Livingston Public Schools Technology Budget Update

March 18, 2019

1:1 Successes at MPM

- Successful rollout of almost 500 Chromebooks at MPM. A first for our 6th grade students.

  - Each student received a Chromebook, case and charger

- Before receiving Chromebooks, students participated in a Digital Driving Course that included a School-Wide Assembly, Digital Citizenship lessons, and a Digital Driver's Assessment.

- Teachers using Go Guardian to monitor devices

Budget Highlights

- Infrastructure - Wireless

- LHS 1:1 Initiative - Student Device Refresh

- LHS TV Studio & Mac Lab upgrades

- Elementary schools Chromebook refresh (2-5)

- Elementary schools iPad carts (K-1)

Infrastructure – Wireless

- Additional Access Points (various locations)

- Access Point Upgrades (various locations)

- Cisco Wireless Controller Upgrade

- **All E-Rateable**

LHS 1:1 Initiative - Student Device Refresh

- Total of 2040 student devices required (includes 5% excess)

- Device committee currently evaluating devices

- Student device distribution will be scheduled for August 2019

- Review of 1:1 policies and procedures

LHS TV Studio & Mac Lab Upgrades

- Studio A Upgrade - HD

  - Studio cameras, pedestals and accessories

  - Character generators

  - Existing Studio A equipment will be moved to Studio B

- Digital Photography and Digital Music Labs

  - iMac refresh

Elementary Schools Chromebook refresh (2-5)

- Refresh/Upgrade 28 Elementary Carts (third generation, >3 years old)

  - Includes Chromebook carts in Media Centers

- Maintain 1:1 ratio Chromebook cart/elementary classroom (grades 2-5)

district wide

Elementary Schools iPad Stations (K-1)

- Each K-1 Classroom to receive iPad station

  - charging / storage station

  - 5 - 6th generation iPad

  - remotely managed by MDM software (Jamf)

Software Subscriptions

• SIS	• Professional Development (GCN)	• Discovery Education	• WeVideo
• Accounting	• Emergency Notification	• Respondus Lockdown Browser	• Freckle ELA/Math
• Web Filter	• GoGuardian	• ccc Streaming	• iPad apps
• Observation/Evaluation	• Library Media databases	• GradeCam	• Brain Pop
• Qualtrics	• Linkit!	• Schoology	• Nearpod

- All software/online subscriptions come from technology department
- Moving to more cloud based subscriptions
- Changing procedures for requesting and paying for software and web-based licences

Other Capital Expenditures

- Anticipated Replacement

  - Classroom Projectors (20%)

  - Classroom Document Cameras (20%)

- Computer Lab - refresh (Hillside)

- Data Center Server (hardware updates)
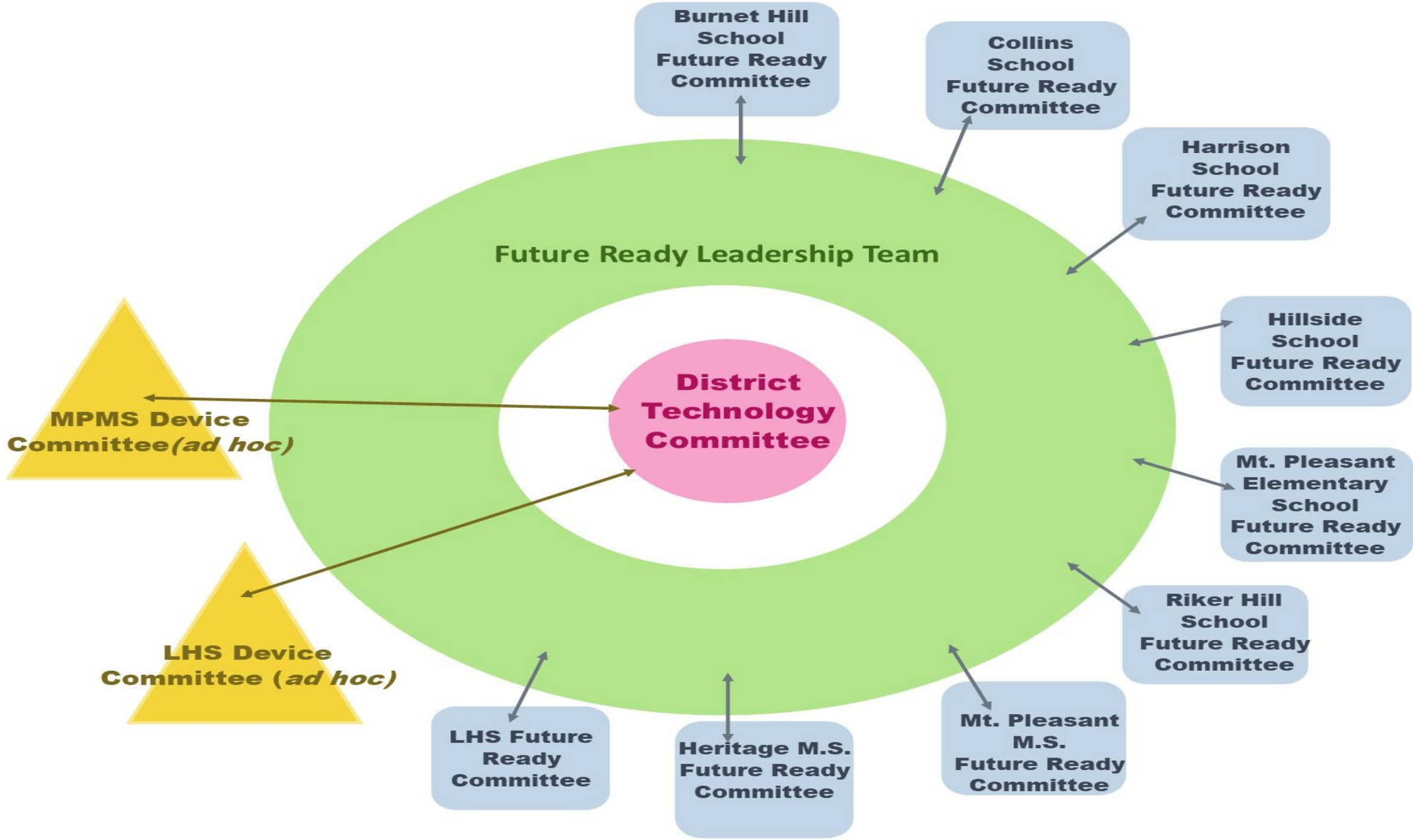
Technology Plan for Digital Learning

