Integrating SEL into Your Classroom	52
Mindful Practices: SEL for Administrators	31
Modern Classrooms Project Essentials	1,568
Music Made Easy	19
MV Skills Sprint: AI and Academic Integrity	<10
MV Skills Sprint: Communicating with Parents	<10
MV Skills Sprint: FERPA and COPPA	<10
MV Skills Sprint: Intro to Accessibility	<10
MV Skills Sprint: Screenshots and Screencasts	<10
MV Skills Sprint: Teaching Students Netiquette	<10
MyPD - 10 SCECHs	20
MyPD - 6 SCECHs	<10
Online Lessons with Littles - Engagement	<10
Online Lessons with Littles - Planning	<10
Online Lessons with Littles: An Overview	354
Online Lessons with Littles: Engagement	284
Online Lessons with Littles: Planning	322
Online National Standards 1: Getting Started	265
Online National Standards 2: Course Content & Design	236

Course Name	Enroll Count
Online National Standards 3: Assessment	172
Online National Standards 4: Meeting Needs	231
Online Teacher's Guide: Announcements	137
Online Teacher's Guide: Discussions	52
Online Teacher's Guide: Engagement	68
OTL Level 1 - Communicating in Online Classrooms	90
OTL Level 1 - Course Content	74
OTL Level 1 - Discussion Boards	66
OTL Level 1 - Grading and Feedback	69
OTL Level 1 - Introduction to Online Teaching and Learning	33
OTL Level 1 - Setting Up Your Online Classroom	90
OTL Level 1 - Student Engagement	131
OTL Level 1 - Supporting Exceptional Students	68
OTL Level 2 - Academic Integrity	<10
OTL Level 2 - Assessments	<10
OTL Level 2 - Class Data and Progress	<10
OTL Level 2 - Classroom Management	<10
OTL Level 2 - Community Building	<10
OTL Level 2 - Effective OTL	<10
OTL Level 2 - Student Support	<10
OTL Level 2 - Term Management	<10
Personal Finance	25
Personal Protective Equipment	<10
Podcast PD: Google Forms, Failure-Free Failing and CBE	<10
Podcast PD: Growing Student Agency and Implementing Google Classroom	22
Podcast PD: Screencasting, the Future of Education	<10
PTL 100 Hour Internship	<10
PTL 200 Hour Internship	34
PTL 300 Hour Internship	<10
PTL 400 Hour Internship	<10
PTL: Application	243
PTL: Internship	111
PTL: Module 1	194
PTL: Module 2	210
PTL: Module 3	201
PTL: Module 4	94
PTL: Module 5	234
PTL: Module 6	206

Course Name	Enroll Count
PTL: Module 7	195
PTL: Module 8	211
Reaching Your Potential through Self-Advocacy	10
Reaching Your Potential through Self-Advocacy - Wellness	<10
Remembering the Holocaust	375
Response to Intervention: Reading Strategies That Work	52
Rethinking Classroom Practices with ChatGPT	178
Rethinking Classroom Practices with ChatGPT - AI	<10
Run, Hide, Fight	35
Seclusion and Restraint	2,526
Secondary Career Preparation eResources in MeL	474
Sexual Harassment and Discrimination for Employees	127
Singapore Math Strategies: Model Drawing for Grades 1-6	<10
Singapore Math: Number Sense and Computational Strategies	13
So You Want to be an Instructional Designer?	66
Social Intervention for Elementary Students with ASD	1,634
Social Studies Classroom Practice and Pedagogy	252
Social-Emotional Learning: Adult SEL and Self-Care	1,503
Social-Emotional Learning: Assessment Mechanisms	740
Social-Emotional Learning: Creating a Professional Culture Based on SEL	1,334
Social-Emotional Learning: Embedding SEL Schoolwide	1,418
Social-Emotional Learning: Equity Elaborations	670
Social-Emotional Learning: Integrating SEL Into Culturally Responsive Classrooms	1,366
Social-Emotional Learning: Integrating SEL within MTSS	811
Social-Emotional Learning: Introduction to SEL	2,812
Social-Emotional Learning: Trauma-Informed Support	2,336
Solving Classroom Discipline Problems	90
Solving Classroom Discipline Problems II	20
Spanish in the Classroom	42
Special Populations & Assessments: Administrator Practices	<10
Special Populations & Assessments: Paraprofessional Support	<10
Special Populations & Assessments: Planning for Teachers	11
Speed Spanish	46
Speed Spanish II	20
Speed Spanish III	15
SRO1: Promoting a Safe and Supportive School Climate	373
SRO2: Teaming and Collaborative Data-based Problem Solving	239
SRO3: Early Identification of Mental Health Challenges	289

Course Name	Enroll Count
SRO4: Mental Health Interventions and Care Coordination	223
SRO5: Working with Diverse Populations	228
SRO6: Self-Care and Wellness	265
Start Your Own Edible Garden	25
Supporting All Students' Executive Functioning Skills	56
Survival Kit for New Teachers	26
Take Care of Yourself: A Course in Well-Being and Self-Care	2,620
Teacher+ (Lite): Assessment for Student Learning	<10
Teacher+ (Lite): Classroom Environment & Culture	12
Teacher+ (Lite): Culturally Responsive Classrooms	<10
Teacher+ (Lite): Student Engagement & Ownership	21
Teaching Adult Learners	<10
Teaching History for All Using Public Resources	218
Teaching Math: Grades 4-6	25
Teaching Preschool: A Year of Inspiring Lessons	22
Teaching Science: Grades 4-6	10
Teaching Smarter with SMART Boards	14
Teaching Students With ADHD	51
Teaching Students With Autism: Strategies for Success	36
Teaching Students with Learning Disabilities	39
Teaching To and About First Peoples	282
Teaching Transitioning Skills to Students with Disabilities	981
Teaching Writing: Grades 4-6	28
Teaching Writing: Grades K-3	31
Ted Lasso TV Series - Joy	23
Ted Lasso TV Series Study	80
The Creative Classroom	40
Title IX/Sexual Misconduct at Educational Facilities	99
TRAILS Social and Emotional Learning (SEL) Curriculum	523
Transportation Training for Licensed Child Care Providers	10,258
UDL: Action & Expression - Apply Your Skills	<10
UDL: Engagement - Apply Your Skills	<10
UDL: Representation - Apply Your Skills	<10
Understanding Adolescents	25
Understanding the Modern Military	507
Understanding Unconscious Bias for Educators	1,408
Understanding Unconscious Bias for Educators - DEI	<10
Using the Internet in the Classroom	<10

Course Name	Enroll Count
Violence in the Workplace	<10
Whole Child & Continuous Improvement: A Deeper Understanding (MI Only)	743
Writing Effective Grant Proposals	<10

Figure 7. 2023-24 Districts Served by Michigan Virtual with Professional Learning

ISDs (100%):

Allegan Area ESA
Alpena-Mont.-Alcona ESD
Barry ISD
Bay-Arenac ISD
Berrien RESA
Branch ISD
C.O.O.R. ISD
Calhoun ISD
Charlevoix-Emmet ISD
Cheb-Otsego-Presque Isle ESD
Clare-Gladwin RESD
Clinton County RESA
Copper Country ISD
Delta-Schoolcraft ISD
Dickinson-Iron ISD
Eastern Upper Peninsula ISD
Eaton RESA
Genesee ISD
Gogebic-Ontonagon ISD

Gratiot-Isabella RESD
Heritage SW ISD
Hillsdale ISD
Huron ISD
Ingham ISD
Ionia ISD
Iosco RESA
Jackson ISD
Kalamazoo RESA
Kent ISD
Lapeer ISD
Lenawee ISD
Livingston ESA
Macomb ISD
Manistee ISD
Marquette-Alger RESA
Mecosta-Osceola ISD
Menominee ISD
Midland County ESA

