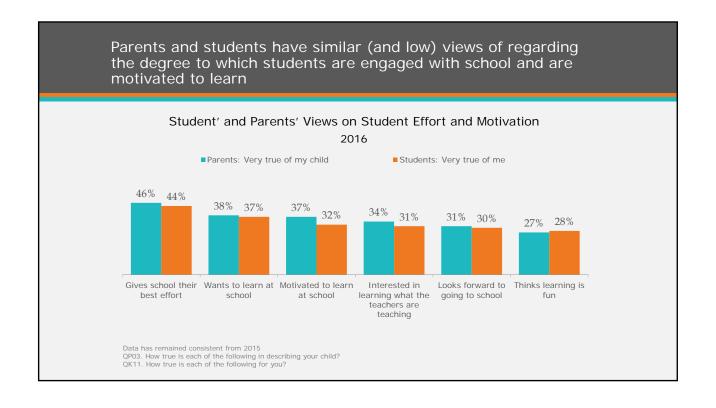


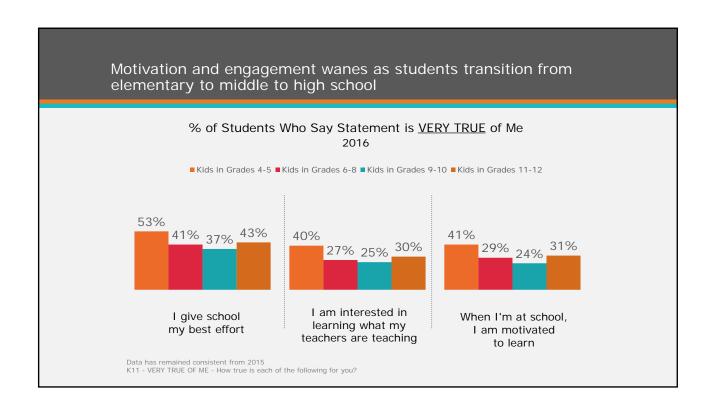
Equity & Access

No matter where students live, they should have access to the same high-quality educational opportunities as any other student in Michigan.

Likewise, teachers across the state should have equitable opportunities to learn and excel in their profession no matter where they live and teach.

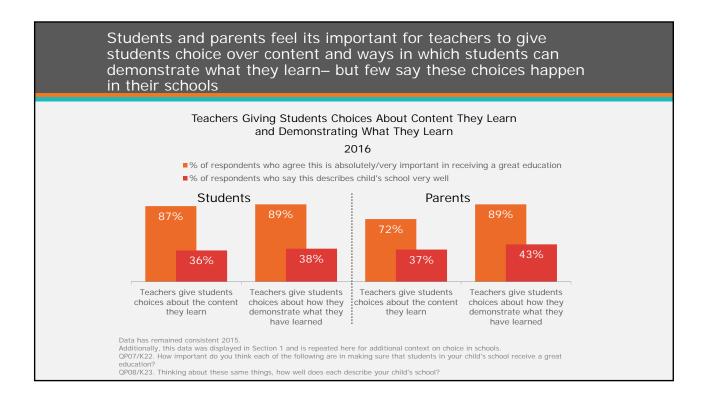
MDE Top 10 in 10 Years, Goals and Strategies, 2016

