

MDE Assessment Updates



Michigan School Testing Conference 2018

- **M-STEP Changes**
- **Benchmark Testing**
- **Science**
- **Parent Dashboard**

What's new in assessment this year?



- Must reduce testing time for M-STEP to a total combined time of 3 hours for math and ELA on average
- Must issue and RFI/RFP for no fewer than three benchmark assessment tools for use in Michigan (paid for by the state)
- New science assessments

Shortening ELA: Grades 3 – 8



- Removal of Performance Tasks at grades 5 and 8
- Removal of short Constructed Response items at grades 3, 4, 6, and 7
- Addition of Text-Dependent Essay Item to all grades 3 – 8
 - Students read a passage
 - Literary passage or Informational passage
 - Approximately 500 words depending on grade level
 - Constructed Response Essay
 - Aligns to Claim 2, Target 4: write an informational text

Shortening ELA: Grades 3 – 8



Example prompts:

- How does the setting of the story contribute to the development of the plot?

Passage

Carefully read the passage. Then complete the task that follows.

The Rhinoceros and the Bird

The rhinoceros was the grumpiest animal in all of Africa. He was always in a horrible mood. He stamped his feet, charged at any animal that passed by, and frightened all animals with his long, pointed horn. He seemed to almost enjoy throwing his weight around. He was so unpleasant and mean, none of the other animals would have anything to do with him. Because of this, he was also very lonely. That made him even grumpier.

One day, the rhinoceros stood alone snorting and grumbling to himself under a ginkgo tree. He noticed a little bird perched cheerfully on a branch above him.

"Hello down there," chirped the bird.

"Go away and leave me alone!" huffed the rhinoceros.

"I would like to ask you a question," the bird insisted.

The rhinoceros was so surprised that the bird was still speaking to him, he forgot to be grumpy. "Aren't you afraid of me?" asked the rhinoceros.

"Not at all," answered the bird. He was safely out of reach of the rhinoceros. Besides, the bird was too curious to be afraid.

"I was just wondering," continued the bird, "what in the world makes you so grumpy? You must know that's why you have no friends."

The rhinoceros stamped impatiently. "I know. I can't help it," he snapped. "You would feel bothered too, if your back were always as itchy as mine."

Shortening Mathematics: Grades 3 – 8

- Removal of Performance Tasks at grades 3 – 8
- Addition of 2 – 4 machine-scored items (not CRs)
 - Aligns to Claim 2 and Claim 4
- One part = One test ticket



Spring 2018 Estimated Test Session Timings Grades 3–8

Subject	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
ELA Computer Adaptive	2:00	2:00	2:00	2:00	2:00	2:00
Math Computer Adaptive	1:30	1:30	1:30	2:00	2:00	2:00
Science Field Test	NA	NA	0:45	NA	NA	0:45
Social Studies Part 1	NA	NA	0:30	NA	NA	0:30
Social Studies Part 2	NA	NA	0:30	NA	NA	0:30
Estimated Total Hours for Spring 2018	3:30	3:30	5:15	4:00	4:00	5:45

Times have been reduced from last year's estimated total hours.

Time Saved in Spring 2018	:30	2:10	2:25	:30	2:30	2:45
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NOTE: Times are in hours:minutes. Example, 1:30 equals 1 hour 30 minutes.

Benchmark Assessments

- Requests for Proposals (RFP)
 - Currently in the evaluation period
 - Majority of review committee consists of educators from outside of MDE.
 - Create a “pre-qualified” list of vendors for Michigan schools to select from
 - ELA and Mathematics only
 - Online only
 - Effective Fall 2018

Benchmark Assessments

- Characteristics
 - Highest quality
 - Follows current best practices
 - Minimizes burden to schools
 - Offers accommodation tools for students with disabilities or other needs
 - Timely reports
 - Conforms to the Standards of Educational and Psychological Testing