Monroe ISD
Montcalm Area ISD
Muskegon Area ISD
Newaygo County RESA
Northwest Ed. Services
Oakland Schools
Ottawa Area ISD
Saginaw ISD
Sanilac ISD
Shiawassee Regional ESD
St. Clair County RESA
St. Joseph County ISD
Tuscola ISD
Van Buren ISD
Washtenaw ISD
Wayne RESA
West Shore ESD
Wexford-Missaukee ISD

LEA Districts (99%):

Adams Township School District
Addison Community Schools
Adrian Public Schools
Airport Community Schools
Akron-Fairgrove Schools
Alanson Public Schools
Alba Public Schools
Alcona Community Schools
Algonac Community School District
Allegan Public Schools
Allen Park Public Schools
Allendale Public Schools
Alma Public Schools
Almont Community Schools
Alpena Public Schools
Anchor Bay School District
Ann Arbor Public Schools
Armada Area Schools
Ashley Community Schools
Athens Area Schools
Atherton Community Schools

Atlanta Community Schools
Au Gres-Sims School District
AuTrain-Onota Public Schools
Avondale School District
Bad Axe Public Schools
Baldwin Community Schools
Bangor Public Schools (Van Buren)
Bangor Township S/D #8
Bangor Township Schools
Baraga Area Schools
Bark River-Harris School District
Bath Community Schools
Battle Creek Public Schools
Bay City School District
Beal City Public Schools
Bear Lake Schools
Beaver Island Community School
Beaverton Schools
Bedford Public Schools
Beecher Community School District

Belding Area School District
Bellaire Public Schools
Bellevue Community Schools
Bendle Public Schools
Bentley Community School District
Benton Harbor Area Schools
Benzie County Central Schools
Berkley School District
Berlin Township S/D #3
Berrien Springs Public Schools
Bessemer Area School District
Big Bay De Noc School District
Big Rapids Public Schools
Birch Run Area Schools
Birmingham Public Schools
Blissfield Community Schools
Bloomfield Hills Schools
Bloomingdale Public School District
Bois Blanc Pines School District
Boyne City Public Schools

Boyne Falls Public School District

Brandon School District in the Counties of Oakland and Lapeer

Brandywine Community Schools

Breckenridge Community Schools

Breitung Township School District

Bridgeport-Spaulding Community School District

Bridgman Public Schools

Brighton Area Schools

Brimley Area Schools

Britton Deerfield Schools

Bronson Community School District

Brown City Community Schools

Buchanan Community Schools

Buckley Community Schools

Bullock Creek School District

Burr Oak Community School District

Burt Township School District

Byron Area Schools

Byron Center Public Schools

Cadillac Area Public Schools

Caledonia Community Schools

Camden-Frontier School

Capac Community Schools

Carman-Ainsworth Community Schools

Carney-Nadeau Public Schools

Caro Community Schools

Carrollton Public Schools

Carson City-Crystal Area Schools

Carsonville-Port Sanilac School District

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 Schools

Centreville Public Schools

Charlevoix Public Schools

Charlotte Public Schools

Chassell Township School District

Cheboygan Area Schools

Chelsea School District

Chesaning Union Schools

Chippewa Hills School District

Chippewa Valley Schools

Church School District

Clare Public Schools

Clarenceville School District

Clarkston Community School District

Clawson Public Schools

Climax-Scotts Community Schools

Clinton Community Schools

Clintondale Community Schools

Clio Area School District

Coldwater Community Schools

Coleman Community Schools

Colfax Township S/D #1F

Coloma Community Schools

Colon Community School District

Columbia School District

Comstock Park Public Schools

Comstock Public Schools

Concord Community Schools

Constantine Public School District

Coopersville Area Public School District

Corunna Public Schools

Covert Public Schools

Crawford AuSable Schools

Crestwood School District

Croswell-Lexington Community Schools

Dansville Schools

Davison Community Schools

Dearborn City School District

Dearborn Heights School District #7

Decatur Public Schools

Deckerville Community School District

Delton Kellogg Schools

DeTour Area Schools

Detroit Public Schools Community District

DeWitt Public Schools

Dexter Community School District

Dollar Bay-Tamarack City Area Schools

Dowagiac Union School District

Dryden Community Schools

Dundee Community Schools

Durand Area Schools

East China School District

East Grand Rapids Public Schools

East Jackson Community Schools

East Jordan Public Schools

East Lansing School District

Easton Township S/D #6

Eastpointe Community 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 Community School

Engadine Consolidated Schools

Escanaba Area Public Schools

Essexville-Hampton Public Schools

Evart Public Schools

Ewen-Trout Creek Consolidated School District

Fairview Area School District

Farmington Public School District

Farwell Area Schools

Fennville Public Schools

Fenton Area Public Schools

Ferndale Public Schools

Fitzgerald Public Schools

Flat Rock Community Schools
Flint, School District of the City of
Flushing Community Schools
Forest Area Community Schools
Forest Hills Public Schools
Forest Park School District
Fowler Public Schools
Fowlerville Community Schools
Frankenmuth School District
Frankfort-Elberta Area Schools
Fraser Public Schools
Freeland Community School
  District
Fremont Public School District
Fruitport Community Schools
Fulton Schools
Galesburg-Augusta Community
  Schools
Garden City Public Schools
Gaylord Community Schools
Genesee School District
Gibraltar School District
Gladstone Area Schools
Gladwin Community Schools
Glen Lake Community Schools
Glenn Public School District
Gobles Public School District
Godfrey-Lee Public Schools
Godwin Heights Public Schools
Goodrich Area Schools
Grand Blanc Community Schools
Grand Haven Area Public
  Schools
Grand Ledge Public Schools
Grand Rapids Public Schools
Grandville Public Schools
Grant Public School District
Grant Township S/D #2
Grass Lake Community Schools
Greenville Public Schools
Grosse Ile Township Schools
Grosse Pointe Public Schools
Gull Lake Community Schools
Gwinn Area Community Schools
Hagar Township S/D #6
Hale Area Schools

Hamilton Community Schools
Hamtramck, School District of
  the City of
Hancock Public Schools
Hanover-Horton School District
Harbor Beach Community
  Schools
Harbor Springs School District
Harper Creek Community
  Schools
Harper Woods, The School
  District of the City of
Harrison Community Schools
Hart Public School District
Hartford Public Schools
Hartland Consolidated Schools
Haslett Public Schools
Hastings Area School District
Hazel Park, School District of the
  City of
Hemlock Public School District
Hesperia Community Schools
Hillman Community Schools
Hillsdale Community Schools
Holland City School District
Holly Area School District
Holt Public Schools
Holton Public Schools
Homer Community School
  District
Hopkins Public Schools
Houghton Lake Community
  Schools
Houghton-Portage Township
  School District
Howell Public Schools
Hudson Area Schools
Hudsonville Public School
  District
Huron School District
Huron Valley Schools
Ida Public School District
Imlay City Community Schools
Inland Lakes Schools
Ionia Public Schools
Ionia Township S/D #2

