

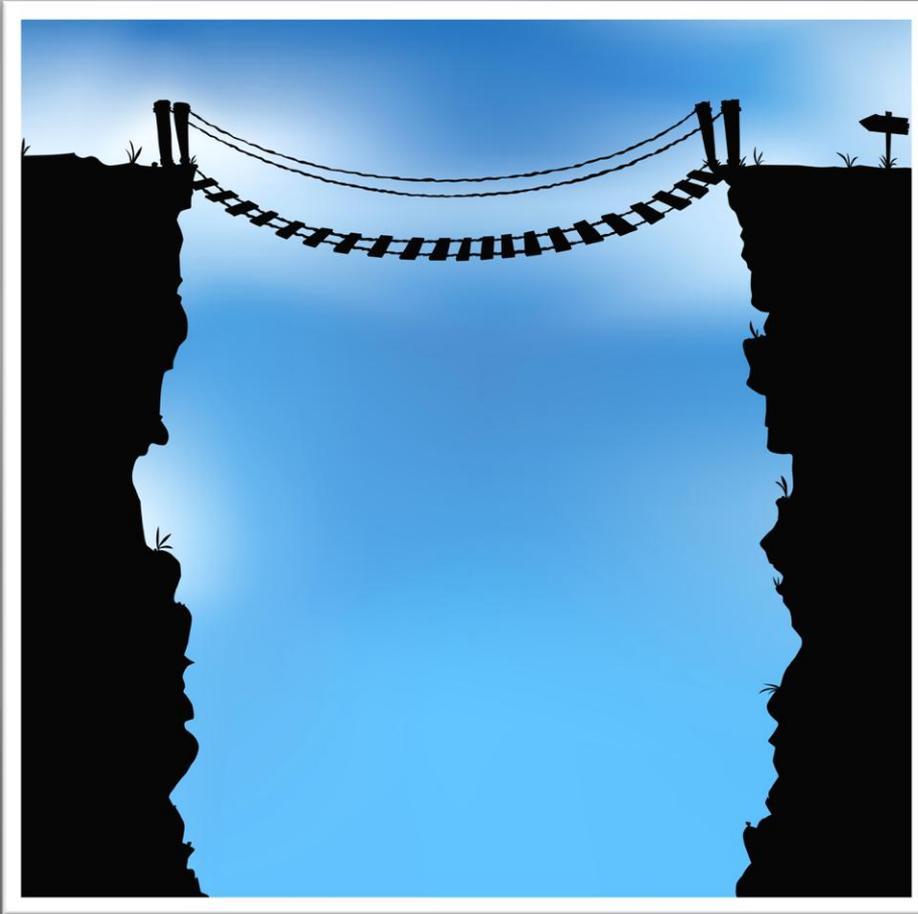
Operationalizing



**Any Time,
Any Place,
Any Way,
Any Pace
Learning**



Technology is an Essential Ingredient



We can't get "any time, any place, any way, any pace" learning without Educational Technology.

Mobile and web based technologies enable personalized, individualized learning for any and every child at any age.