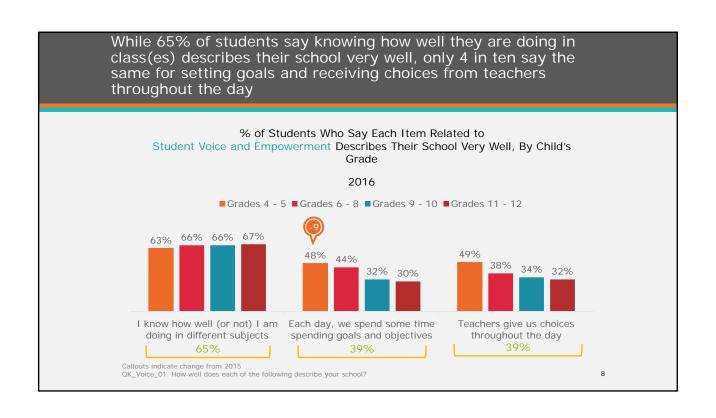


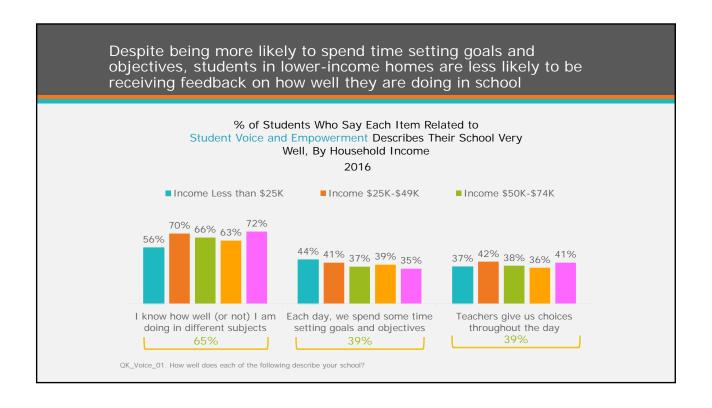


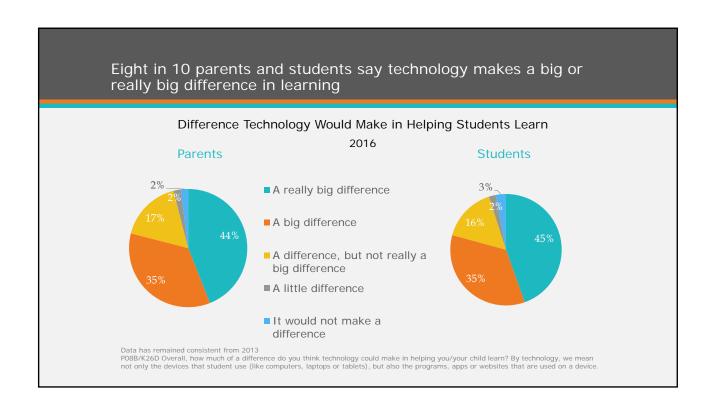


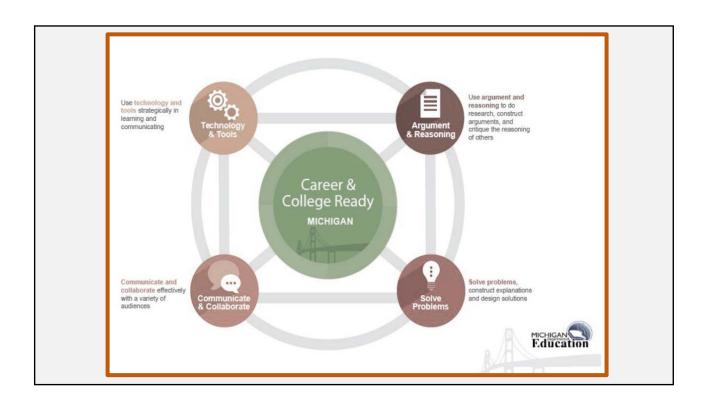


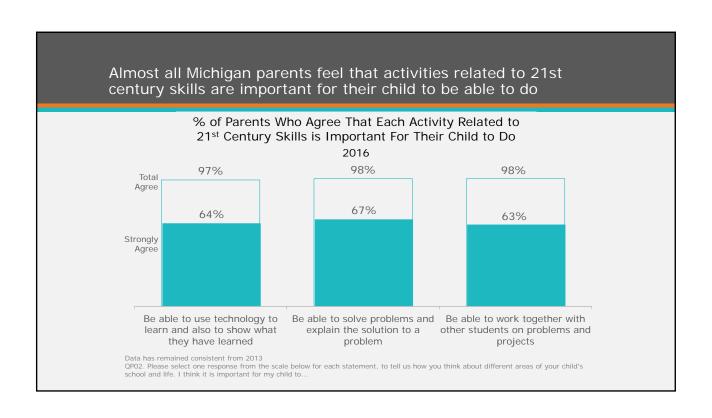


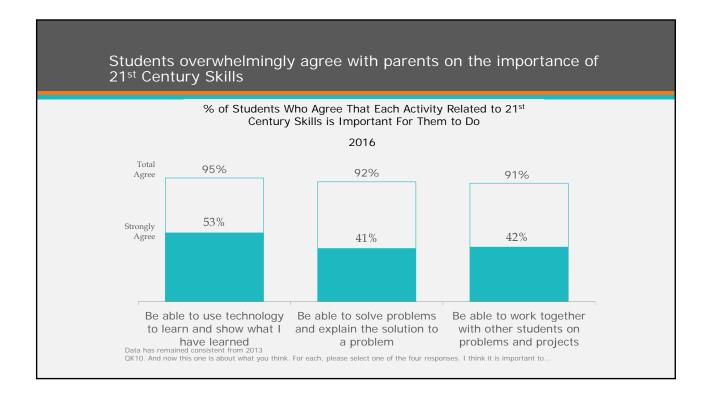


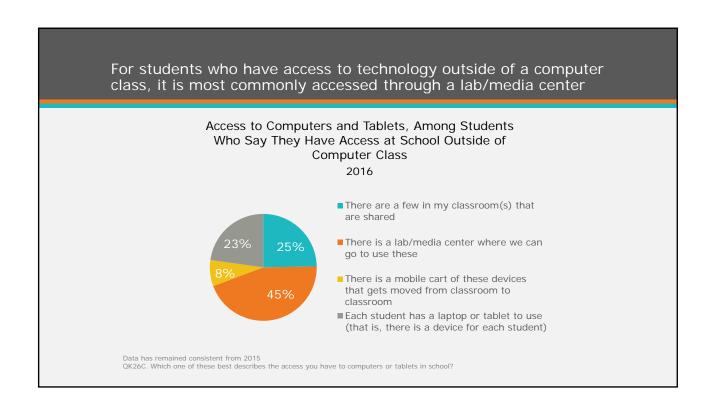


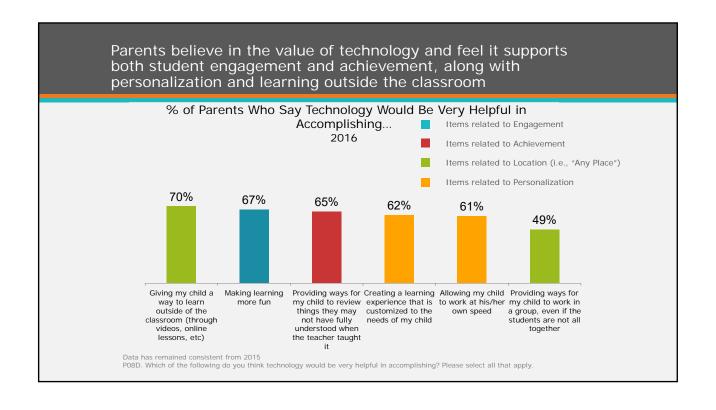


