



Technology Report

January 2024

2400 MASON EAGLES DR.
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Projects:

Projects	Next Step	Next Milestone Dates
CTE Cert Prep & Orders	Order cert prep materials and project for Sem. 2	12/31/23
HS Robotics	FIRST Kick Off	1/6/24
PA/Camera Expansion	PA Bid Opening	1/12/24
Dell Azure Stack HCI	Review initial Quote details	1/14/24
Air Cond. Unit	Installation w/ building contractors	1/15/24
E-Rate Filing	Filing form 470 and posting RFP for Meraki	1/30/24

Additional Project Details:

- **E-Rate Filing** – was able to get additional information surrounding our wireless network. The devices are not EOL until 7/21/2026 which will allow us to move to the Wi-Fi 7 releases in 2026. I met with our Meraki rep on 12/8 & 12/18 to review details and will be working with their e-rate representative to ensure our RFP is properly posted for Feb. compliance with their newer licensing model.
- **High School Robotics** – High School Robotics is kicking off on January 6, 2024. The students have a total of \$3083.91 in their student activity account from donations and fund raising...great work! We have 22 students signed up. The seniors have been conducting the pre-season meetings which shows signs of legacy progression.
- **PA/Camera Expansion** – The bid document for the PA system was posted on December 11. The document was reviewed and approved by the superintendent while containing the specs required for updating all 3 buildings as well as integrating the bell system and providing additional security functionality. The bid opening is slated for January 12, 2024 at 3:00pm. I will be waiting until spring before I start getting pricing for the camera drops since we need to be closer to installation and ready for financial approval.
- **Dell Azure Stack HCI** – A final solution for our Dell Azure Stack HCI was developed by a Dell engineer as a 2 node switchless configuration. Additional specs include: 2 cpu, 32 cores Dell EMC AX-750, 512G memory, 30.7TB raw storage (approx. 20TB usable), 10G fiber w/ 10/25G SFP connection. I am recommending the ProSupport Plus w/ 4hr. mission critical and 5 yr. Additional requirements will include an agreement with our Microsoft Licensing for Primary OS Cores. The device should require replacing upon end to contract which would get us into a good server rotation schedule.



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- **Air Condition Unit** – On Jan. 15 I will be coordinating with American Heating & Cooling on an installation of an air conditioning unit for the CTE classroom where the wall unit failed and was causing circuit breaker issues.
- **CTE** – Second year students will be moving their focus from the thought experiment (fictional, video game company) to their certification path. They will still be given time to work on the project, but the main goal is to prep for certification. First year students will be transitioning into their 2nd semester projects.

Building Specific:

Central Elementary School – Communicated with principal on additional MDE grant opportunity through Imagine Learning. Worked with Xerox on ensuring teacher copier was fully repaired.

Mason Middle School – We had our final meeting with Brisk on Dec. 13 to go through AI opportunities with teachers. Adjusted middle school printing to go through Papercut tracking. Students need to now authenticate with their username/password to release prints.

Mason High School – I have been through two months' worth of work-based learning with my CTE students. Also, I had another student who worked with a previous employee and provided tech support as a side opportunity.

District Information, Ed Tech, and Various:

- **CRDC Reporting** – sent CRDC details for required reporting. Optional reporting was not relayed as to not confuse timing of product received from ECF funding and device retirement. We maintained compliance and ensured nothing is misconstrued in report review.
- **Security** – With the Kerberos Key rotation this month, I noticed an oddity with the service account with Azure Connect. I went through a re-install and updated our services. We are on the latest software (Microsoft Entra Connect).
- **Training** – Went through the Dell Tech Direct website with Media & Technology Specialist. Congratulations to Ms. Hopper on her Dell Certification!

Orders:

- **Interactive Displays** – Displays were delivered and ready for installation whenever maintenance is available (staged in HS room 213) for installation at CES.
- **Azure Commit Funding** – Again, we will continue the monthly funding process until our Microsoft renewal which is slated for Feb. Our yearly renewal request has been sent to CDWG.

Hour Report/Tickets:

- **Ticket Standings** (as of 12/18/23): We closed 46 tickets and there are currently 2 open tickets in technology. November ended with 87 closed tickets.