

RSU 40 5-Year Technology Plan: 2022-2027

Technology planning and implementation is a continuous process that adapts to changing circumstances and requires ongoing evaluation. The purpose of the technology plan is to provide a framework for identifying, procuring, supporting and evaluating technology resources in alignment with the district's mission statement and district policies.

Technology resources primarily include hardware and peripherals, software/applications, staffing, and training.

The 5 year technology plan goals are:

- Resource planning for instructional, administrative and infrastructure support
- Technology needs assessments and evaluations
- Budgeting consistency and clarity that supports teaching and learning

Technology objectives for meeting 5 year goals:

1. Implement a replacement cycle for depreciated hardware and peripherals.
 - a. Based on a general guide of a 4-5 year replacement cycle for chromebooks, a 4-6 year replacement cycle for apple laptops/desktops, a 5 year replacement cycle for projection and interactive peripheral devices (document cameras, projectors, tv's, etc.).
 - b. Based on providing a device for each student in grades K-12, a device for classroom teachers, administrators and other identified professionals.
 - c. Support staff access to devices will be issued to identified positions
2. Develop a yearly budget that:
 - a. Supports teaching and learning
 - b. Supports a reliable and sustainable hardware replacement model for students and staff
 - c. Supports a safe and secure network and learning environment for staff and students
 - d. Strives to provide equitable access to resources for staff and students
3. In recognition that technology is an integrated part of many learning experiences; professional development focused on the use of district applications and tools may be provided by leveraging the knowledge of our own staff, engaging training services offered by vendors and other outside of district resources, developing and accessing on-demand training, and providing the pathway for staff to engage in trainings.
 - a. Educational technicians, library/media specialists providing technology support
 - b. Teachers providing workshop sessions with technology
 - c. Investigating and utilizing professional development opportunities for district needs from outside vendors.
 - d. Utilizing on-demand/self-directed trainings
 - e. Ensuring pathways for new staff to obtain needed training
4. Provide clarity in the budgeting process to all stakeholders

5. Regularly assesses the state of the technology infrastructure, hardware, software, technology staffing, and other services to ensure each area supports teaching and learning.
6. Gather ongoing feedback from stakeholders and develop ways to use this information to inform technology planning.
7. Strive for consistency and equity in providing resources.
8. Utilize the district instructional technology team in the following ways:
 - a. Communicate technology procedures, policies and objectives to stakeholders.
 - b. Establish a process for instructional software application requests, proposals and evaluation.
 - c. Establish a minimum identified equipment standard for teaching staff: laptop, interactive peripheral (document camera, ipad), projection peripheral (projector, tv), etc.
 - d. Participate in the formation of the technology budget.
 - e. Assist in supporting, adapting and developing technology goals and plans.
 - f. Develop pathways for data collection and interpretation that assigns meaning to the collected information and determines the conclusions, significance, and implications of the findings as they relate to technology use and teaching and learning.
9. Review safety and security practices and make changes as needed. Engage services and identify stakeholders as needed.
10. Leverage E-Rate and other program funding
11. Assess the need for and prepare for anytime/anywhere learning
12. Improve communications
 - a. School-home communications
 - b. Technology procedures to staff
13. In recognition that technology may be a separate skill; support pathways for student instruction and teacher training that is focused on coding, data visualization/management and other tech based skills.

Strategies for Meeting Objectives

The technology department and the instructional technology team will develop specific strategies to assist in meeting selected objectives on a yearly basis. These strategies will be reviewed monthly during instructional technology meetings and adjustments made as needed. The instructional technology team will report goal progress on a regular basis to the full administrative team.

Budgeting for Technology - 5 year plan

Outside Funding Impact.

- Reimbursement of learning management systems. Google EDU reimbursed for three years, beginning in SY 21/22. SeeSaw, reimbursed for 3 years total cost in SY 2021.
- Influx of devices due to pandemic funding.
- Erate for network equipment is a reimbursement program and must be budgeted for and percentage reimbursement returned to the general fund.
- Student Information System cost currently covered by the State for SY 22/23. Reimbursement is not certain and will need to be budgeted for if the reimbursement ends in SY 23/24.
- MLTI program providing funding for student grade 6 devices and partial funding for grade 6 staff devices for SY 22/23 and possibly for grade 5 in SY 23/24

- **Anticipated major expenditures based on current resources and replacement cycle.**
 - **SY 22 - 23**
 - Year 1 of 3 Lease for 284 student chromebooks and 166 teacher devices.
 - Replacement of 20% of projection and interactive peripheral devices, approximately 60 - 70 devices.

 - **SY 23 - 24**
 - Year 2 of 3 Lease for 284 student chromebooks and 166 teacher devices.
 - Replacement of 20% of projection and interactive peripheral devices, approximately 60 - 70 devices.
 - Replacement of support staff devices
 - Student Information System, reimbursement not certain, approx. \$20,000

 - **SY 24 - 25**
 - Middle School MLTI deployment may be refreshed. If model stays the same, partial or full funding of grade 7 and 8 teacher devices may be necessary.
 - Year 3 of 3 Lease for 284 student chromebooks and 166 teacher devices.
 - Reimbursement for Google Enterprise ends, approx. \$12,000

 - **SY 25 - 26**
 - 1400 student chromebooks expire. 4 year lease replacement.
 - 32 Administrator macbook will be 5 years old and scheduled for replacement, could be a lease or direct purchase.
 - Anticipated network upgrade at MVHS, Miller and WCS.

- **SY 26 - 27**
 - 284 of the chromebooks leased in SY22/23 will probably expire this year. 3 year lease to replace will put all student devices on the same replacement cycle.
 - Anticipated wireless network replacement at MMS, FVS, Prescott, Union

Proposed Action Items SY 22/23:

- Technology department to set up inventory tracking system so identified in-school personnel have access to records for their school/department in order to assist in the accurate tracking and budgeting for resources.
- Refine the process by which software application requests are made and assessed through the PLC process.
- Working through the Instructional technology team, determine a way to identify and include needed technology professional development into the school year.
- Review data and make changes as needed using google/amplified security evaluation
- Involve identified stakeholders in the evaluation of student safety features available in Google and GoGuardian.