Iron Mountain Public Schools
Ironwood Area Schools of
  Gogebic County
Ishpeming Public School District
  No. 1
Ithaca Public Schools
Jackson Public Schools
Jefferson Schools (Monroe)
Jenison Public Schools
Johannesburg-Lewiston Area
  Schools
Jonesville Community Schools
Kalamazoo Public Schools
Kaleva Norman Dickson School
  District
Kalkaska Public Schools
Kearsley Community School
  District
Kelloggsville Public Schools
Kenowa Hills Public Schools
Kent City Community Schools
Kentwood Public Schools
Kingsley Area Schools
Kingston Community School
  District
Laingsburg Community Schools
Lake City Area School District
Lake Fenton Community Schools
Lake Linden-Hubbell School
  District
Lake Orion Community Schools
Lake Shore Public Schools
  (Macomb)
Lakeshore School District
  (Berrien)
Lakeview Community Schools
  (Montcalm)
Lakeview Public Schools
  (Macomb)
Lakeview Sch. District (Calhoun)
LakeVille Community School
  District
Lakewood Public Schools
Lamphere Public Schools
L'Anse Area Schools
L'Anse Creuse Public Schools

Lansing Public School District
Lapeer Community Schools
Lawrence Public Schools
Lawton Community School District
Leland Public School District
Les Cheneaux Community Schools
Leslie Public Schools
Lincoln Consolidated School District
Lincoln Park, School District of the City of
Linden Community Schools
Litchfield Community Schools
Livonia Public Schools School District
Lowell Area Schools
Ludington Area School District
Mackinac Island Public Schools
Mackinaw City Public Schools
Madison District Public Schools
Madison School District (Lenawee)
Mancelona Public Schools
Manchester Community Schools
Manistee Area Public Schools
Manistique Area Schools
Manton Consolidated Schools
Maple Valley Schools
Mar Lee School District
Marcellus Community Schools
Marion Public Schools
Marlette Community Schools
Marquette Area Public Schools
Marshall Public Schools
Martin Public Schools
Marysville Public Schools
Mason Consolidated Schools (Monroe)
Mason County Central Schools
Mason County Eastern Schools
Mason Public Schools (Ingham)
Mattawan Consolidated School
Mayville Community School District

McBain Rural Agricultural Schools
Melvindale-Northern Allen Park Schools
Memphis Community Schools
Mendon Community School District
Menominee Area Public Schools
Meridian Public Schools
Merrill Community Schools
Mesick Consolidated Schools
Michigan Center School District
Mid Peninsula School District
Midland Public Schools
Milan Area Schools
Millington Community Schools
Mio-AuSable Schools
Mona Shores Public School District
Monroe Public Schools
Montabella Community Schools
Montague Area Public Schools
Montrose Community Schools
Moran Township School District
Morenci Area Schools
Morley Stanwood Community Schools
Morrice Area Schools
Mount Clemens Community School District
Mt. Morris Consolidated Schools
Mt. Pleasant City School District
Munising Public Schools
Muskegon, Public Schools of the City of
Napoleon Community Schools
Negaunee Public Schools
New Buffalo Area Schools
New Haven Community Schools
New Lothrop Area Public Schools
Newaygo Public School District
NICE Community School District
Niles Community Schools
North Adams-Jerome Public Schools
North Branch Area Schools

North Central Area Schools
North Dickinson County Schools
North Huron School District
North Muskegon Public Schools
Northport Public School District
Northview Public Schools
Northville Public Schools
Northwest Community Schools
Norway-Vulcan Area Schools
Nottawa Community School
Novi Community School District
Oak Park, School District of the City of
Oakridge Public Schools
Okemos Public Schools
Olivet Community Schools
Onaway Area Community School District
Oneida Township S/D #3
Onekama Consolidated Schools
Onsted Community Schools
Ontonagon Area School District
Orchard View Schools
Oscoda Area Schools
Otsego Public Schools
Ovid-Elsie Area Schools
Owendale-Gagetown Area School District
Owosso Public Schools
Oxford Community Schools
Parchment School District
Paw Paw Public School District
Peck Community School District
Pellston Public Schools
Pennfield Schools
Pentwater Public School District
Perry Public Schools
Pewamo-Westphalia Community Schools
Pickford Public Schools
Pinckney Community Schools
Pinconning Area Schools
Pine River Area Schools
Pittsford Area Schools
Plainwell Community Schools

Plymouth-Canton Community Schools
Pontiac City School District
Port Huron Area School District
Portage Public Schools
Portland Public Schools
Posen Consolidated School District No. 9
Potterville Public Schools
Powell Township Schools
Public Schools of Calumet, Laurium & Keweenaw
Public Schools of Petoskey
Quincy Community Schools
Rapid River Public Schools
Ravenna Public Schools
Reading Community Schools
Redford Union Schools, District No. 1
Reed City Area Public Schools
Reese Public Schools
Reeths-Puffer Schools
Republic-Michigamme Schools
Richmond Community Schools
River Rouge, School District of the City of
River Valley School District
Riverview Community School District
Rochester Community School District
Rockford Public Schools
Rogers City Area Schools
Romeo Community Schools
Romulus Community Schools
Roscommon Area Public Schools
Roseville Community Schools
Royal Oak Schools
Rudyard Area Schools
Saginaw Township Community Schools
Saginaw, School District of the City of
Saline Area Schools
Sand Creek Community Schools

Sandusky Community School District
Saranac Community Schools
Saugatuck Public Schools
Sault Ste. Marie Area Schools
School District of the City of Inkster
Schoolcraft Community Schools
Shelby Public Schools
Shepherd Public Schools
Sigel Township S/D #3F
Sigel Township S/D #4F
Sodus Township S/D #5
South Haven Public Schools
South Lake Schools
South Lyon Community Schools
South Redford School District
Southfield Public School District
Southgate Community School District
Sparta Area Schools
Spring Lake Public Schools
Springport Public Schools
St. Charles Community Schools
St. Ignace Area Schools
St. Johns Public Schools
St. Joseph Public Schools
St. Louis Public Schools
Standish-Sterling Community Schools
Stanton Township Public Schools
Stephenson Area Public Schools
Stockbridge Community Schools
Sturgis Public Schools
Summerfield Schools
Superior Central School District
Suttons Bay Public Schools
Swan Valley School District
Swartz Creek Community Schools
Tahquamenon Area Schools
Tawas Area Schools
Taylor School District
Tecumseh Public Schools
Tekonsha Community Schools

Thornapple Kellogg School District
Three Rivers Community Schools
Traverse City Area Public Schools
Trenton Public Schools
Tri County Area Schools
Troy School District
Ubly Community Schools
Union City Community Schools
Unionville-Sebewaing Area S.D.
Utica Community Schools
Van Buren Public Schools
Van Dyke Public Schools
Vanderbilt Area Schools
Vandercook Lake Public Schools
Vassar Public Schools
Verona Township S/D #1F
Vestaburg Community Schools
Vicksburg Community Schools
Waldron Area Schools
Walkerville Public Schools
Walled Lake Consolidated Schools
Warren Consolidated Schools
Warren Woods Public Schools
Waterford School District
Watersmeet Township School District
Watervliet School District
Waverly Community Schools
Wayland Union Schools
Wayne-Westland Community School District
Webberville Community Schools
West Bloomfield School District
West Branch-Rose City Area Schools
West Iron County Public Schools
West Ottawa Public School District
Western School District
Westwood Community School District
Westwood Heights Schools
White Cloud Public Schools

White Pigeon Community Schools

Whiteford Agricultural School District of the Counties of Lenawee and Monroe

Whitehall District Schools

Whitmore Lake Public School District

Whittemore-Prescott Area Schools

Williamston Community Schools

Wolverine Community School District

Woodhaven-Brownstown School District

Wyandotte, School District of the City of

Wyoming Public Schools

Yale Public Schools

Ypsilanti Community Schools

Zeeland Public Schools

PSA Districts (95%):

