



**HALLSVILLE SCHOOL DISTRICT
PROGRAM EVALUATION REPORT**

District program: Technology

Person(s) responsible: Gabe Halicks and David John Downs

Submission deadline: March 1

Date of Board presentation: March 17, 2021

The Board-approved goals of this program are:

- 1. The district advances excellence in teaching and learning through innovative and effective uses of technology.

The Board-approved objectives of this program are:

- 1. The district has a systematic plan aligned with a shared vision for school effectiveness and student learning through the infusion of information and communication technology (ICT) and digital learning resources.
- 2. The district provides consistent, adequate, and ongoing support of technology infrastructure, personnel, and digital resources.
- 3. The district provides equitable and reliable access to current and emerging technologies and digital resources, with connectivity for all students, teachers, staff, and school leaders.
- 4. The district provides access to ongoing professional learning in technology and opportunities for dedicated time to practice and share ideas.
- 5. The district evaluates the impact of information and communication technology on teaching and learning.
- 6. The district maintains technology that supports current assessment practices.

The data sources used to determine the extent to which the goals and objectives are being met include:

- | | |
|--|--|
| <input type="checkbox"/> Attendance/dropout/suspension rates | <input type="checkbox"/> Library media standards assessment |
| <input type="checkbox"/> Parent/teacher/student surveys | <input checked="" type="checkbox"/> State/federal program requirements |
| <input type="checkbox"/> Assessment statistics | <input type="checkbox"/> Longitudinal performance data |
| <input type="checkbox"/> College attrition/completion rates | <input type="checkbox"/> Finances—revenues and expenditures |
| <input checked="" type="checkbox"/> Long-term facility/maintenance needs | <input checked="" type="checkbox"/> Internal evaluations by district staff |
| <input type="checkbox"/> Participation in extracurricular activities | <input type="checkbox"/> External evaluations by others |
| <input type="checkbox"/> Participation in special/supplemental programs | <input type="checkbox"/> Other: |

EVALUATION RESULTS

Goals and objectives that were met:

Goal 1 and Objectives 1, 2, 3, 4, and 6

Goals and objectives that were not met:

5. The district evaluates the impact of information and communication technology on teaching and learning

Evidence of change in the past two years resulting from program evaluation:

Year of change

Continued upgrades to district desktop and laptop computers provide functional computing devices at a fraction of the cost for new units

Ongoing



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Coordinated and verified installation of new surveillance system in HS & MS	2020-21
Coordinated and verified installation of new building public address system	2020-21
New workstations and display devices built and installed to facilitate new surveillance system.	2020-21
Purchased and installed Aruba WiFi diagnostic unit to troubleshoot poor WiFi performance in various locations.	2020-21
Large deployment of Chromebooks and iPads for faculty & student use.	2019-20
Learned and Configured Apple School Manager and JAMF School for 70+ District iPads	2019-20
Deployed Apple Caching Server to minimize bandwidth usage when updating District Apple Devices	2019-20
Maintaining 290+ District Chromebook with Google Workspace	Ongoing
Configured PDQ Inventory and PDQ Deploy to maintain and update 650+ District Computers	2020-21
Setup Veeam Backup to backup all critical and non critical servers and computers	2020-21
District-wide conversion to VoIP phone system (new switches, VLANs, virtual machine controllers, etc.)	2020-21
Initiated discussion with Admin team on issues with WiFi network, suggesting temporary mitigation plans and permanent solutions	2020-21
Coordinated completion of new Primary building expansion data, WiFi, and VoIP networks.	2020-21
Implemented upgrade to district internet bandwidth, doubling from 250Mbit to 500Mbit	2020-21

Program strengths:

- * The Board of Education and community are committed to providing technology resources for student and staff use
- * The district has established a vision and goals for technology expansion, implementation, and maintenance
- * Two full-time support personnel and knowledgeable media specialists allow timely addressing of district IT issues
- * Core switching network is modern, robust, and fully supported

Program concerns:

- * While the number of mobile devices has increased, the pandemic closures and quarantines have demonstrated an increasing need for devices to ensure equitable student access to instruction and educational resources.
- * The WiFi network as originally designed and implemented cannot meet current expectations. The district needs a true 1-to-1 capable high-density network to handle the ever increasing number of wireless devices.
- * An aligned and articulated sequence of technology knowledge and skills is not integrated throughout the K-12 curriculum.
- * Assessments have not been systematically used to evaluate the impact of technology on teaching and learning.
- * District servers are no longer supported by current version of VMware ESXi. Older version still functions correctly and meets current needs, but new server hardware will need to be purchased and installed before hypervisor can be upgraded to current version.
- * We are still seeing high internet bandwidth use even after doubling our speed to 500Mbit. We routinely hit 85%+ utilization (425Mbit), indicating an impending need to increase bandwidth again.



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Future recommendations resulting from this evaluation:

- * Continue with aggressive expansion of access to mobile devices for students and staff, to ensure equitable access to instruction and educational resources for all students.
- * Upgrade the district WiFi network to high-density model. This means doubling the number of installed access points and converting network to a hardware controller based network.
- * Reconvene the technology committee meetings and update the district technology plan.
- * Continue staffing instructional technology teacher-leader positions to provide faculty with implementation support.
- * Continue integration of a comprehensive sequence of learning objectives throughout the K-12 curriculum.
- * Continue the development and use of assessment tools to evaluate the impact of technology on teaching and learning.
- * Purchase new server hardware to support current version of virtualization software.