# 2022-2023 | Quarter 2 | Fall
# Technology Report for *October 1 - December 31, 2022*

## Completed Projects

- Upgraded all HMS and HHS Wireless Access Points (with WiFi 6 and CloudIQ configurations)
- Staff Account Audits in Active Directory and Infinite Campus
- 2023-2024 Technology Budget proposal
- Computer-based ACT preparation and testing site troubleshooting
- Computer-based WIDA preparation and testing site troubleshooting
- Presentation of KDE's Stillwell Awards to district technology department members, School Technology Coordinators, and Digital Learning Coaches
- Moved Highlands Help Desk from HHS to HMS

## Ongoing Projects

- OneSync/AD Connector Upgrades
- Updates to website configurations and design
- Additional configurations of VoIP phone system (dial plans and e911 compliance)
- Guest and Internet of Things (IoT) network access troubleshooting
- Staff account audits in Munis
- Account creation workflow revisions through Frontline Central
- Staff device operating system upgrades
- Virtualization and move from local shares to cloud-based storage
- ClassLink group and application cleanup
- District subscription and application dashboard
- District solution for data backups and security
- Device Inventory cleanup
- Facilities and Technology Long-Range Planning
- Network Core Upgrades
- Network Security Audits
- Audio/Video component replacements in HHS Science Lab (Ehemann)
- HHS Internships
- Johnson Elementary School Cell Booster Solution
- KDE Baseline Security Project – Move to Multi-Factor Authentication **(see attached description)**
- FTEF Grant Installations and configurations **(see attached descriptions)**

## Emerging Projects  (Initial Planning)

- RUP revisions and eRate compliance documentation
- Highlands Middle School network wiring project
- Technology equipment surplus
- Help Desk ticketing interface updates
- Implementation of Jamf Teacher device monitoring solution
- Lightspeed Parent Portal implementation
- Service and subscription vendor agreement reviews
- eRate RFPs for wireless upgrades at MES and WES

## Submissions to Kentucky Department of Education

- "Top 5 Report" to KDE Associate Commissioner for OET
- 2023 Funding Year Student Population Datasheet for eRate Funding
- KETS First Offer of Assistance Acceptance

## Work Orders

| | | |
|---|---|---|
| **Tickets Opened**<br>October – December 2022 | **150** | • 38 opened @ Highlands Middle School<br>• 37 opened @ Highlands High School<br>• 28 opened @ Moyer Elementary<br>• 24 opened @ Woodfill Elementary<br>• 18 opened @ Johnson Elementary<br>• 5 opened @ Central Office |
| **Tickets Closed**<br>October – December 2022 | **112** | • 91 closed by Technology Department<br>• 19 closed by School Tech Coordinators<br>• 2 closed by Digital Learning Coaches |
| | **38** | **TICKETS CARRIED OVER** |

# Project Specific Updates for *October 1 - December 31, 2022*

## KDE Baseline Security Project – Move to Multi-Factor Authentication

<u>Completed Steps</u>
1. Virtual meetings with KDE Project Manager and Microsoft Project Manager for initial configurations.
2. Decision making and district specific setups related to acceptable factors for MFA
3. Enrollment of district technology department
4. MFA Rationale and Procedure documentation created
5. Enrollment of district leadership team
6. Enrollment of School Technology Coordinators and STLP Advisors

<u>Next Steps</u>
1. Communication to certified staff regarding MFA
2. Enrollment of certified staff on Late Arrival Day with availability for assistance
3. Enrollment of classified staff with availability for assistance
4. Enrollment of board members, coaches, sponsors, and long-term substitutes
5. Implementation of new password reset policies and MFA self-help options

# 2022 FTEF Grant Projects

*Installation of video displays in HHS Cafeteria*

Completed Steps

1.  Digital displays ordered (delivered on December 19)

Next Steps

1.  Installation (estimated mid-January)

*Installation of audio/video solution in HHS Art Room*

Completed Steps

1.  Digital displays ordered (delivered on December 19)
2.  Audio/Video switching solution designed; parts ordered and delivered

Next Steps

1.  Installation (estimated mid-January)
2.  Determine additional power needs and develop solutions upon final design and installation

*Facilitation of PTZ Camera installations and wiring in HHS Gymnasium and Media Lab*

Completed Steps

1.  Cameras and A/V components ordered and delivered
2.  Design meetings and redesigns with Global Business Solutions throughout November
3.  Network switch configurations completed for equipment
4.  Cameras and fiber installed and pulled by Global Business Solutions November and December
5.  Wiring terminations and initial configurations by Global Business Solutions in December

Next Steps

1.  Completion of A/V configurations and training by Global Business Solutions

***Unified District A/V Solution***

Completed Steps

1) Ordered, received, and assembled materials for three elementary schools and middle school

2) HHS Media Department designing and tweaking procedures and processes to accompany specified materials

3) Rebranded "HHS Film and Broadcast" YouTube channel to "FT Film and Broadcast"

4) Met with Library Media Specialists to discuss next steps, considerations, and discuss implementation strategies in November

   a) Reviewed **purpose and objectives** of unified A/V solution

      i) **Provide more student opportunities** for audio/video production at both intermediate and secondary levels

      ii) **Ensure there are similar training opportunities** offered through all schools to allow for advanced training at middle and high school levels

      iii) **Provide opportunities for high school media program students to mentor and assist** all schools with audio/video production; facilitated by common equipment and procedures

      iv) **Provide schools with supplemental audio/video opportunities;** it is NOT the intent to completely replace current school programming

      v) **Populate district YouTube channel with K-12 content** rather than only secondary level content

      vi) **Bolster school Student Technology Leadership Programs (STLP)** by providing student leadership opportunities through A/V production

Next Steps

1) Move equipment to schools and set up training between Bill Poff and Library Media Specialists

2) Library Media Specialists practice using solution and train students as needed

3) Library Media Specialists work with building leadership and student leaders to integrate additional audio/video opportunities into schools

4) Students across all schools begin building content for district YouTube channel with assistance from HHS Film and Broadcasting; this is a fluid objective and appropriate "content" will be defined through the process