Our Students are Ready



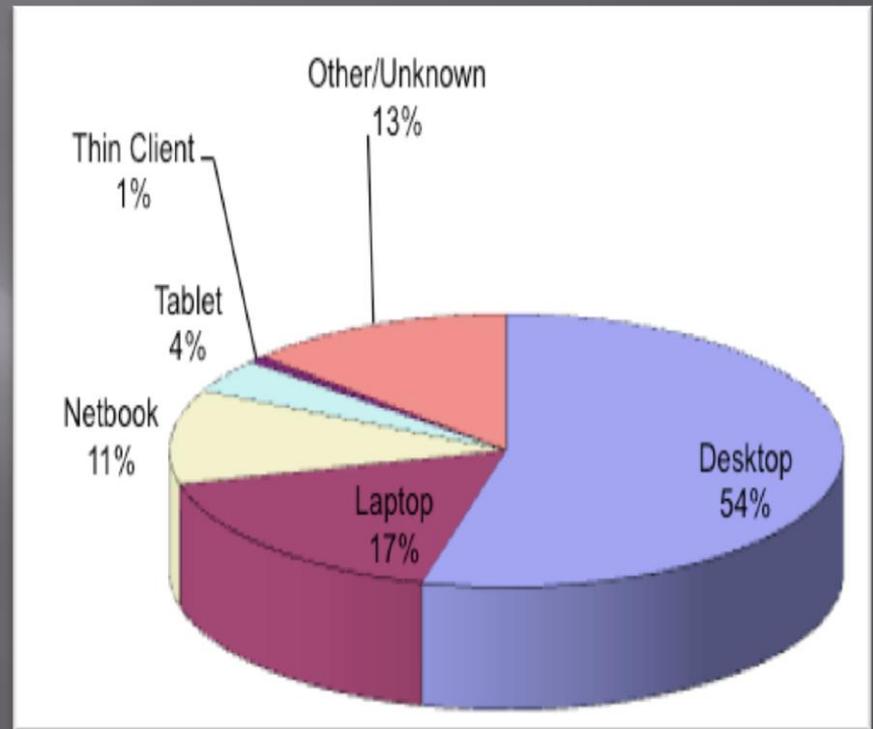
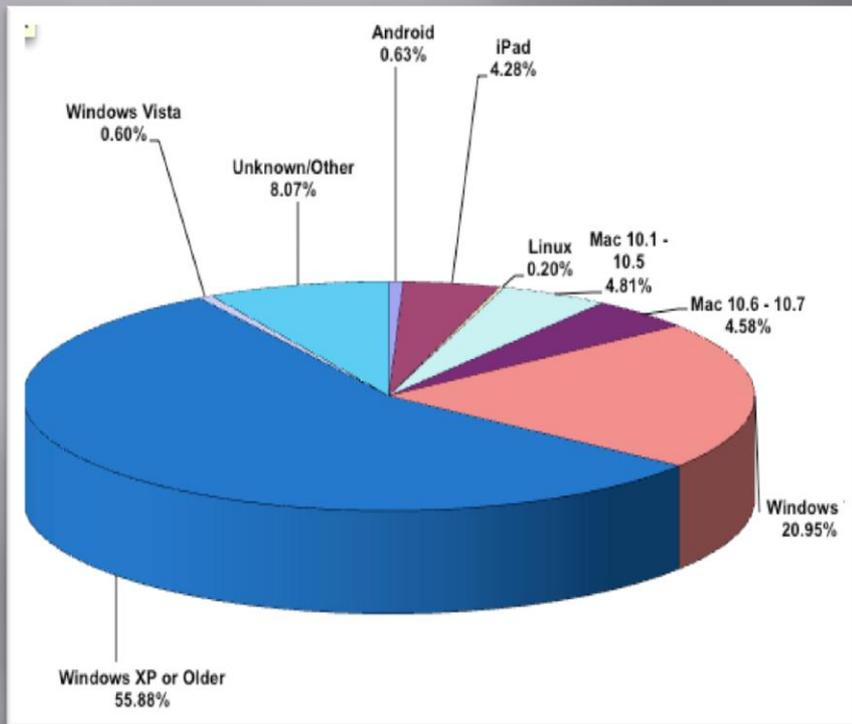
Our schools are Not

There's not enough:

- Infrastructure & devices
- Shared services
- Educator capacity
- Content & online assessments
- Innovative practice



SBAC Technology Readiness Survey

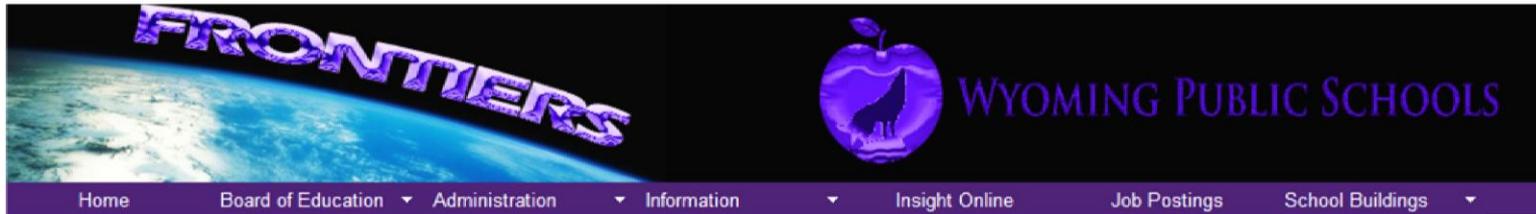


226 LEAs participated (27% → 30%)

Michigan has “Lighthouse” Programs



Wyoming's Frontiers Program



- Frontiers Links —
- About Us
 - Philosophy
 - Application Info
 - F.A.Q
 - Testimonials
 - Contact Us
 - Student Links

*Recipient of 2012 Michigan Association of School Administrators
"Winner's Circle" Award*

