



# Information & Technology Plan 2014-19

**[mmsd.org/techplan](http://mmsd.org/techplan)**

April 10, 2014



# Strategic Framework



- MMSD is incredibly focused on great teaching and learning
  - Raising the bar and challenging students
  - Continually reviewing data to make classroom decisions
  - Working to build systems and support so our teachers can do their very best work
- Vision – *Every school will be a thriving school that prepares every student for college, career, and community*



## Information & Technology Plan 2014-19

- Opportunity to craft vision for technology use and Library Media program over next five years
  - Will make our district a leader in technology use
- Goals of the tech plan are the goals of the Strategic Framework
  - On track to graduate, challenging and well-rounded curriculum, and customer-service oriented school system
- Supports the five priority areas identified in the framework
  - Coherent instruction, personalized pathways, family and community engagement, thriving workforce, accountability

# Vision

*Technology will empower students, staff and families to engage in continuous learning through discovery, collaboration and creation. Accessible, flexible and differentiated technology for every student at every school with ongoing professional learning for staff and support for families will strengthen high-quality instruction and personalize learning to allow every student to graduate college, career and community ready.*

- Supports **focus on great teaching and learning** in every classroom for every student
- Prepares our students to **graduate ready for college, career, and community** by increasing their digital literacy

# Plan Development Process

- Review of research and best practices
  - Worked with national experts on educational technology
  - Reviewed research and practices of hundreds of districts nationwide
  - Learned from the work done within MMSD
- Input and feedback from stakeholders
  - From Oct-Dec, over 25 sessions with 200+ participants, plus online feedback - data analyzed by Hanover Research
  - In January, gathered feedback on draft plan and revised plan based on this input

# Lessons Learned

- Equity is critical - digital divide exists
  - Different students and communities have access to different technology
  - Schools need to combat inequities in access
- Great teaching and learning matters, and technology can help enhance it
  - Technology use has been shown to increase achievement across disciplines, enhance engagement, promotes collaboration, and personalizes learning
- Success depends on implementation
  - Robust implementation and support yields the greatest results

# Phasing

- Phased approach for some projects
  - Allows us to learn from each other, adjust as needed, and give staff time to prepare
- Focused on three stages

**PREPARE**

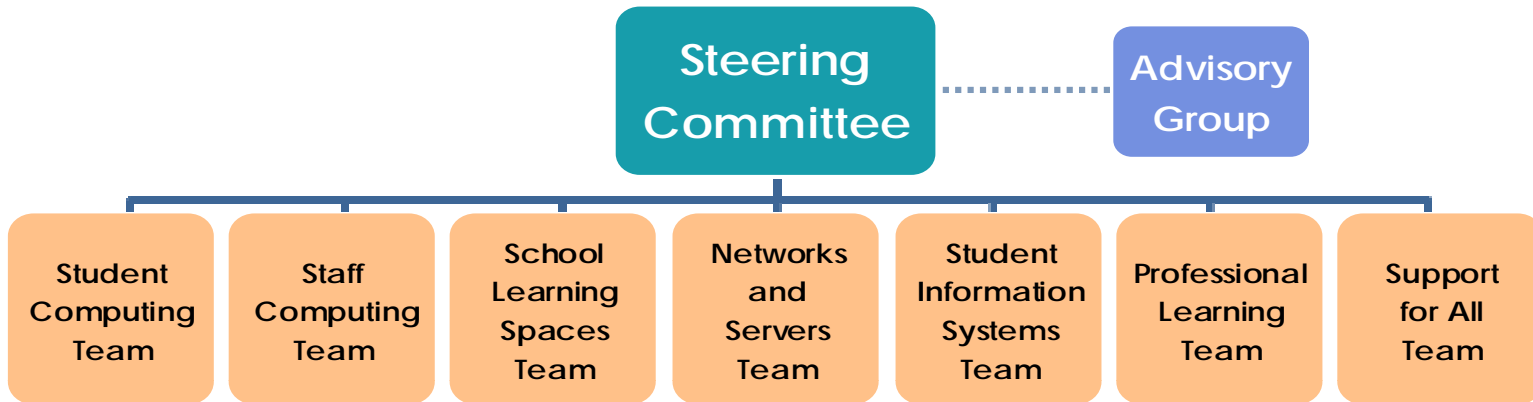
**IMPLEMENT**

**MONITOR**

- Schools divided into four groups (G1-G4)
  - First group (G1) receives resources in 2015-16
  - All schools with resources by 2018-19
- For other projects, implement recommendations beginning in 2014-15