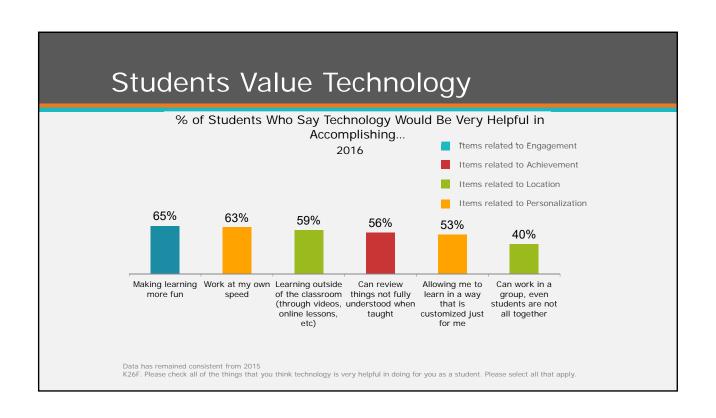


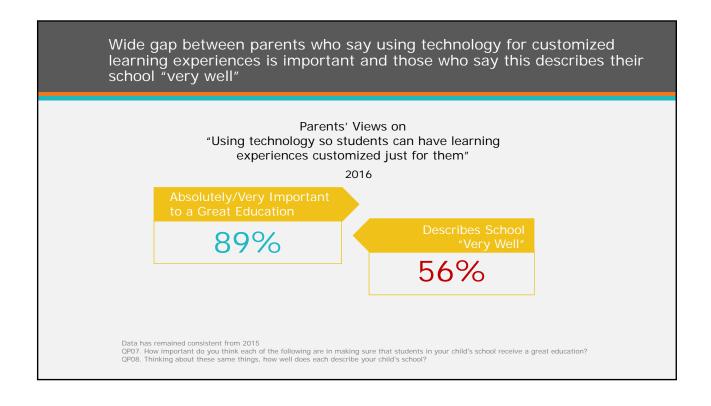












Technology Increase student engagement (active vs passive learning) Bring personalized learning to scale (individual pacing and sequence) Empower learners (creators) Closely assess where learners struggle and need supports