Academic and Career Education Academy

Academy for Business and Technology

Academy of Warren

Achieve Charter Academy

Advanced Technology Academy

AGBU Alex-Marie Manoogian School

Alternative Educational Academy of Iosco County

Alternative Educational Academy of Ogemaw County

American International Academy

American Montessori Academy

Arbor Academy

Arbor Preparatory High School

Arts Academy in the Woods

Arts and Technology Academy of Pontiac

Barack Obama Leadership Academy

Battle Creek Area Learning Center

Battle Creek Montessori Academy

Bay City Academy

Bay-Arenac Community High School

Benton Harbor Charter School Academy

Black River Public School

Blended Learning Academies Credit Recovery High School

Blue Water Middle College

Bradford Academy

Branch Line School

Bridge Academy

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 Academy

Central Academy

Cesar Chavez Academy

Chandler Park Academy

Chandler Woods Charter Academy

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 Jefferson-Douglass Academy

Countryside Academy

Covenant High School Grand Rapids

Covenant Schools Detroit

Creative Montessori Academy

Creative Technologies Academy

Crescent Academy

Cross Creek Charter Academy

Crossroads Charter Academy

Da Vinci Schools

David Ellis Academy

David Ellis Academy West

DeTour Arts and Technology Academy

Detroit Academy of Arts and Sciences

Detroit Achievement Academy

Detroit Community Schools

Detroit Edison Public School Academy

Detroit Enterprise Academy

Detroit Innovation Academy

Detroit Leadership Academy

Detroit Merit Charter Academy

Detroit Premier Academy

Detroit Public Safety Academy

Detroit Service Learning Academy

Discovery Creative Pathways

Dove Academy of Detroit

Dr. Joseph F. Pollack Academic Center of Excellence

Eagle Crest Charter Academy

Eagle's Nest Academy

East Arbor Charter Academy

East Shore Leadership Academy

Eaton Academy

Endeavor Charter Academy

Escuela Avancemos

Excel Charter Academy

Faxon Academy

Flagship Charter Academy

Flat River Academy

Flex High School of Michigan
Flex High School of Pontiac
FlexTech High School
Flint Cultural Center Academy
Fortis Academy
Fostering Leadership Academy
Four Corners Montessori Academy
Francis Reh PSA
Frontier International Academy
Gateway To Success Academy
George Crockett Academy
George Washington Carver Academy
Global Heights Academy
Global Tech Academy
Grand Blanc Academy
Grand Rapids Child Discovery Center
Grand River Academy
Grand River Preparatory High School
Grand Traverse Academy
Great Lakes Academy
Great Lakes Learning Academy
Great Oaks Academy
Greater Heights Academy
Hamtramck Academy
Hanley International Academy
Henry Ford Academy
Highland Park Public School Academy System
Highpoint Virtual Academy of Michigan
Hillsdale Preparatory School
Holly Academy
Holly Park Academy
Honey Creek Community School
Hope Academy
Hope Academy of West Michigan
Hope of Detroit Academy
Huron Academy
ICademy Global
Inkster Preparatory Academy
Innocademy
Innocademy Allegan Campus

Insight School of Michigan
International Academy of Flint
International Academy of Saginaw
Island City Academy
Ivywood Classical Academy
Jackson Preparatory & Early College
Jalen Rose Leadership Academy
Joseph K. Lumsden Bahweting Anishnabe Academy
Joy Preparatory Academy
Kalamazoo Covenant Academy
Kensington Woods Schools
Keys Grace Academy
Keystone Academy
Kingsbury Country Day School
Knapp Charter Academy
Lake Superior Academy
Landmark Academy
Laurus Academy
Leelanau Montessori Public School Academy
Legacy Charter Academy
LifeTech Academy
Light of the World Academy
Lighthouse Academy
Lighthouse Connections Academy
Linden Charter Academy
Livingston Classical Academy
MacDowell Preparatory Academy
Macomb Academy
Macomb Montessori Academy
Madison Academy
Madison-Carver Academy
Marshall Academy
Martin Luther King, Jr. Education Center Academy
Merritt Academy
Metro Charter Academy
Michigan Collegiate
Michigan Connections Academy
Michigan Educational Choice Center

Michigan Great Lakes Virtual Academy
Michigan International Prep School
Michigan Mathematics and Science Academy
Michigan Online School
Michigan Virtual Charter Academy
Mid-Michigan Leadership Academy
Momentum Academy
Mt. Clemens Montessori Academy
Multicultural Academy
Muskegon Covenant Academy
Muskegon Heights Public School Academy System
Muskegon Montessori Academy for Environmental Change
Nah Tah Wahsh Public School Academy
New Bedford Academy
New Branches Charter Academy
New Dawn Academy of Warren
New Paradigm College Prep
New Paradigm Glazer-Loving Academy
NexTech High School
Noor International Academy
North Saginaw Charter Academy
North Star Montessori Academy
Northridge Academy
Oakland Academy
Oakland FlexTech High School
Oakland International Academy
Oakside Prep Academy
Ojibwe Charter School
Old Mission Peninsula School
Old Redford Academy
Outlook Academy
Pansophia Academy
Paragon Charter Academy
Paramount Charter Academy
Pathways Academy
Pembroke Academy

Plymouth Educational Center
  Charter School
Plymouth Scholars Charter
  Academy
Pontiac Academy for Excellence
PrepNet Virtual Academy
Prevail Academy
Quest Charter Academy
Reach Charter Academy
Regent Park Scholars Charter
  Academy
Relevant Academy of Eaton
  County
Renaissance Public School
  Academy
Richfield Public School Academy
Ridge Park Charter Academy
River City Scholars Charter
  Academy
Riverside Academy
Rutherford Winans Academy
Saginaw Covenant Academy
Saginaw Preparatory Academy
South Arbor Charter Academy
South Canton Scholars Charter
  Academy
South Pointe Scholars Charter
  Academy
St. Clair County Intervention
  Academy
Star International Academy
State Street Academy

Success Virtual Learning Centers
  of Michigan
Summit Academy North
Taylor Exemplar Academy
Taylor Preparatory High School
The Dearborn Academy
The Greenspire School
The James and Grace Lee Boggs
  School
The New Standard Academy
Three Lakes Academy
Three Oaks Public School
  Academy
Timberland Academy
Tipton Academy
Trillium Academy
Triumph Academy
Universal Academy
Universal Learning Academy
University Preparatory Academy
  (PSAD)
University Preparatory Art &
  Design
University Preparatory Science
  and Math (PSAD)
University Yes Academy
Uplift Michigan Academy
Vanderbilt Charter Academy
Vanguard Charter Academy
Virtual Learning Academy of St.
  Clair County
Vista Charter Academy
Vista Meadows Academy

Voyageur Academy
Walden Green Montessori
Walker Charter Academy
Walton Charter Academy
Warrendale Charter Academy
Washington-Parks Academy
Washtenaw Technical Middle
  College
Waterford Montessori Academy
W-A-Y Academy
WAY Academy - Flint
WAY Michigan
Wellspring Preparatory High
  School
West MI Academy of Arts and
  Academics
West MI Academy of
  Environmental Science
West Michigan Aviation
  Academy
West Village Academy
Westfield Charter Academy
Weston Preparatory Academy
Will Carleton Charter School
  Academy
William C. Abney Academy
Windemere Park Charter
  Academy
Windover High School
Woodland Park Academy
Woodland School
Youth Advancement Academy

Nonpublic Schools (76%):

Academy of International
  Studies - HAMTRAMCK
Academy of Sacred Heart -
  BLOOMFIELD HILLS
Acton Academy Ann Arbor
  (A2) - ANN ARBOR
Ada Christian School - ADA
Adams Christian School -
  WYOMING
Aim High School -
  FARMINGTON HILLS