What about next year? Changes for 2018-19

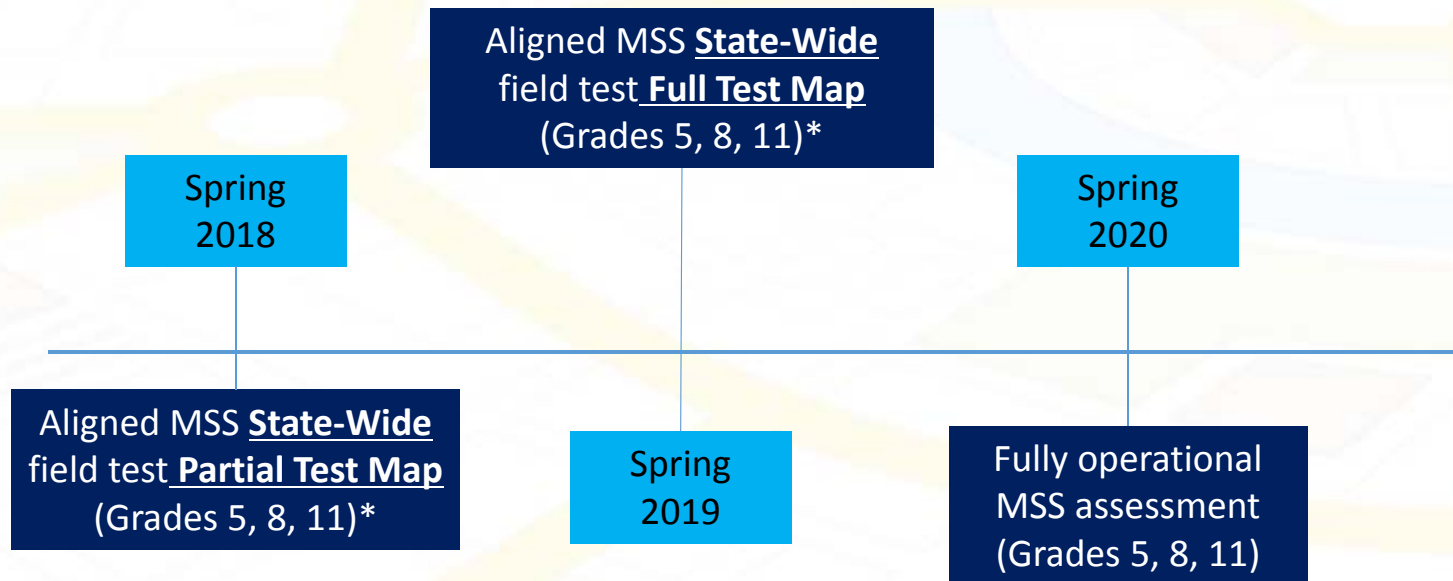
- Benchmark test begin based on 2017 RFP
 - Plan is to use in parent-transparency dashboard, but not for high stakes purposes
- 8th grade – Transition from M-STEP for ELA and Mathematics to PSAT 8/9
 - M-STEP Science and Social Studies still apply to grade 8
 - Plan to still offer M-STEP ELA and Mathematics as an optional assessment

Spring 2019 : PSAT 8/9 in 8



- PSAT 8/9 in 8th grade will replace M-STEP Mathematics and ELA
- The assessment is approximately 2 hours and 40 minutes
- Includes sections for Reading, Writing & Language, and Mathematics
- Information for middle schools on how to establish, set-up, and administer the PSAT in 2019 will be coming soon from both MDE and the College Board.

New Science Assessments



*Accountability related to school participation in pilot / field test in 2018 and 2019.
Operational assessment of GLCEs and HSCEs will NO LONGER be conducted.

2018 – 2019 Field Tests



2018 – Field Test

- 2 Forms per grade (5, 8, 11)
- Partial Test Map
- 3 Item Clusters per Form
 - 1- Physical Science
 - 1- Earth Science
 - 1- Life Science

2019 – Field Test

- 2 Forms per grade (5, 8, 11)
- Full Test Map
- 6 Item Clusters per Form
 - 2- Physical Science
 - 2- Earth Science
 - 2- Life Science

Develop and include student supports:
Paper-pencil form, Text-to-Speech, Accommodated form, Braille form, Translations

Released Annotated Item Clusters


Grade 5 Science Training Student

Question 1

Lights Out! (Part 1)

Students are learning about eyes in science class. During their class discussion, a power outage occurs and the lights go out in the classroom. While the teacher looks for a flashlight, one student exclaims, "I can't see anything!"

The teacher turns on a flashlight and points it across the classroom to a plant on a table. The teacher says, "This makes me wonder how we are able to see the plant."



Which statement **best** describes how the students are able to see the plant?