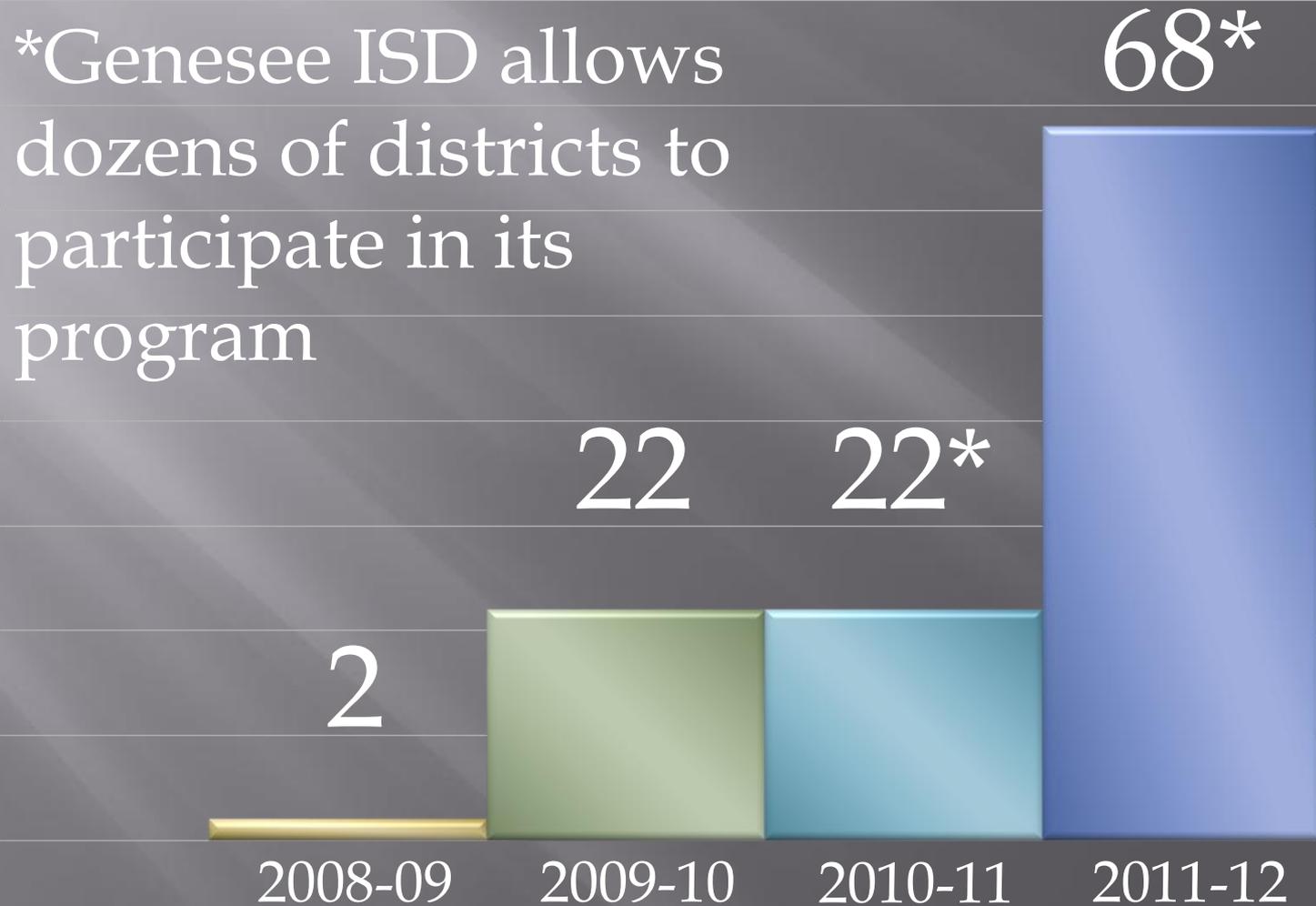
Setting The Bar For Blended Learning Environments

[Click Here For Frontiers Calendar](#)

News



Districts with Seat Time Waivers



The "Flipped" High School



The video player shows a man in a suit and tie speaking. A whiteboard overlay is visible on the left side of the video frame, containing the following text:

FRESHMEN	
<hr/>	
ENGLISH	52%

YouTube interface elements include the search bar with "flipped high school", the video title "Taking a Risk on At-Risk Kids", the channel name "TechSmith", and a "Subscribe" button. The video progress bar shows 0:30 / 3:26. The video has 8,834 likes.