Al-Furqan Quran Academy -
  DETROIT
Algoma Christian School -
  KENT CITY
Al-Ikhlas Training Academy -
  DETROIT
All Saints Academy Lower
  Campus - GRAND RAPIDS
All Saints Academy Upper
  Campus - GRAND RAPIDS

All Saints Catholic Academy -
  IRONWOOD
All Saints Catholic School -
  ALPENA
All Saints Catholic School -
  CANTON
All Saints Central School -
  BAY CITY
All Saints Elementary - BAY
  CITY

Allendale Christian School - ALLENDALE

American International Prep School - TROY

AnchorPoint Christian School - WYOMING

Ann Arbor Academy - ANN ARBOR

Ann Arbor Adventist Elementary School - ANN ARBOR

Ann Arbor Children's House - ANN ARBOR

Ann Arbor Christian School - ANN ARBOR

Ann Arbor Hills Child Dev. Ctr. - ANN ARBOR

Arbor Valley Academy - YPSILANTI

ASA Higher Learning Preparatory - DETROIT

Assumption of the Blessed Virgin Mary Catholic School - BELMONT

Auburn Area Catholic School - AUBURN

Auburn Hills Christian School - AUBURN HILLS

Austin Catholic High School - CHESTERFIELD

Baldwin Road Church Academy - PONTIAC

Battle Creek Academy - BATTLE CREEK

Bellevue Christian Academy - BELLEVUE

Beth Jacob School - OAK PARK

Bethany Christian School - TROY

Bethel Community Education - ROCKFORD

Bethel Lutheran School - BAY CITY

Bethlehem Lutheran School - SAGINAW

Beverly Hills Academy - Beverly Hills

Birch Grove University Prep - ROCHESTER HLS

Bishop Baraga Catholic School - CHEBOYGAN

Bishop Baraga Catholic School - IRON MOUNTAIN

Bishop Foley Catholic High School - MADISON HEIGHTS

Borculo Christian School - ZEELAND

Bridgeport Baptist Academy - BRIDGEPORT

Brightmont Academy - Birmingham - BIRMINGHAM

Brightmont Academy - Plymouth - PLYMOUTH

Brookfield Academy - LIVONIA

Brookfield Academy - ROCHESTER HILLS

Brookfield Academy - WEST BLOOMFIELD

Brookfield Academy - Troy - TROY

Brookview School - BENTON HARBOR

Brother Rice High School - BLOOMFIELD HILLS

Byron Center Christian School - BYRON CENTER

Cabrini High School - ALLEN PARK

Cadillac Heritage Christian - CADILLAC

Calhoun Christian School - BATTLE CREEK

Calvary Baptist Academy - MIDLAND

Calvary Christian School - FRUITPORT

Calvin Christian Middle School & High School - GRANDVILLE

Cardinal Mooney Catholic School - MARINE CITY

Catholic Central High School - GRAND RAPIDS

Cedar Classical Academy - LANSING

CenterPoint Academy - BURTON

Charlotte SDA School - CHARLOTTE

Childrens Prep Academy - SOUTHFIELD

Chiquitos Bilingual Montessori (Chiquitos Inc) - UTICA

Christ Lutheran School - STEVENSVILLE

Christ the King Lutheran School - SOUTHGATE

Christ the King Lutheran-Sebewaing - SEBEWAING

Christ the King Lutheran-Unionville - UNIONVILLE

Christ the King School - DETROIT

Christian Montessori School - ANN ARBOR

Clonlara School - ANN ARBOR

Concordia Lutheran School - REDFORD

Conductive Learning Center of North America - GRAND RAPIDS

Cornerstone Christian School - BRIGHTON

Cornerstone Schools Association - DETROIT

Corpus Christi Catholic School - HOLLAND

Covenant Christian High School - GRAND RAPIDS

Covenant Christian School - LUDINGTON

Cranbrook School - BLOOMFIELD HILLS

Crescent Academy International - CANTON

Cross Lutheran School - PIGEON

Cross of Glory Lutheran School - WASHINGTON

Crown of Life Lutheran School - WARREN

Daycroft School - ANN ARBOR - 08674

Dearborn Heights Montessori Center - DEARBORN HEIGHTS

DeLaSalle Collegiate High School - WARREN

Detroit Catholic Central High School - NOVI

Detroit Country Day Lower School - BLOOMFIELD HILLS

Detroit Country Day Middle School - BEVERLY HILLS

Detroit Cristo Rey High School - DETROIT

Divine Child Elementary School - DEARBORN

Divine Child High School - DEARBORN

Divine Grace Lutheran School - LAKE ORION

Divine Providence Academy - Conklin - CONKLIN

Divine Providence Academy - Ravenna - RAVENNA

Dreamy Islamic Academy - DEARBORN HEIGHTS

Dutton Christian School - CALEDONIA - 00820

Eagle Creek Academy - OAKLAND

Early Impressions - SOUTHFIELD

East Martin Christian School - MARTIN

Eastside Christian School - GRAND RAPIDS

Ebenezer Christian School - ELLSWORTH

Emanuel First Lutheran School - LANSING

Emanuel Lutheran School - TAWAS CITY

Emerson School - ANN ARBOR

Emmanuel Lutheran School - DEARBORN

Eton Academy - BIRMINGHAM

Everest Academy - CLARKSTON

Evergreen Lutheran School - DETROIT

Faith Baptist School - DAVISON

Faith Christian Academy - SOUTHFIELD

Faith Community Christian School - BELDING

Faith Lutheran School - BAY CITY

Farber Hebrew Day School - Yeshivat Akiva - SOUTHFIELD

Fellowship Baptist Academy - CARSON CITY

First Flint SDA School - FLINT

Fr. Gabriel Richard High School - ANN ARBOR

Fr. Marquette Catholic School - MARQUETTE

Fremont Christian School - FREMONT

Gabriel Richard Catholic High School - RIVERVIEW

Gagie School - KALAMAZOO

Genesee Academy - SWARTZ CREEK

Genesee Christian School - BURTON

Gesu Elementary School - DETROIT

Gobles Junior Academy - GOBLES

God's Lighthouse - LAMBERTVILLE

Grace Christian School - SAGINAW

Grace Christian School - WATERVLIET

Grace Lutheran School - SAINT JOSEPH

Grand Blanc Montessori - GRAND BLANC

Grand Haven Christian School - GRAND HAVEN

Grand Rapids Adventist Academy - GRAND RAPIDS

Grand Rapids Christian Elementary School - GRAND RAPIDS

Grand Rapids Christian Elementary School - Evergreen Campus - GRAND RAPIDS

Grand Rapids Christian High School - GRAND RAPIDS

Grandville Christian School - GRANDVILLE

Grant Christian School - GRANT

Grayling SDA School - GRAYLING

Great Revelations Academy - DEARBORN