Alignment with Top 10 in 10 Years Top 10 in 10 Years Strategic Goals Alignment within MI Roadmap

Goal 1. Provide every child access to an aligned, high-quality P-20 system from early MI Roadmap is focused on a vision for learning transformation supported by childhood to post-secondary attainment – through a multi-stakeholder collaboration with business and industry, labor, and higher education – to maximize lifetime strong collaborative partnerships with stakeholders. learning and success Goal 2. Implement with strong district and building leadership, high-quality instruction in every classroom through a highly coherent, child-centered Students are at the center of MI Roadmap, which supports a personalized learning model that will prepare all students for success in life. instructional model where students meet their self-determined academic and personal goals to their highest potential. Goal 3. Develop, support, and sustain a high-quality, prepared, and collaborative Through intentional collaboration, support, and leveraging of resources as described in this plan, educators will develop the skills necessary to prepare students for their future. Goal 4. Reduce the impact of high-risk factors, including poverty, and provide equitable resources to meet the needs of all students to ensure that they have access to quality educational opportunities. Equitable access for all students is a key tenet of MI Roadmap. Access to high quality educators, content, technology, and learning opportunities must be the right of each student, regardless of zip code or circumstance. $Goal\ 5.\ Ensure\ that\ parents/guardians\ are\ engaged\ and\ supported\ partners\ in\ their$ Partnering with families, communities, and other stakeholders is a priority throughout the plan. Goal 6. Create a strong alignment and partnership with job providers, community colleges, and higher education to assure a prepared and quality future workforce, and informed and responsible citizens. The plan supports learning aligned with students' talents, skills, and interests; and supports personalized pathways developed and nurtured through experiences

with higher education, community agencies, and job providers

Alignment of systems, resources, and efforts is crucial to the successful implementation of MI Roadmap. Goals and strategies challenge all educational partners to collaborate in new ways to propel learning transformation.

Designing Next Generation Learning

- Learner-driven
- Personalized
- Deep and applied

Goal 7. Further develop an innovative and cohesive state education agency that supports an aligned, coherent education system at all levels (state, ISD, district, and school).

- Competency-based
- Tech-enabled
- Equitable



Goal One: Learning

Learners will have engaging and empowering learning experiences in both formal and informal settings in order to learn the skills necessary to become global citizens successful in the workplace and society.



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Learning Strategies

- Leverage technology to create learning pathways
- · Create environments wherein students:
 - Utilize technology and tools strategically in learning
 - Apply argument/reason to inform research, construct arguments
 - Design solutions to problems
 - Collaborate, communicate, and express themselves creatively for local and global audiences and purposes
 - Understand the rights and responsibilities of living, learning, and working in a digital world, and demonstrate behaviors that are safe, ethical and self-aware

Goal Two: Teaching

Educators will be supported in understanding the skills necessary for students to become global citizens successful in the workplace and society; and in using instructional technology as an accelerator for student learning.



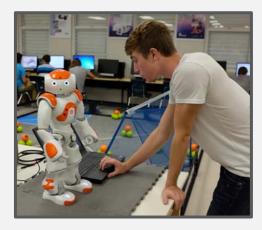
flickr Teaching in Wisc Pictures by Paul Sobczak is licensed under CC BY 2.0

Teaching Strategies

- Increase teacher competencies in designing curriculum, instruction, and assessment with technology integration
- Design personalized learning opportunities for teachers to effectively use digital tools and resources and become lifelong learners and leaders
- Develop a system that supports educators in personalizing instruction through technology-enabled use of student data

Goal Three: Assessment

Learners and educators leverage technology to productively measure competency and provide meaningful feedback to support the personalization of learning for all students.