No Longer a "Priority" School

Clintondale High School CHANGING EDUCATION, ONE CLASS, ONE STUDENT AT A TIME

HOME | ENGLISH | MATH | SCIENCE | SOCIAL STUDIES | ABOUT US

gooru Search

"We have been able to quadruple the amount of time our students spend with their own teachers."
 - Greg Green, Principal

Flipped School Model of Instruction
 Our students receive their teacher's lectures at home and do their homework in class with our expert staff. One-on-one time with students is up four times more than in a traditional classroom. We are "flipped out" over our fabulous results and are confident that our families get the very best we have to offer. [More details](#)

Our Students Our students come from all over the Metropolitan Detroit area to our School of Choice district. They

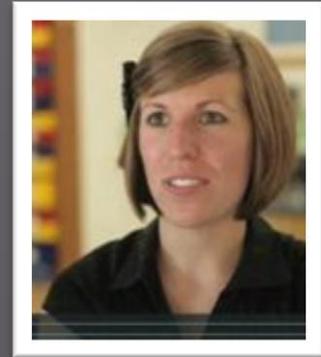
Our Faculty Our teachers do not spend more time on classroom management. More time is spent developing

Reading	+57%	Math	+62%
Science	+33%	Writing	+35%
Social Studies	+25%		
Grad rate	+10%		
Discipline	-75%		
Attendance	90%		

Ludington, Michigan

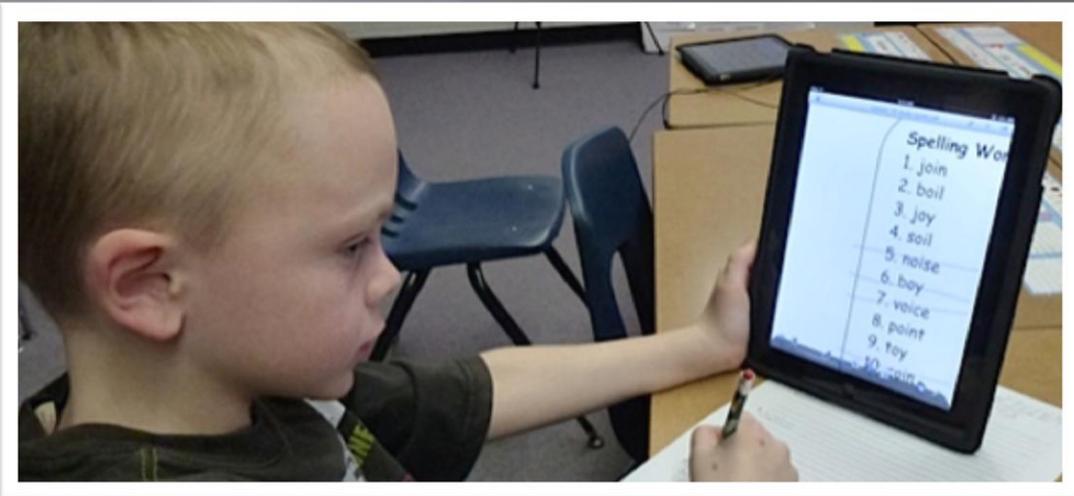
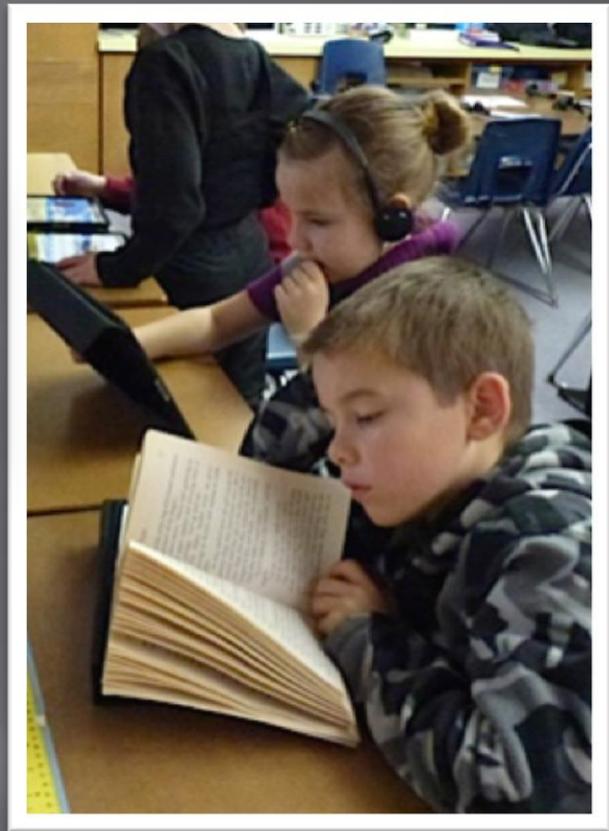
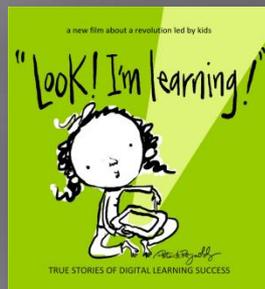