# Team Structure



- **Steering Committee** – key internal actors to oversee development and implementation
- **Advisory Group** – Internal and external representatives to provide guidance to Steering Committee on key issues
- **Cross-functional teams** – Representatives from various departments and schools to work on implementing the details of each project



## **Tech Plan Projects**

1. Student computing
2. Staff computing
3. School learning spaces
4. Networks and servers
5. Student information systems
6. Professional learning for staff
7. Support for all

# Student Computing

Group	2014-15	2015-16	2016-17	2017-18	2018-19
G1	PREPARE	IMPLEMENT	MONITOR		
G2		PREPARE	IMPLEMENT	MONITOR	
G3			PREPARE	IMPLEMENT	MONITOR
G4				PREPARE	IMPLEMENT

Ensure all students can access tools needed for learning

- **One-to-one computing**
  - Tablets available for grades K-1 (2:1) and 2-5 (1:1), with keyboards for grades 3-5
  - Notebooks provided for grades 6-12
- **Cross-functional team advises** on device selection, policies, and procedures - differentiated by level
- **Notebooks & headphones** for assessments and instruction

# Staff computing

Project	Group	2014-15	2015-16	2016-17	2017-18	2018-19
Teacher Notebooks	All	IMPLEMENT	MONITOR			
	G1	PREPARE	IMPLEMENT	MONITOR		
Elementary Teacher Tablets	G2		PREPARE	IMPLEMENT	MONITOR	
	G3			PREPARE	IMPLEMENT	MONITOR
	G4				PREPARE	IMPLEMENT

Technology for high quality planning, instruction, and data use

- **Notebooks for teachers** and school administrators
  - Receive in 2014-15 in time for start of Educator Effectiveness
- **Tablets for elementary school teachers** – craft instruction based on what students have
- **Other staff technology** selected based on position needs

# School Learning Spaces

Group	2014-15	2015-16	2016-17	2017-18	2018-19
G1	PREPARE	IMPLEMENT	MONITOR		
G2		PREPARE	IMPLEMENT	MONITOR	
G3			PREPARE	IMPLEMENT	MONITOR
G4				PREPARE	IMPLEMENT

Flexible learning spaces with the technology for collaboration and creation

- **Classrooms** – appropriate technology in every room ready for daily use
- **LMCs** – inviting, flexible spaces with up-to-date technology
- **Virtual learning spaces** in secondary schools – resources to facilitate online learning
- **Computer labs** in secondary schools – specialized devices and software for subject area instruction

# Networks & Information Systems

Upgrades and improvements to ensure access to resources and tailor learning for students

- **Network upgrades** to ensure connectivity for all buildings and improve electronic storage of districts files
- **Improvement to Student Information Systems** including support of Infinite Campus, replacement of special education data systems, new progress monitoring tools, enhancements to data dashboard, and systems for Electronic Individual Learning Plans (ILPs)

# Professional Learning and Support for Staff

Project	Group	2014-15	2015-16	2016-17	2017-18	2018-19
Staff Devices	All	IMPLEMENT	MONITOR			
	G1	IMPLEMENT	MONITOR			
Instructional Technology Support	G2	PREPARE	IMPLEMENT	MONITOR		
	G3		PREPARE	IMPLEMENT	MONITOR	
	G4			PREPARE	IMPLEMENT	MONITOR

Ongoing, relevant, and collaborative professional learning for staff

- **Devoted time** to professional learning, including extended employment - mix of during school year and school day with summer and after-school opportunities
- **New forms of instructional support**, including the hiring of Instructional Technology Coordinator and four central office instructional technology coaches; the transition of Library Media Specialists to Library Media Technology Specialists; and the development of site-based technology teams
- Constant attention and evaluation of **technical support**, both on-site and via central office



# Information & Technology Plan 2014-19

**[mmsd.org/techplan](http://mmsd.org/techplan)**

April 10, 2014