Greater Lansing Adventist School - LANSING

Greater Lansing Islamic School - EAST LANSING

Greenhills School - ANN ARBOR

Grosse Pointe Academy - GROSSE POINTE FARMS

Guardian Angels School - CLAWSON

Guardian Lutheran School - DEARBORN

Hackett Catholic Prep - KALAMAZOO

Hadi Educational Institute - DEARBORN

Harbor Light Christian School - HARBOR SPRINGS

Hastings SDA School - HASTINGS

Heritage Christian Academy - KALAMAZOO

Hillel Day School - FARMINGTON HILLS

Hillsdale Academy - HILLSDALE

Holland Adventist Academy - HOLLAND

Holland Christian High School - HOLLAND

Holt Lutheran Schools - HOLT

Holy Cross Catholic School - MARINE CITY

Holy Cross Lutheran School - SAGINAW

Holy Family Regional School - ROCHESTER HILLS

Holy Family School - EAST TAWAS

Holy Family School - GRAND BLANC

Holy Ghost Lutheran School - MONROE

Holy Name School - BIRMINGHAM

Holy Name School - ESCANABA

Holy Redeemer Elementary School - DETROIT

Holy Spirit Central School - NORWAY

Holy Spirit Roman Catholic School - BRIGHTON

Holy Spirit School - GRAND RAPIDS

Holy Trinity Catholic School - COMSTOCK PARK

Holy Trinity Ev Lutheran School - WYOMING

Hope Christian Academy - WESTLAND

Hope Protestant Reformed Christian School - GRAND RAPIDS

Howardsville Christian School - MARCELLUS

Huda School and Montessori - FRANKLIN

Huda Upper School - FARMINGTON HILLS

Hudsonville Christian School - HUDSONVILLE

Huron Valley Catholic School - YPSILANTI

Imlay City Christian School - IMLAY CITY

Immaculate Conception Elementary School - TRAVERSE CITY

Immaculate Conception School - IRA

Immaculate Conception School - THREE RIVERS

Immaculate Conception Ukranian School - WARREN

Immaculate Heart of Mary - LANSING

Immaculate Heart of Mary School - GRAND RAPIDS

Immanuel - St. James Lutheran School - GRAND RAPIDS

Immanuel Lutheran School - ALPENA

Immanuel Lutheran School - BAY CITY

Immanuel Lutheran School - MACOMB

Immanuel Lutheran School - SAGINAW

Interlochen Arts Academy - INTERLOCHEN

Ithaca SDA School - ITHACA

Jackson Christian School - JACKSON

Japhet School - CLAWSON

Jenison Christian School - JENISON

Journey Academy - ADA

Kalamazoo Christian High School - KALAMAZOO

Kalamazoo Christian School - KALAMAZOO

Kalamazoo Country Day - PORTAGE

Kalamazoo SDA School - KALAMAZOO

Kazoo School - KALAMAZOO

Laingsburg Christian School - LAINGSBURG

Lake Michigan Academy - GRAND RAPIDS

Lake Michigan Catholic MS/HS - SAINT JOSEPH

Lake Michigan Catholic School - SAINT JOSEPH

Lake Orion Baptist School - LAKE ORION

Lakes Area Montessori School - WALLED LAKE

Lamont Christian School - COOPERSVILLE

Lansing Christian School - LANSING

Leelanau School - GLEN ARBOR

Legacy Christian Elementary School - GRAND RAPIDS

Legacy Christian School - GRAND RAPIDS

Lenawee Christian School - ADRIAN

Libertas Christian School - HUDSONVILLE

Light of Christ Academy - AUGUSTA

Living Stones Academy - Grand Rapids

Livingston Christian Schools - BRIGHTON

Loyola High School - DETROIT

Ludington Area Catholic School - LUDINGTON

Lumen Christi Catholic School - JACKSON

Lutheran High School NW - ROCHESTER HILLS

Lutheran High School-North - MACOMB

Lutheran High School-Westland - WESTLAND

Macomb Christian Schools - WARREN

Maple Tree Montessori Academy - BRIGHTON

Maria Montessori Center - FARMINGTON HILLS

Marian High School - BLOOMFIELD HILLS

Meadow Montessori School - MONROE

Memorial Lutheran School - WILLIAMSTON

Mercy High School - FARMINGTON HILLS

Michigan Islamic Academy - ANN ARBOR

Michigan Lutheran High School - SAINT JOSEPH

Michigan Montessori Internationale School - OKEMOS

Midland Christian School - MIDLAND

Moline Christian School - MOLINE

Monroe Catholic ES - St. John Campus - MONROE

Monroe Catholic ES - St. Mary Campus - MONROE

Monroe Catholic ES - St. Michael Campus - MONROE

Montessori Childrens Academy - CLINTON TOWNSHIP

Montessori Children's Center - KALAMAZOO

Montessori Children's Center of Allen Park, Inc. - ALLEN PARK

Montessori Childrens House - LANSING

Montessori Children's House, Grand Traverse - TRAVERSE CITY

Montessori Society of Greater G.R. - GRAND RAPIDS

Montessori Stepping Stones - MOUNT CLEMENS

Most Holy Trinity School - DETROIT

Most Holy Trinity School - FOWLER

Mt. Pleasant SDA School - MOUNT PLEASANT

Muskegon Catholic Central - MUSKEGON

Muskegon Christian School - MUSKEGON

Muslim American Youth Academy - DEARBORN

ND Marist Academy-Lower Div. - PONTIAC

New Covenant Christian School - LANSING

New Era Christian School - NEW ERA

New Life Christian Academy - KIMBALL

New Morning School - PLYMOUTH

Niles SDA School - NILES

Noor Academy - ROCHESTER HLS

Northern Michigan Christian School - MC BAIN

Northpointe Christian School - GRAND RAPIDS - 01592

Northville Christian School - NORTHVILLE

Notre Dame Preparatory School - PONTIAC

Nouvel Catholic Central Elementary - SAGINAW

Nouvel Catholic Central High School - SAGINAW

Novi Christian Academy - NOVI

Oakdale Academy - WATERFORD

Oakland Children's Academy - TROY

Oakland Christian School - AUBURN HILLS

Oakwood christian Preschool and Daycare - BELDING

Oceana Christian School - HART

Oholei Yosef Yitzchak Lubavitch - OAK PARK

Otsego Christian School - GAYLORD

Our Lady of Consolation School - ROCKFORD

Our Lady of Good Counsel School - PLYMOUTH

Our Lady of Lake Huron School - HARBOR BEACH

Our Lady of Refuge School - ORCHARD LAKE

Our Lady of Sorrows School - FARMINGTON HILLS

Our Lady of the Lake School - PRUDENVILLE

Our Lady of the Lakes School - WATERFORD