- The Future Ready Framework articulates key objectives in seven broad categories related to technology and digital learning.

- Success of our Technology Plan will be the culture of innovation that builds the capacity of students, teachers, administrators, parent, and community to work collaboratively.

Technology Plan for Digital Learning

- Created through collaboration with the District Future Ready Leadership Team and District Technology Committee

- Goals are based on the Future Ready Framework and embody our ongoing efforts to achieve Future Ready Certification

Future Ready Leadership Team

District Technology Committee

Burnet Hill School Future Ready Committee

Collins School Future Ready Committee

Harrison School Future Ready Committee

Hillside School Future Ready Committee

Mt. Pleasant Elementary School Future Ready Committee

Riker Hill School Future Ready Committee

Mt. Pleasant M.S. Future Ready Committee

Heritage M.S. Future Ready Committee

LHS Future Ready Committee

MPMS Device Committee *(ad hoc)*

LHS Device Committee *(ad hoc)*

Technology Plan Goals

CURRICULUM, INSTRUCTION, AND ASSESSMENT

Goal 1: Leverage the **power** of digital tools to **personalize learning** through the **integration** of standards-aligned curricula, future ready skills, real-world problem solving, collaboration, and authentic, timely feedback.

- Digital Citizenship
- Technology integration model
- Peer sharing
- Robotics, coding and Technology Education programs

Personalized Professional Learning

Goal 2: Utilize digital tools to **enhance**, **support**, and share ownership for the **growth** and **development** of our staff.

- Planning and budgeting PD
- Targeted and differentiated PD
- Choosing tools and apps that align with goals

Use of Space and Time

Goal 3: Examine ways in which to **leverage technology** to provide a **student-centered** learning environment.

- STEM & makerspaces
- Technology integration supported through the observation process
- Use of LMS to learn outside of the school day

Technology, Networks and Hardware

Goal 4: Ensure the district's **technology**, network, and infrastructure are **updated and accessible** to **support digital learning**.

- Yearly NJTraxx submission
- Continued upgrade of wireless and network
- 1:1 initiative- Continual review of devices in all grade levels
- Voice, video and data systems
- Classroom management software where appropriate

Data and Privacy

Goal 5: Utilize **data** to **inform instruction** and decision making while implementing appropriate systems to **ensure** the **privacy and security** of information.

- Software compliance with privacy policies
- Security audit & external penetration testing
- Electronically stored student testing data used to improve and personalize instruction

Community Partnerships

Goal 6: Develop and **strengthen** robust **partnerships** with our student, parent, business, and township **communities** to advance our **vision** of developing **future-ready students**.

- Parent training and information nights
- Opportunities for future ready skills
- Continued collaboration with Livingston Public Library
- Utilize our social media platforms help establish our brand & promote work of students and staff