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Assessment Strategies

- Support districts in developing a culture of balanced assessment and ensuring stakeholders become assessment literate
- Assist educators in developing ways to measure student mastery of standards and competencies in a personalized learning system
- Engage educators in exploring emerging technologies that support instructional engagement and assessment
- Ensure districts utilize a common data standard to collaborate with and share screening, formative, interim, and summative data sets

Goal Four: Leadership

Educational leaders will create transformational, equitable, technology-rich environments supporting a vision for personalized learning.



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Leadership Strategies

- Create a shared vision for 21st century learning that leverages technology and other resources to support learning, teaching, and assessing
- Develop a coherent personalized learning system for all students and educators
- Support leaders in creating a robust infrastructure and building human capacity necessary to fully implement a vision for transformative learning enabled by technology
- Ensure that educators access opportunities for personalized professional learning.

Goal Five: Infrastructure

Learners and educators will have access to a robust, secure, and comprehensive infrastructure to support everywhere, all-the-time learning.



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Learning Strategies

- Ensure learners and educators have equitable access to technology-rich, everywhere, allthe-time learning
- Provide learners and educators with access to high-quality digital content supporting transformational learning experiences
- Support implementation of student data and privacy policies governing access to educator and learner data, and ensure that educators, students, and families understand their rights and responsibilities concerning data



Teaching, learning, assessment, and research resources, such as:

Textbooks, online courses, lesson plans, learning objects (images, maps, videos, games, simulations, performance tasks)

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Openly Licensed vs. Free vs. Proprietary

Type	Cost	License	Flexibility	Example
Openly Licensed Ed Resources	Free/minimal (printing)	Open license – Creative Commons, etc.	Yes, remix/revise, some restrictions may apply	MI Open Book Project
Free Digital Learning Resource	Free	Copyright Restricted	Varies; limited without permission from creator	Smithsonian Education
Proprietary Digital Textbook Resources	Varied	Copyright Restricted	No	Commercially published digital textbooks

 $\underline{\text{Open Verses Free table}} \text{ by } \underline{\text{SETDA}} \text{ is licensed by } \underline{\text{CC-BY 3.0}} \text{/Modified from original}$

Openly Licensed Educational Resources

- Retain (make, own, download, copy)
- Reuse (website, video, in a class)
- Revise (adapt, adjust, modify, alter, including translation)
- Remix (combine with other material to create new work)
- Redistribute (share copies of the original or revisions)

Next Steps

- Continue to share with stakeholder groups
- · Work with stakeholder groups on implementation planning
- Establish target timelines for implementation and priorities
- Refresh the 2009 Michigan Educational Technology Standards for Students (METS-S)

How can we leverage technology to:

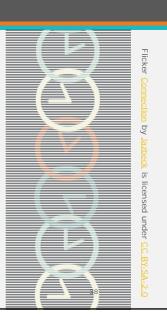
- Personalize learning
- Differentiate supports
- Foster deeper learning
- Increase student engagement



Background

In February 2016, Michigan became a #GoOpen state (1/19)

- Adopt and implement a technology strategy that includes OERs
- Develop and maintain a statewide repository for OERs
- Call for #GoOpen districts (5)



Michigan Open Book Project

- K-2 (in development)
- 3rd Grade Michigan Studies
- 4th Grade United States Studies
- 5th Grade United States History
- 6th Grade World Geography
- 7th Grade Ancient World History
- 8th Grade United States History
- · High School United States History
- · Economics and You
- · Civic Life (in development)



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#GoOpen Community Launched November 18, 2016

- Developing a system
- Stakeholder involvement
- Timeline 2017-2018

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Why OER/Digital Content

- Personalize learning
- Support competencybased education
- Student and educator engagement
 - Teachers have more freedom to design learning experiences
 - Students can create OERs while learning
- Streamline content delivery

- Customizable experiences
- Unlimited possibilities
- Flexible, not static
- Free, minimal costs
- Savings can be diverted to teaching and learning

#GoOpen Community

- Establish a statewide "home" for OER ensure ADA compliance
- 2) Curate and vet existing resources
- 3) Coordinate across organizations
 - Targeted communications
 - Professional learning



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Questions?

Ann-Marie Mapes mapesa@michigan.gov



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