- Once the plant produces its own light, the students can observe the plant.
- Once the plant absorbs all the light from the flashlight, the students can observe the plant.
- The light from the flashlight is reflected toward the students' eyes and then back to the plant.
- The light from the flashlight is reflected off of the plant and then enters the students' eyes.

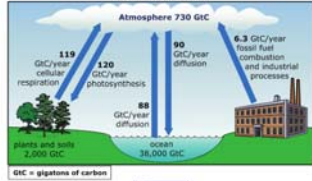
Review/End Test Pause Flag

Grade 11 Science Training Student

Question 1

Atmospheric Changes over Time (Part 1)

The gases that make up Earth's atmosphere have changed over time. Scientists measure the levels of carbon dioxide (CO₂) in Earth's atmosphere. The simplified Carbon Cycle Model shows locations where carbon is stored and processes that move carbon from one location to another.



Carbon Cycle Model

Atmosphere 730 GtC

119 GtC/year cellular respiration

120 GtC/year photosynthesis

90 GtC/year diffusion

68 GtC/year diffusion

36,000 GtC ocean

2,000 GtC plants and soils

9.3 GtC/year fossil fuel combustion and industrial processes

GtC = gigatons of carbon

Scientists can use carbon cycle models to help make predictions about the amounts of carbon in different locations. Use this Carbon Cycle Model to identify **all** the processes that would decrease CO₂ in the atmosphere if the rate of that process were to increase.

- photosynthesis
- cellular respiration
- fossil fuel combustion
- diffusion into the ocean
- diffusion into the atmosphere

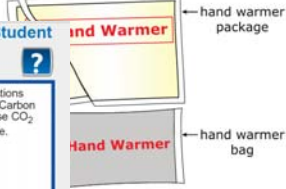
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Grade 8 Science Training Student

Question 1

How do Hand Warmers Work? (Part 1)

Two students are outside in the cold, waiting for a bus. One of the students has a package of hand warmers and offers to share them with the other student. The student opens the package and they each put a hand warmer bag in one of their gloves.



← hand warmer package

← hand warmer bag

This question has two parts.

Part A: Use the data table to complete the following statement.

The students can tell that a chemical reaction involving iron _____ because a new substance _____ form overnight.

Part B: Choose one set of properties that **best** supports the completed statement in Part A.

- density and color
- color and volume
- volume and texture
- texture and mass
- mass and density

es, the students notice that the hand warmer warm. The students want to know how hand warm. They decide to ask their science teacher if materials inside the hand warmer bags. After sents on the hand warmer package, the students in iron because it is the most common ingredient.

igned the following procedure. hand warmer package.

More Text Below

Pause Flag

Next

<https://wbte.drcedirect.com/MI/portals/mi/>



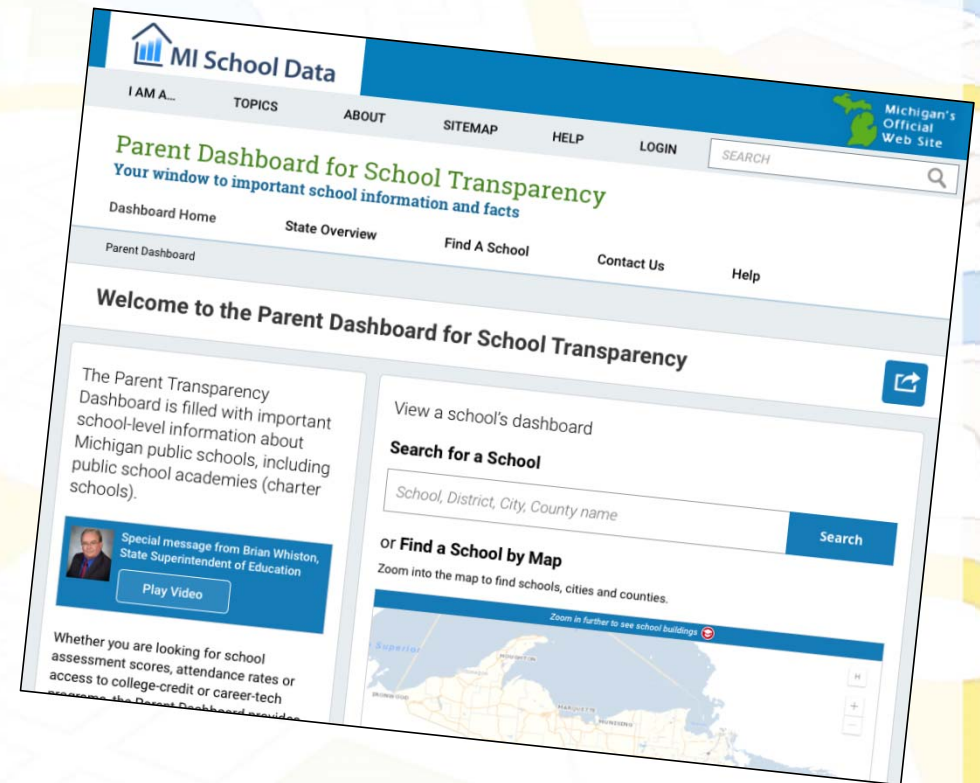
Parent Dashboard for School Transparency





