



# Technology Report

## May 2024

2400 MASON EAGLES DR.  
ERIE, MI 48133  
ERIE.MASON.K12.MI.US

### Projects:

Projects	Next Step	Next Milestone Dates
M-STEP Testing	Testing	5/17/24 (end date)
Security Certs	All internal certs to renew after end of school	6/21/24
Dell Azure Stack HCI	Installation	6/30/24
Cameras	Camera Installation	6/30/24
E-Rate	Place Wireless Order	7/1/24
Chromebooks	Provisioning	8/30/24

### Additional Project Details:

- **MSTEP** – Based on the extreme number of complaints posted on the Michigan ListServ surrounding this year’s testing, I increased the specs for our server farm. Our 5<sup>th</sup> grade tested on 4/23 without issue in getting started. I already met with all the teachers in grades 3-5 to run a pre-test check. Other grades do not need the pre-test since they are 1-to-1 exclusively. All testing should be wrapped up by 5/17.
- **Dell Azure Stack HCI** – The 2 servers were ordered, and we are being assigned a Dell project manager for final server installation. People Driven stated Dell should have the solution in place prior to the end of June.
- **Camera Project** –The turret cameras (for indoors) arrived. Vortex is scheduled to install all cameras after school is released for the summer. A request was made for the old cameras to correct their on-screen time/date stamps. The auto-update does not work due to the age of the devices and their NTP protocol (no longer connected to their original insecure DVR system). I am looking at alternate time-zone adjustments to force the change (I am trialing with a couple devices for stability), but we may also update the cameras once we are able to test the new Synology ones with security funds.
- **E-RATE Wireless Controller** – Our funding has passed review, and we are in a holding pattern until July 1. Our purchase will then be made for our September Wireless Controller 5-year renewal for a savings of approximately \$11,200.
- **Chromebook Purchase** – All Chromebooks and chargers were received (including St. Joseph’s for the Title I grant). We are waiting for the cases, which should be in late May. Device provisioning will take place over the summer.





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## Building Specific:

**Central Elementary School** – Due to an unexpected change in maintenance, I am hiring a contractor to install the interactive displays for Central as well as the other buildings. Central's will be installed in June. The remaining will be installed in late July/mid-August after the summer order is placed.

**Mason Middle School** – Middle School finished their Brisk AI PD session. I also tested the feedback generator. I believe the system can seriously streamline the workload of the teachers and may expand pending further discussion.

**Mason High School** – PSAT and Work Key testing was completed. We prepped 10 additional Chromebooks and allocated additional chargers and power strips accordingly.

## District Information, Ed Tech, and Various:

- **Donation** – Thank you to Westside Beer Distribution for donation of 60" Professional HP Printer with toner, media, and print heads. I sent the donation paperwork for their IT director to fill out.

## Orders Communication:

- **Future Bulk Order Projects**
  - **iPads** – In order to maintain a 1-to-1 program in K-2, we will want to replace the iPads that were purchased with ECF funds in 2021. They have a life expectancy of approx. 7 years. The last order was approx. \$78,000. I anticipate ordering again out of tech funds in 2029 @ an estimated \$100,000.
  - **Chromebook AUE** – In 2022 we received a year worth of ECF funds for replacing a rotation of Chromebooks. It was discussed with the superintendent, by accepting this funding, within a 5-year period we would need to replace 4 to 5 grades vs. our normal 2 grade rotation during one of our purchasing cycles (tentatively 2028/2029 school year @ an estimated \$100,000).
  - **Networking Equipment/Battery Backups** – During the next e-Rate cycle we will be making a networking purchase refresh. If we receive the 80% reimbursement, the cost should be in the \$30,000-\$40,000 range after e-Rate based on previous costs but subject to change.
  - **Wireless Access Points** – During the next e-Rate cycle we will be making an access point refresh with WiFi 7. If we receive the 80% reimbursement, the cost may be in the \$30,000-\$40,000 range based on previous project costs but subject to change.
  - **Goal for retention** – We try to have about 1-year of non-project allocated funds in the event of millage non-renewal. As per our current allocation, we have about 80% of that which means I would want to have about an additional \$66,000 in the tech fund balance.

## Hour Report/Tickets:

- **Ticket Standings** (as of 4/23/24): We closed 100 tickets and there are currently 3 open tickets in technology. March ended with 78 closed tickets.