Second
Grade



Kindergarten

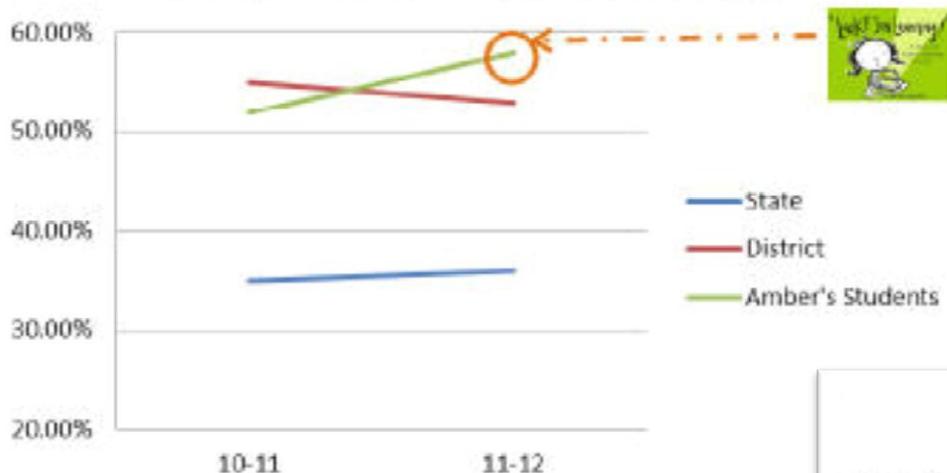




Personalized,
individualized
effective
instruction

Improved Teacher Performance