Launched January 9, 2018!

- Began with conversations related to the Every Student Succeeds Act (2015)
- Requested by parents and other education stakeholders
- Initiated by State Board of Education policy (2017)
- Has been architected, designed, tested, and is now implemented

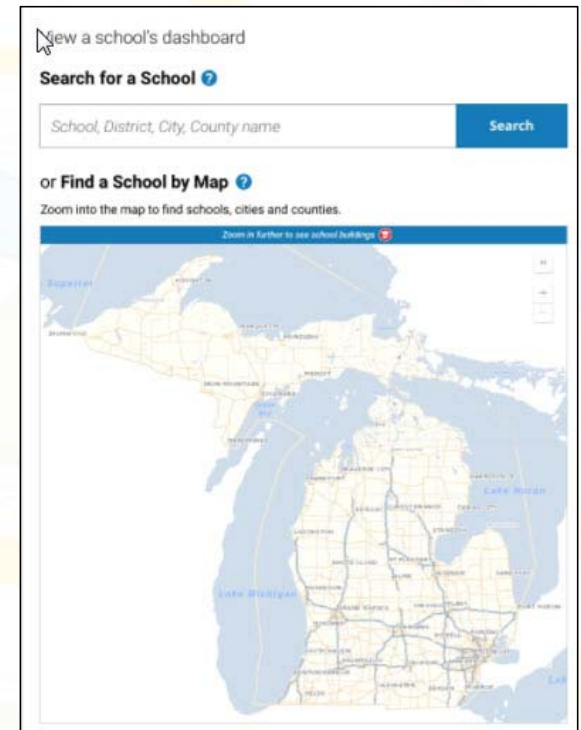


www.MISchoolData.org/ParentDashboard



An Easy-to-Use Parent Dashboard

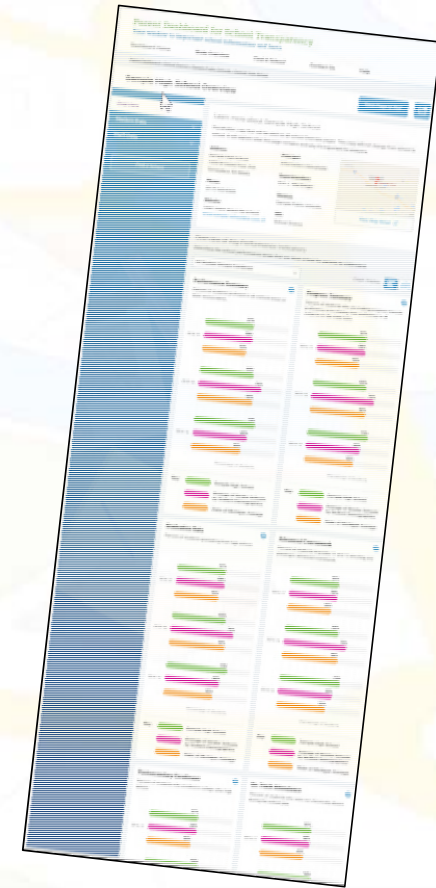
- Provides one easy location where parents and caregivers can view **building-level** data they say are important to them
- Offers a more balanced picture of school quality, since it contains information about more than just test scores
- Shows the performance of every public school in Michigan, including public school academies





Dashboard Features

- Quickly find a school, learn about it, view its performance, and drill in for more detail
- Compare a school's performance over 3 years to peer schools and the state of Michigan
- Find answers to common questions within each page, or through Help or Contact pages
- Easily share and print information from any page
- Learn more about overall state of Michigan performance on similar indicators





Designed with Parent and Educator Input

- ESSA work groups and surveys
- Dashboard survey
 - October 31-November 6, 2017
 - 4,200 responses
- Parent advisory group
- Focus groups
- Online user survey





What is shown on the Parent Dashboard?