Our Lady of Victory School - NORTHVILLE

Our Lady Queen of Martyrs School - BEVERLY HILLS

Our Lady Star of the Sea School - GROSSE POINTE WOODS

Our Savior Lutheran School - GRAND RAPIDS

Our Savior Lutheran School - HARTLAND

Our Savior Lutheran School - LANSING

Our Shepherd Lutheran School - BIRMINGHAM

Pam's Academy of Champions - LANSING

Parkway Christian School - STERLING HEIGHTS

Peace Lutheran School - LIVONIA

Peace Lutheran School - SAGINAW

Peace Lutheran School - SHELBY TOWNSHIP

Peterson-Warren Academy - INKSTER

Plymouth Christian Academy - CANTON

Plymouth Christian School - GRAND RAPIDS

Potters House High School - WYOMING

Potters House School - WYOMING

Precious Angels Christian Academy - CHESTERFIELD

Queen of Miraculous Medal School - JACKSON

Reformed Heritage Christian School - KALAMAZOO

Regina High School - WARREN

Resurrection School - LANSING

River of Life School - BENTON HARBOR

Rochester Hills Christian - ROCHESTER HILLS

Rockford Christian School - ROCKFORD

Roeper City and Country Elementary School - BLOOMFIELD HILLS

Roeper City and Country Upper - BIRMINGHAM

Roots Montessori - PLYMOUTH

Rose Park Christian School - HOLLAND

Rudolf Steiner High School - ANN ARBOR

Rudolf Steiner School of Ann Arbor - ANN ARBOR

Sacred Heart Academy - GRAND RAPIDS

Sacred Heart Academy - MOUNT PLEASANT

Sacred Heart School - DEARBORN

Sacred Heart School - HUDSON

Sacred Heart School - MOUNT PLEASANT

Saginaw Chippewa Indian Tribe of Michigan - MOUNT PLEASANT

Saint John Paul II Catholic Academy - MENOMINEE

San Juan Diego Academy - WYOMING

School of Love - DETROIT

Schoolhouse Montessori Academy - CANTON

Shajara Tayyiba School - WESTLAND

Shepherd of the Lakes Lutheran School - BRIGHTON

Shrine Catholic Grade School - ROYAL OAK

Shrine Catholic High School & Academy - ROYAL OAK

Skeels Christian School - GLADWIN

South Olive Christian School - HOLLAND

South Side Christian School - HOLLAND

Southfield Christian School - SOUTHFIELD

Spiritus Sanctus Academy - ANN ARBOR

Spiritus Sanctus Academy - PLYMOUTH

Springfield Christian Academy - CLARKSTON

SS. Peter and Paul School - IONIA

St. Ann School - CADILLAC

St. Anne Catholic Grade School - WARREN

St. Anthony of Padua School - GRAND RAPIDS

St. Augustine Cathedral School - KALAMAZOO

St. Augustine Catholic School - RICHMOND

St. Bartholomew Lutheran School - KAWKAWLIN

St. Basil School - SOUTH HAVEN

St. Brigid Catholic School - MIDLAND

St. Catherine of Siena Academy - WIXOM

St. Charles Borromeo Catholic School - COLDWATER

St. Charles Catholic School - GREENVILLE

St. Charles School - NEWPORT

St. Clare of Montefalco School - GROSSE POINTE PARK

St. Edith Catholic School - LIVONIA

St. Edward on the Lake School - LAKEPORT

St. Elizabeth Catholic School - REESE

St. Fabian Catholic School - FARMINGTON HILLS

St. Frances Cabrini School - ALLEN PARK

St. Francis de Sales School - MANISTIQUE

St. Francis High School - TRAVERSE CITY

St. Francis of Assisi School - ANN ARBOR

St. Francis Xavier School - PETOSKEY

St. Gerard School - LANSING

St. Germaine Elementary School - SAINT CLAIR SHORES

St. Hugo of the Hills School - BLOOMFIELD HILLS

St. Ignatius Catholic School - ROGERS CITY

St. Isaac Jogues Catholic School - SAINT CLAIR SHORES

St. Joan of Arc School - SAINT CLAIR SHORES

St. John Ev Lutheran School - PIGEON

St. John Lutheran School - BAY CITY

St. John Lutheran School - FRASER

St. John Lutheran School - NEW BOSTON

St. John Lutheran School - ROCHESTER

St. John Lutheran School - ROGERS CITY

St. John Paul II Classical Catholic School - LINCOLN PARK

St. John the Evangelist School - FENTON

St. John the Evangelist School - JACKSON

St. John Vianney School - FLINT

St. John Vianney School - WYOMING

St. John's Evangelical Lutheran School - WESTLAND

St. Johns Lutheran Amelith - BAY CITY

St. Johns Lutheran School - GRAND HAVEN

St. John's Lutheran School - MIDLAND

St. Joseph Catholic School - ERIE

St. Joseph Catholic School - LAKE ORION

St. Joseph Elementary School - BATTLE CREEK

St. Joseph Middle School - BATTLE CREEK

St. Joseph School - HOWELL

St. Joseph School - PEWAMO

St. Joseph School - TRENTON

St. Joseph School - WEST BRANCH

St. Joseph the Worker School - MOUNT PLEASANT

St. Lawrence School - UTICA

St. Linus School - DEARBORN HEIGHTS

St. Lorenz Lutheran School - FRANKENMUTH

St. Martha School - OKEMOS

St. Mary Assumption School - BRONSON

St. Mary Cathedral School - GAYLORD

St. Mary Catholic Central High School - MONROE

St. Mary Catholic School - BIG RAPIDS

St. Mary Catholic School - SAULT SAINTE MARIE

St. Mary School - ALMA

St. Mary School - CHARLEVOIX

St. Mary School - CHARLOTTE

St. Mary School - LAKE LEELANAU

St. Mary School - MOUNT CLEMENS

St. Mary School - NILES

St. Mary School - PAW PAW

St. Mary School - PINCKNEY

St. Mary School - ROYAL OAK

St. Mary School - WESTPHALIA

St. Mary School - WILLIAMSTON

St. Mary Star of the Sea School - JACKSON

St. Mary/McCormick Catholic Academy - PORT HURON

St. Mary's Catholic School - SPRING LAKE

St. Mary's of Hannah School - KINGSLEY

St. Mary's Preparatory School - ORCHARD LAKE

St. Mary's Visitation School - BYRON CENTER

St. Matthew Lutheran School - WALLED LAKE

St. Matthew Lutheran School - WESTLAND

St. Michael Lutheran School - RICHVILLE

St. Michael Lutheran School - WAYNE

St. Michael School - GRAND LEDGE

St. Michael School - LIVONIA

St. Michael School - PINCONNING

St. Michael School - REMUS

St. Michael's Lutheran School - PORTAGE