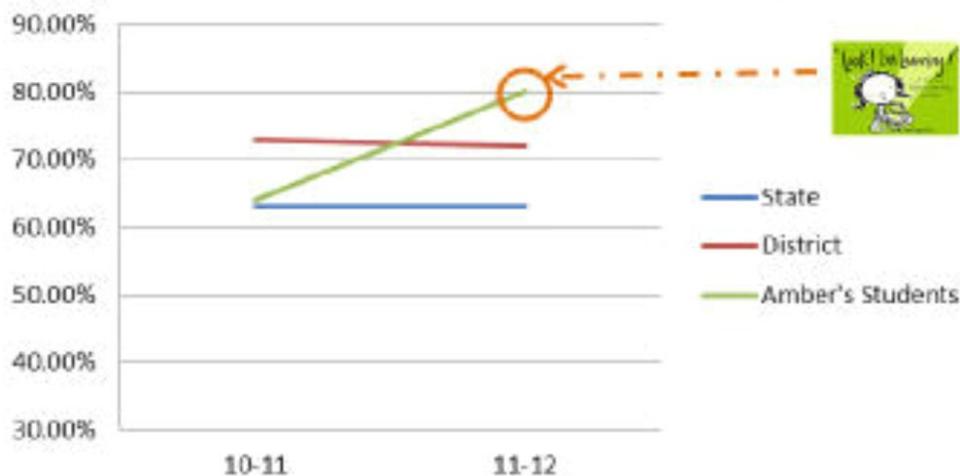
MEAP Math Proficiency Trend



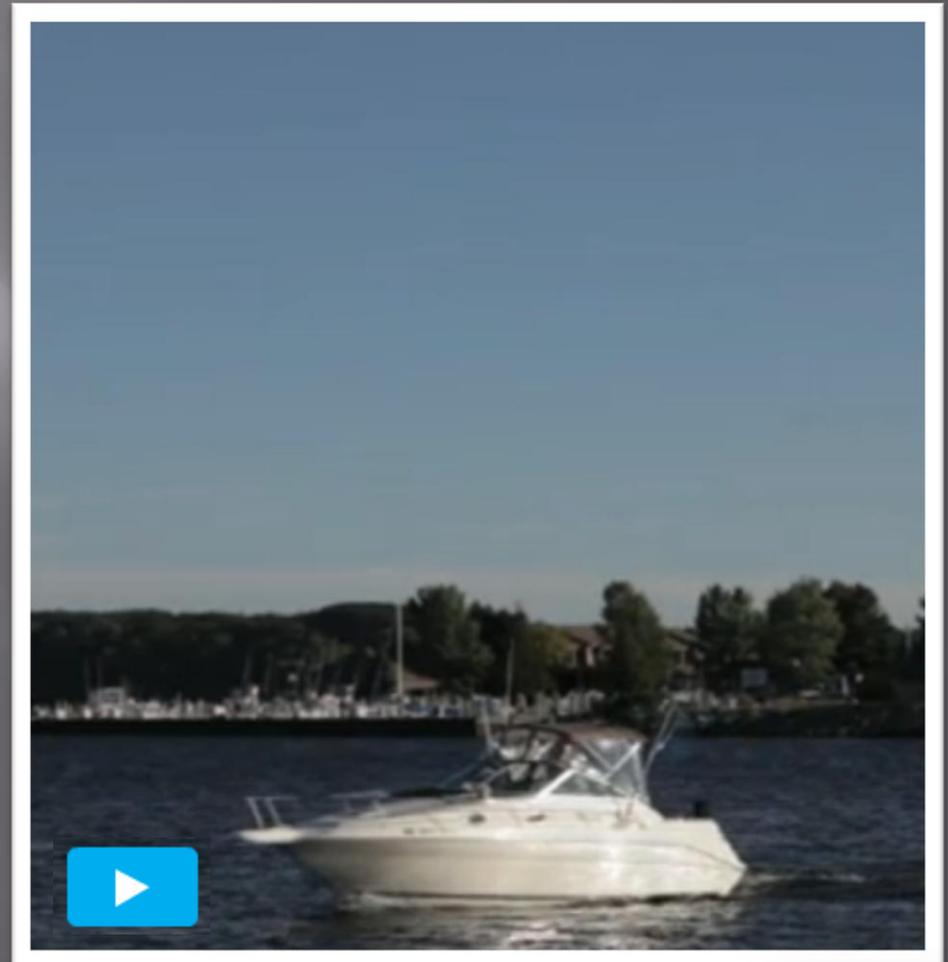
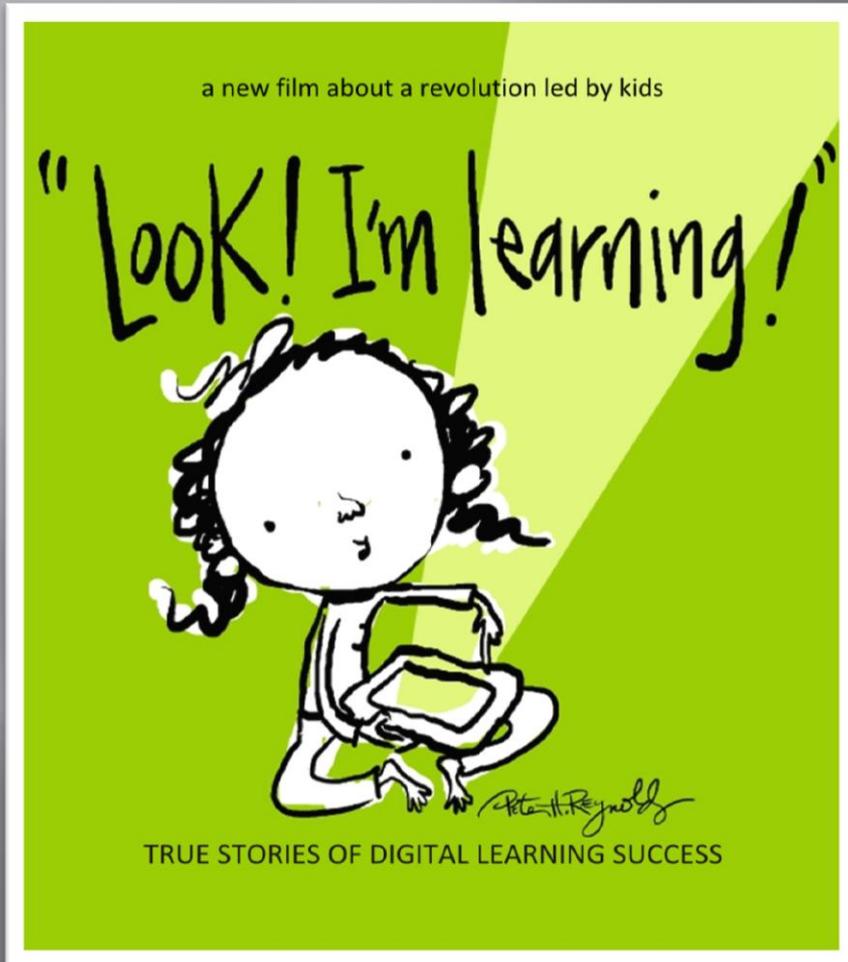
Online Assessments