- School-level information
- Nearly 20 different factors
- Includes three years of data (where available)

School Overview Data

- State test results
 - Student performance
 - Student growth
- Graduation rate
- English learner progress
- Participation on state tests
- Advanced coursework (HS)
- Postsecondary enrollment (HS)
- On-track attendance

Additional Data

Staff

- Student/staff ratio
- Student support staff

Student

- Transfers in and out
- Expulsion rate
- Dropout rate
- Attendance rate
- Graduates who are proficient on the SAT
- Postsecondary
 - Enrollment
 - Persistence
 - Completion

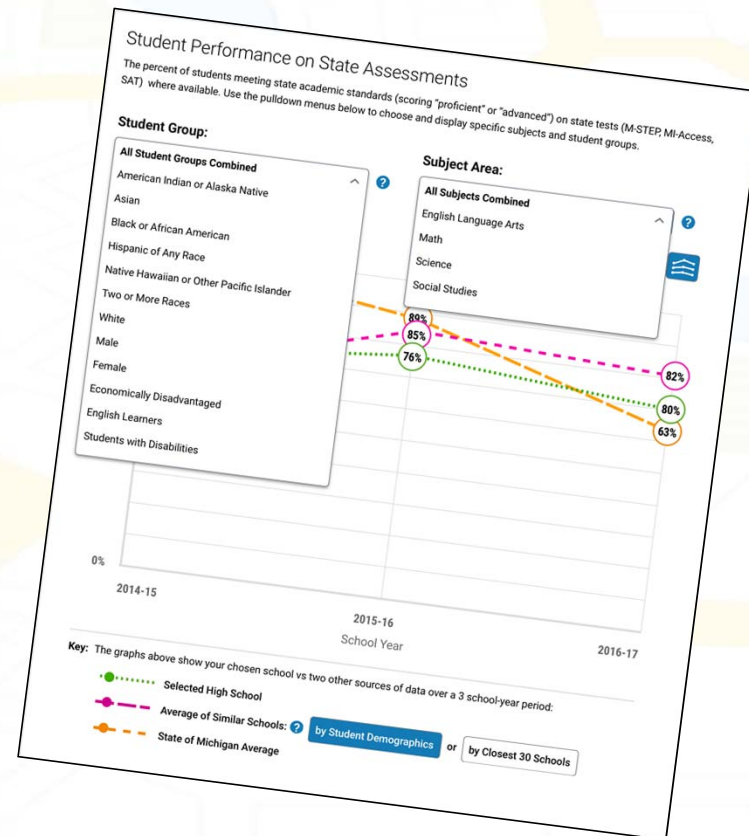


What is shown on the Parent Dashboard?

...continued

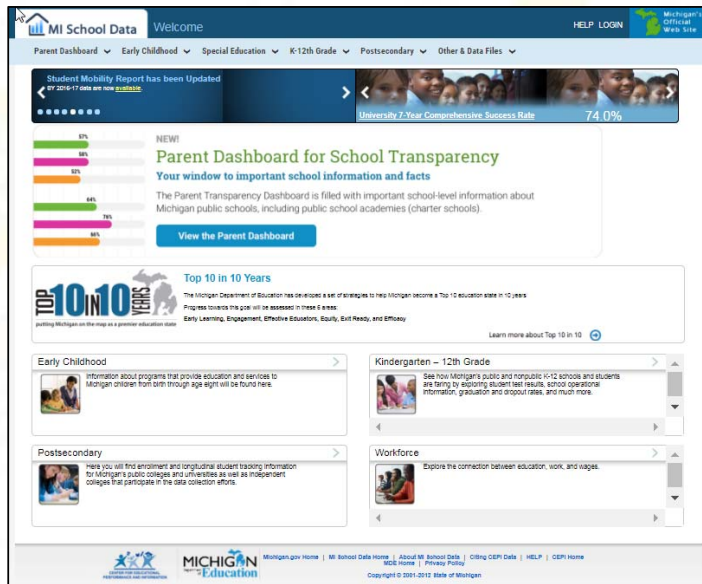
Parents can see information for:

- All students in a school
- Different groups of students within a school
 - race
 - English learners
 - students with disabilities
 - more





Where does the information come from?