St. Monica School - KALAMAZOO

St. Patrick School - ADA

St. Patrick School - BRIGHTON

St. Patrick School - CARLETON

St. Patrick School - WHITE LAKE

St. Patrick's School - PORTLAND

St. Paul Lutheran School - ANN ARBOR

St. Paul Lutheran School - BAY CITY

St. Paul Lutheran School - FLINT

St. Paul Lutheran School - LAPEER

St. Paul Lutheran School - LIVONIA

St. Paul Lutheran School - MILLINGTON

St. Paul Lutheran School - NORTHVILLE

St. Paul Lutheran School - ROYAL OAK

St. Paul Lutheran School - SOUTH HAVEN

St. Paul School - GROSSE POINTE FARMS

St. Paul School - OWOSSO

St. Paul The Apostle School - GRAND RAPIDS

St. Paul's Lutheran School - STEVENSVILLE

St. Peter Lutheran School - BIG RAPIDS

St. Peter Lutheran School - EASTPOINTE

St. Peter Lutheran School - HEMLOCK

St. Peter Lutheran School - MACOMB

St. Peter Lutheran School - SAINT JOHNS

St. Peter's Lutheran School - RICHMOND

St. Philip Catholic Central High School - BATTLE CREEK

St. Pius Catholic School - SOUTHGATE

St. Regis School - BLOOMFIELD HILLS

St. Robert Bellarmine School - FLUSHING

St. Robert Catholic School - ADA

St. Rose of Lima Catholic School - HASTINGS

St. Stanislaus School - DORR

St. Stephen Elementary School - NEW BOSTON

St. Stephen Lutheran School - ADRIAN

St. Thecla Catholic School - CLINTON TOWNSHIP

St. Therese Catholic School - WAYLAND

St. Thomas Aquinas School - EAST LANSING

St. Thomas the Apostle School - ANN ARBOR

St. Thomas the Apostle School - GRAND RAPIDS

St. Valentine School - REDFORD

St. William Catholic School - WALLED LAKE

State Line Christian School - TEMPERANCE

Stepping Stones Montessori School - EAST LANSING

Sundai Michigan, Inc. (n/k/a Sundai USA, Inc.) - NOVI

Tawheed Center of Detroit School - DEARBORN HEIGHTS

Temple of Faith Day Care Kindergarten - DETROIT

The Goddard School - MACOMB

The Montessori School Rochester - ROCHESTER HLS

The Pathfinder School, Inc. - TRAVERSE CITY

Traverse City Christian School - TRAVERSE CITY

Tree of Life PreK-8 School & Path of Life High School - KALAMAZOO

Tri-City SDA School - MIDLAND

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 - PAW PAW

Trinity Lutheran School - REED CITY

Trinity Lutheran School - REESE

Trinity Lutheran School - SAINT JOSEPH

Trinity Lutheran School - STURGIS

Trinity Lutheran School - TRAVERSE CITY

Trinity Lutheran School - UTICA

Tri-Unity Christian School - WYOMING

Troy Academy of STEM - TROY

Troy Adventist Academy - TROY

Unity Christian High School - HUDSONVILLE

University of Detroit Jesuit - DETROIT

University School-Andrews Academy - BERRIEN SPRINGS

University-Liggett School - GROSSE POINTE WOODS

Upland Hills School - OXFORD

Valley Lutheran High School - SAGINAW

Village SDA Elementary School - BERRIEN SPRINGS

Waldorf School Assn. of Michigan - DETROIT

Warren Woods Christian School - WARREN

Washtenaw Christian Academy - SALINE

West Catholic High School - GRAND RAPIDS

West Michigan Lutheran High School - WYOMING

West Shore Lutheran School - MUSKEGON

West Side Christian School - GRAND RAPIDS

Western Michigan Christian High School - MUSKEGON

Westland Christian Academy - WESTLAND

Westshore Christian Academy - MUSKEGON HTS

Westside Christian Academy - REDFORD

WISE Academy - DEARBORN HEIGHTS

Wixom Christian School - WIXOM

Yeshiva Beth Yehudah School - SOUTHFIELD

Yeshivah Gedolah High School - OAK PARK

Yeshivas Darchei Torah - SOUTHFIELD

Zeeland Christian School - ZEELAND

Zion Christian School - BYRON CENTER

Zion Lutheran Church and School - AUBURN

Zion Lutheran School - BAY CITY

Zion Lutheran School - HARBOR BEACH

Zion Lutheran School - MONROE

Figure 8. 2023-24 Michigan Virtual ISD, LEA, PSA Districts and Nonpublic Schools with Professional Learning Enrollments
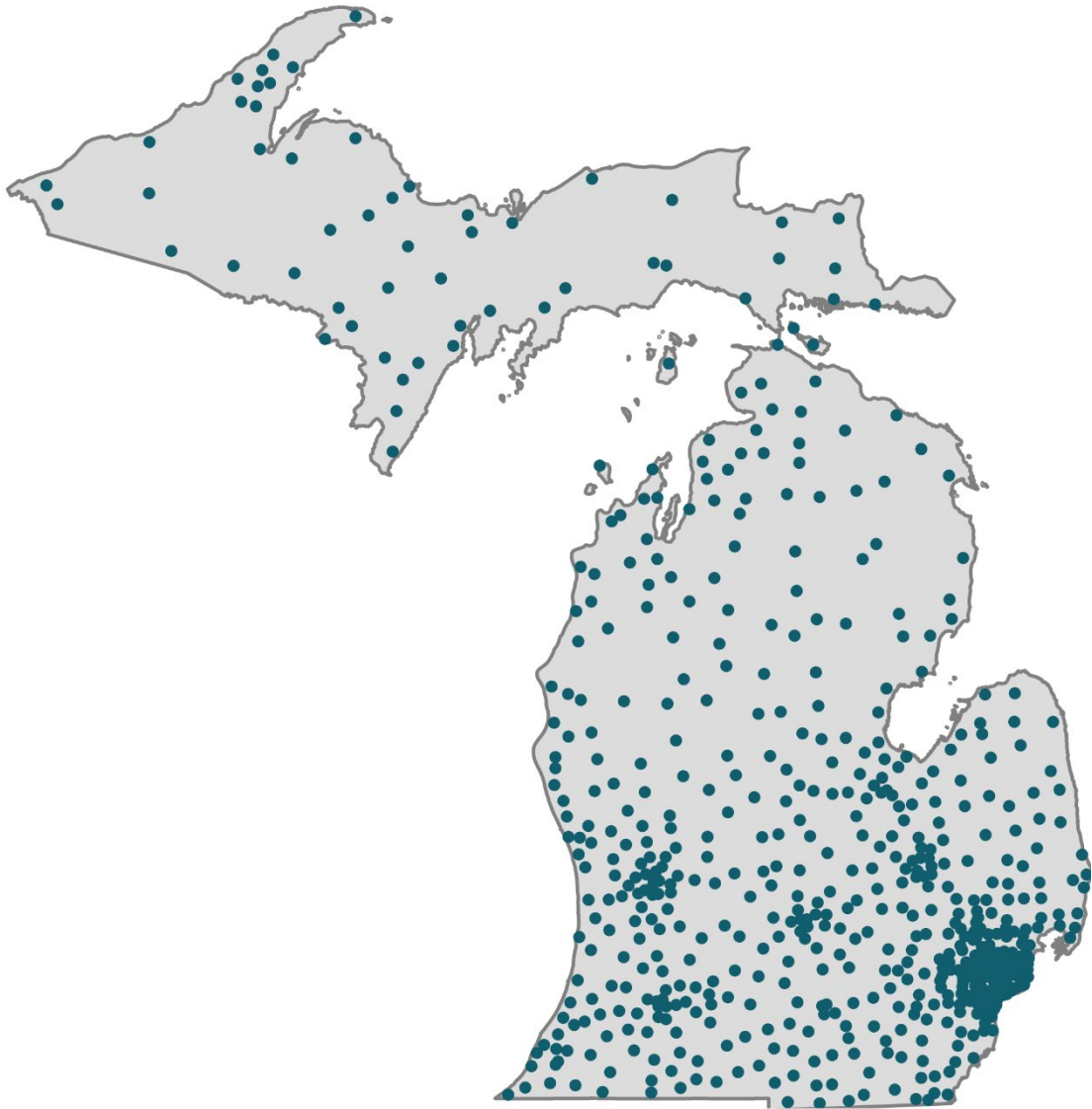
Endnotes

[1] More information about the *2025-2030 Michigan Virtual Strategic Plan* is available at https://michiganvirtual.org/strategic-planning/

[2] Statistics cited from *Michigan's K-12 Virtual Learning Effectiveness Report, 2022-23* are available at https://michiganvirtual.org/research/publications/michigans-k-12-virtual-learning-effectiveness-report-2022-23/

[3] See the *Michigan Merit Curriculum Guidelines: Online Experience* document available at https://www.michigan.gov/-/media/Project/Websites/mde/Year/2006/10/18/Online1006_final.pdf

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

[5] The statewide catalog of online courses can be found at https://micourses.org

[6] Center for Educational Performance and Information Detailed Entity Search is available at https://cepi.state.mi.us/eem/EntitySearchDetailed.aspx

[7] The statewide virtual learning pass rate of 65% comes from Michigan's K-12 Virtual Learning Effectiveness Report, 2022-23 available from https://michiganvirtual.org/er22-23

[8] MI School Data. (2024, November 15). Staffing count. Retrieved from https://www.mischooldata.org/staffing-count/

[9] Michigan Department of Education. (2024). *Children win with Gov. Whitmer's signature of historic literacy/dyslexia law*. Retrieved from https://www.michigan.gov/mde/news-and-information/press-releases/2024/10/10/children-win-with-gov-whitmers-signature-of-historic-literacy-dyslexia-laws

[10] Michigan Department of Education. (n.d.). *Mentoring and induction standards*. Retrieved November 25, 2024, from https://www.michigan.gov/mde/services/ed-serv/educator-retention-supports/mentoring-and-induction-supports/mentoring-and-induction-standards

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