MDE IT System and Process Roadmap Presentation

OCTOBER 14-15, 2024 - DAVE JUDD - DIRECTOR OSET/MDE



Michigan's Top 10 Strategic Education Plan



- Michigan's education plan
- Focus education efforts to support learners
- Plan components:
 - Mission and vision
 - 6 Guiding principles
 - 8 Goals
 - Metrics for each goal
- Opportunity to share contributions through the Promising Practices Exchange



Goals



- Expand early childhood learning opportunities
- Improve early literacy achievement
- Improve the health, safety, and wellness of all learners
- Expand secondary learning opportunities for all students
- Increase the percentage of all students who graduate from high school
- Increase the percentage of adults with a post-secondary credential
- Increase the numbers of certified teachers in areas of shortage
- Provide adequate and equitable school funding

Visit michigan.gov/mde for more information





MDE Mission Statement

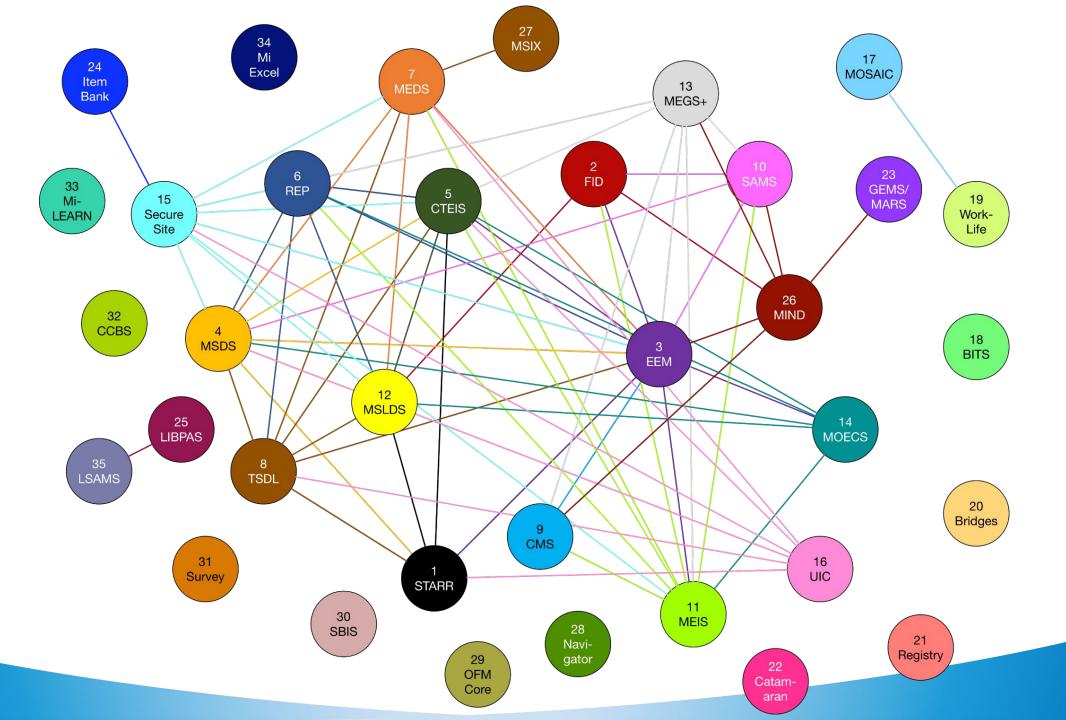
Support Learning and Learners.



Beyond Compliance



INTERFACES MDE AND CEPI CORE **SYSTEMS**



Mapping Core Data Systems

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Executive Management

Governance Board

Data Architects

Data Stewards

Data Managers

Roles & Responsibilities of the Data Governance Board:

- Decision Making
- Evaluate solutions
- Prioritization
- Communication
- Escalation point for data definition decisions

MDE IT RoadMap

Vision

Reinvent the department's information technology systems to provide a common approach and **improved** user experience which will support learning and learners in Michigan.



MDE IT RoadMap

Goals

- Centralize and simplify the management and governance of all MDE systems.
- Reduce the number of individual systems that are maintained by the department.
- Develop a single common sign on and technical approach that connects users to all the department's systems.
- Leverage and expand existing technology infrastructure instead of building standalone systems.
- Collaborate with our education partners to provide users, such as the Michigan Data Hubs, with comprehensive access to relevant data and useful information.
- Move systems, wherever possible, into cloud-based solutions.
- Integrate reporting and data analytic tools, such as Power BI, into new systems.

MDE IT RoadMap

Benefits

- Like systems are renewed at the same time.
- Provides the department with the ability to financially plan for system upgrades.
- Allows for the best use of MDE and DTMB resources.
- Establishes a concurrent cycle for system upgrades.



Status update:

- MiEdWorkForce project combines MOECS and REP and aligns data systems to CEDS data standard while moving application and hosting into the Azure cloud.
- MICIP system, process, mindset successfully developed utilizing MiDataHub technology and ISD development expertise with 100% district adoption.
- Ongoing positive collaboration with CEPI on all current and upcoming system upgrades.
- MiLogin rollout into all IT systems continues.
- PowerBI usage is increasing in MDE and ongoing training is planned to improve utilization of data for policy decisions.

Success Story: MiLearn

Michigan Linked Educational Assessment Reporting Network



Collaboration

MDE, MiDataHub, ESCs, Districts, SIS Vendors





Trust

- System is optional for districts
- Districts provide student class roster information to MDE that isn't mandated



- Parents, students and educators can access their M-STEP, PSAT, and SAT test scores for multiple years
- Access is single sign-on from SIS parent/student portals and teacher gradebooks

Success Story: State Assessment Service

Transfer of State Assessment Data to MiDataHub



Collaboration

MDE, MiDataHub, CEPI





Trust

- Districts opt into service
- State sends data for students who are in the district ODS



- Districts have historical M-STEP, PSAT and SAT data loaded to their ODS, where they can use it along with other data
- Provides assessment data for students they have today
- Avoids downloading and interpreting CSV files

Success Story: MICIP

Michigan Integrated Continuous Improvement Process



Collaboration

MDE, MiDataHub, MAISA





Trust

- District ability to source data from multiple sources for planning and monitoring
- MDE only has access to data as presented in completed plans for plan review and approval



- Leveraged agreement and SSO from MiDataHub
- District voice in system creation

Success Story: Benchmark Assessment Mandate

Legislative response to COVID-19 learning loss



Collaboration

MI Legislature, MDE, CEPI, MiDataHub,
 Vendors, Research Partners, Districts, ISDs





Trust

- Districts provide student level assessment data to MiDataHub
- Assessment data aggregated and used by research partners



- Saves districts time of creating complex aggregate template
- Provided information to legislature to target funding to areas most needed

Questions?