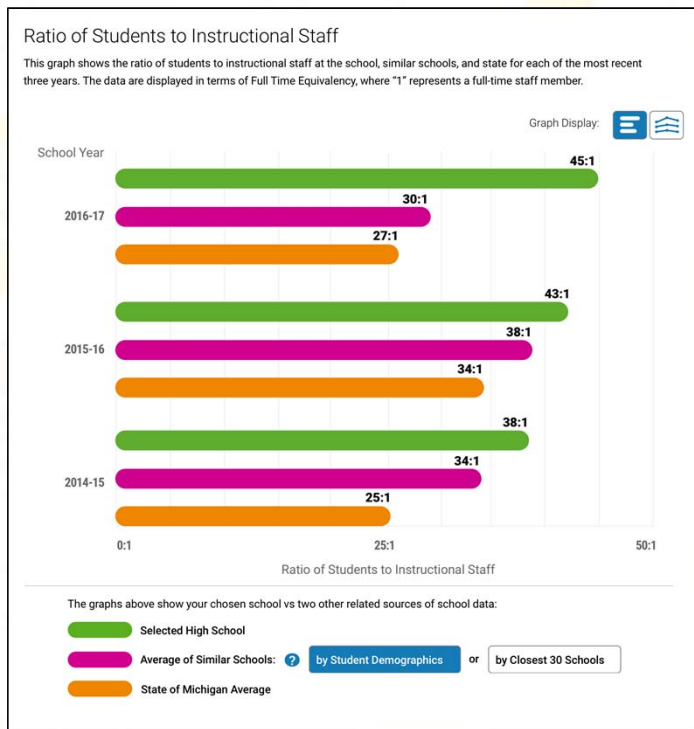


- Facts and data schools already provide to the state
- Data collected and stored by
 - MDE
 - CEPI (for MISchoolData.org)

Note: Future phases may include data not currently collected (ESSA-required/points of pride, etc.)



How can families use the new Dashboard?

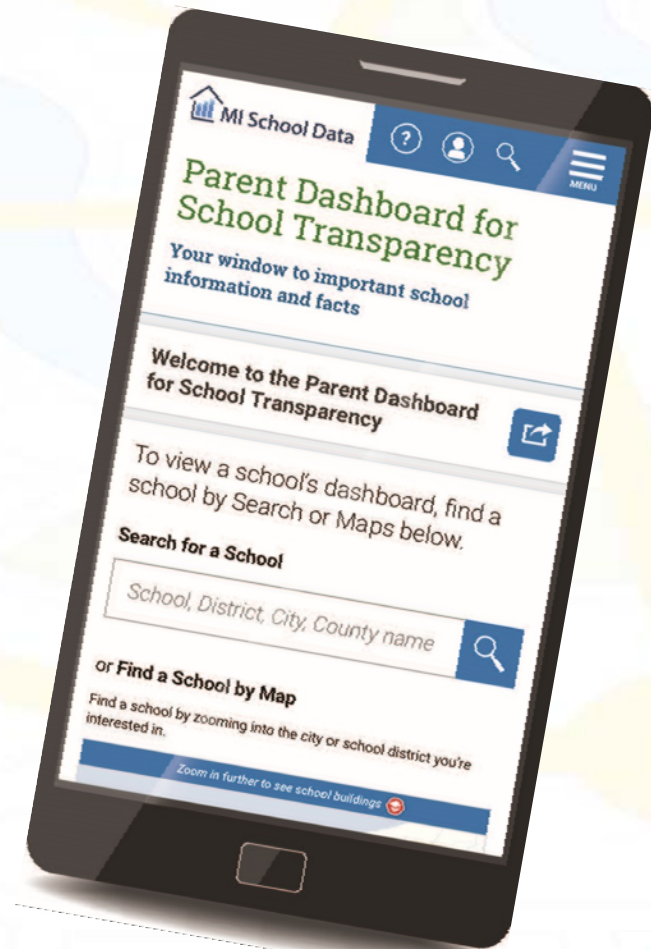


- Encourage richer conversations about schools
- Inform decisions about schools
- Compare school's performance to other similar schools
 - schools nearby
 - schools with similar demographics