Real-time Instructional Data

MEAP Reading Proficiency Trend

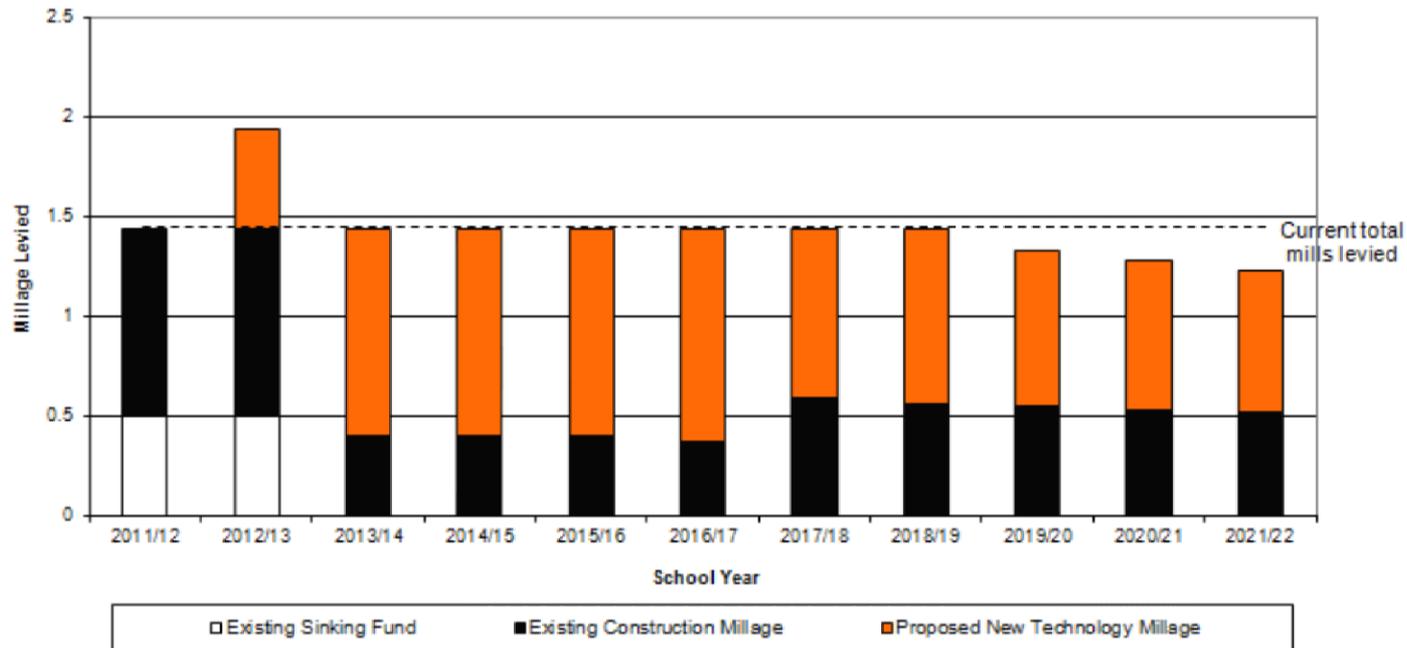


Look! I'm Learning Documentary Film



“What about my child?”

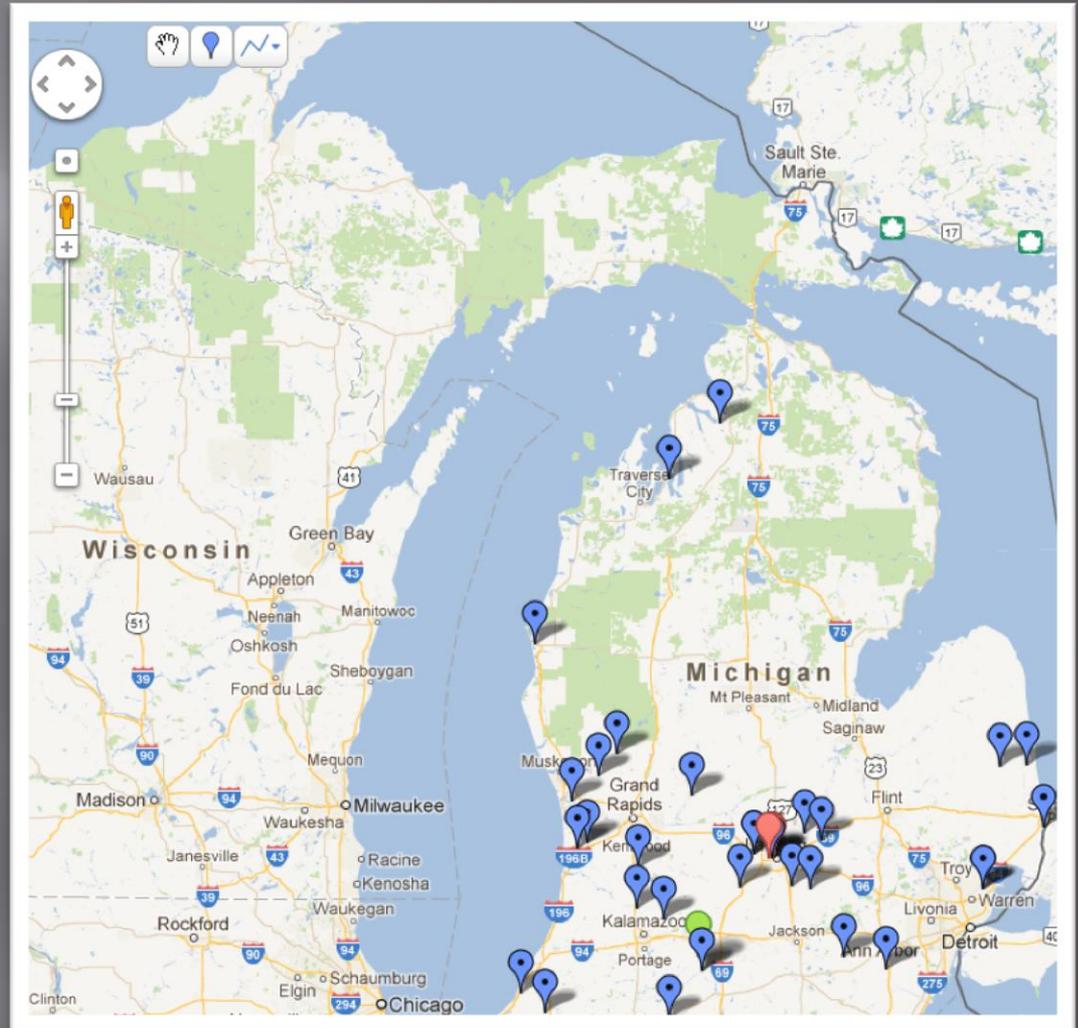
LUDINGTON AREA SCHOOLS: ALL DEBT AND SINKING FUND MILLAGE



*Tax increase due to the Technology Bond is .5 mill in 2012/13, then returns to net zero or less in future years.
 *Total debt levy (existing construction plus new technology) would be 1.44 in years 2013/14 through 2018/19, then decrease
 *1.44 mill is what taxpayers pay today.
 *Technology Bond Average is .87 mills with a range of .5 mills in 2011/12 to 1.07 mills in 2016/17. Again, total taxes are only expected to increase .5 mill and only in year 2012/13.

2012-13 iPad Implementations

29
locations



How to “Any Time, Any Place ...”?

5. Unfetter access to the internet through mobile devices
4. Shared technology and data service consolidation
3. Increased educator capacity to teach using real-time data and technology
2. Unlimited access to digital learning resources & online, on-demand assessments
1. Support for initiating, implementing, & sustaining effective, innovative teaching practices

Michigan State Board of Education



Michigan Virtual University

September 11, 2012

MVU Roles



P.A. 201 of 2012

- A. Support and accelerate innovation**
- B. Establish a Center for Online Learning Research and Innovation**
- C. Provide leadership for Michigan's system of online and blended learning**



Support & Accelerate Innovation

- A. Test, evaluate and recommend new instructional tools and resources
- B. Pursue public/private partnerships that include districts to study and implement competency-based online learning models
- C. Analyze the effectiveness of online learning delivery models
- D. Design professional development services for Michigan educators



Center for Online Learning Research & Innovation

- A. Provide a clearinghouse of research reports, academic studies and evaluations
- B. Pilot a new performance-based funding model for online learning
- C. Produce an annual consumer awareness report for schools and parents



Provide Leadership for Online and Blended Learning

- A. Make policy recommendations to the Governor and the Legislature
- B. Recommend to the State Superintendent standards for a new teacher endorsement for online and blended instruction
- C. Recommend to MDE guidance for monitoring and evaluating cyber schools and online course providers



Technology Innovation Planning

- A. Planning process to accelerate technology innovation in Michigan's education system**
- B. Examine emergent trends, analyze new teaching and learning models and identify policy recommendations**
- C. Working with Public Sector Consultants & Citizens Research Council**



Technology Innovation Planning

- Personalized learning options
- Learning environments that are free of traditional time, place and pace considerations
- Performance-based accountability models
- Online and blended learning approaches that yield academic and financial efficiencies
- Preparing teachers for new models of instruction and new methods of student assessment



Remember

*“Innovation should not be easy,
it should be possible.”*

Bill Hewlett, Co-Found of Hewlett Packard

CONTACTS

Linda Forward

ForwardL@michigan.gov

Bruce Umpstead

UmpsteadB@michigan.gov

Jamie Fitzpatrick

JFitz@mivu.org