Highlights

- An iterative approach to strategy, design, and user testing was used
- Most of what you will see was validated with parents
- The website is mobile-friendly (responsive) and is ADA Compliant
- Features video tutorials on how to navigate the site and a welcome message from Supt. Brian Whiston





Key Site Features

- Enhanced school search capability
 - by school name, city/county, or map-based view
- Intuitive navigation
- Deeper dive available on most measures
 - by subject and student group
- Provides data points across multiple years
- Easy to share and print individual page views
- FAQ and Glossary of Terms – updated frequently, based on user input



Planned Future Enhancements

- Points of Pride
 - Before- and after-school programming
 - Early Learning access (public system)
 - Wraparound services
 - Extracurricular opportunities
 - Presence of recess
- More customized comparisons
- New data (as available)
 - Access to fine arts, music, physical education and library media specialists
 - Financial reporting (in phases)
 - Access to technology
 - Services for students with disabilities
 - Services for English Learners
 - Suspensions
 - Climate/Culture surveys
 - Educator engagement



Communication Resources

www.michigan.gov/MDE-ParentDashboard

The screenshot shows the Michigan Department of Education's Parent Dashboard website. The header includes the MDE logo, a search bar, and navigation links for 'MDE Home', 'Top Topics', and 'Contact MDE'. A left sidebar contains a vertical menu with categories such as 'State Board of Education & Superintendent', 'Top 10 in 10', 'Academic Standards', 'Career and Technical Education', 'Early Learning and Care', 'Educator Services', 'Flexible Learning Options', 'Food & Nutrition Programs', 'Grants', 'Health & Safety', 'MDE Offices', 'MDE Operations', 'Parent Engagement', 'School Performance & Supports', 'Accountability', and 'Accreditation'. The main content area is titled 'MICHIGAN Department of Education' and features a yellow school bus image. Below the header, there is a breadcrumb trail: 'MDE / SCHOOL PERFORMANCE & SUPPORTS / PARENT DASHBOARD RESOURCES'. The main heading is 'Parent Dashboard Resources', followed by 'PARENT DASHBOARD for School Transparency'. A paragraph explains that the dashboard was developed by MDE in collaboration with CEPPI to advance the State Board of Education's vision of an easy-to-use dashboard with meaningful school-level data. It notes the dashboard launched on January 9, 2018, after extensive input from parents and educators, and is accessible on any computer or mobile device at www.MISchoolData.org/ParentDashboard. A video player section features a 'Special message from Brian Whiston, State Superintendent of Education' with a 'Play Video' button. Below this, the 'Information in the Parent Dashboard:' section lists three bullet points: it includes nearly 20 different factors or measures that parents find important; it uses data already collected from schools; and it can be viewed for a whole school or allow users to dig deeper into performance for specific student groups. The final section, 'Dashboard Communication Tools', states that MDE has developed various communication tools to help schools, districts, and organizations discuss and share dashboard data with constituents, parents, and the community. A small thumbnail image of the dashboard interface is also visible.

- Fact Sheet
- One-Page flyer
- Customizable stakeholder messaging
- PowerPoint template for sharing school-level results



For More Information

Parent Dashboard website:

www.MISchoolData.org/ParentDashboard

Communication tools for schools and other organizations:

www.Michigan.gov/MDE-ParentDashboard

Feedback or questions:

MDE-ParentDashboard@Michigan.gov

Technical customer support:

CEPI@Michigan.gov



Explore the Parent Dashboard

www.MISchoolData.org/ParentDashboard

The screenshot shows the MI School Data website's Parent Dashboard. At the top, there is a navigation bar with 'MI School Data' and 'Michigan's Official Web Site' logos, and a search bar. Below the navigation bar, the page title is 'Parent Dashboard for School Transparency' with the subtitle 'Your window to important school information and facts'. A secondary navigation bar includes links for 'Dashboard Home', 'State Overview', 'Find A School', 'Contact Us', and 'Help'. The main content area features a welcome message and two primary sections: 'The Parent Transparency Dashboard' which provides an overview of the site's purpose, and 'View a school's dashboard' which includes a search box for schools by name and a map-based search option. A video player for a special message from the State Superintendent of Education is also visible.





- **THANK YOU**