Superintendent IT Planning Assessment Survey Report

Thursday, August 07, 2014

Dear Mr./Mrs: Rorex

Your district participated in an onsite visit with district test and technology coordinators, educational cooperative, the Arkansas Department of Education (ADE), and DIS APSCN LAN Support staff as specified in COM LS-14-043, to assist schools in IT planning for future needs in digital instruction and online assessments.

This report will provide an overview of your district's technology readiness. The detailed tools, reports, documentation, etc. has been provided to the testing coordinator and/or the technology coordinator.

No matter the results, you are encouraged to develop and maintain a written technology plan to support digital learning and assessments to close any gaps in the necessary number of student devices, network

District: Sloan-Hendrix School District

Single Network/MAN: Yes (Note: If the answer to this question is "No" a Site Details report will be provided for each site in an effort to provide the most accurate information available.)

A metropolitan area network (MAN) is a large computer network that usually spans a city or a large campus. A MAN usually interconnects a number of local area networks (LANs)/campuses to the Internet. If possible, a MAN network is ideal for supporting digital learning.

Sloan-Hendrix School District

Site Detail Report: Sloan-Hendrix High School

Campus Buildings Served:

SLOAN-HENDRIX ELEM. SCHOOL
SLOAN-HENDRIX MIDDLE SCHOOL
SLOAN-HENDRIX HIGH SCHOOL

The Capacity Planning Workbook is a tool to assist educational leaders in determining technology needs for digital instruction and online assessments. The information below includes the following assumptions including: information provided by district staff, a summary of devices, and administering two (2) testing sessions per day during test administration windows for the days shown. The testing window for both Performance Based Assessment (PBA) and End of Year (EOY) testing is 20 days. Device requirements for fewer days will be provided to assist schools in planning based on individual scheduling constraints.

1. Based on the information provided, campus buildings receiving connectivity from the Sloan-Hendrix High School network will need the PARCC Minimum 5 days to complete online testing with the current student to device ratio.

2. The additional number of devices needed to support assessment windows of 20, 15, and 10 days are listed below:
   a. 20 Days = 0 additional devices are needed.
   b. 15 Days = 0 additional devices are needed.
   c. 10 Days = 0 additional devices are needed.

The published minimum bandwidth-to-student ratio requirement for PARCC testing, utilizing a Caching Server, is 5 Kbps per student (dedicated for assessment – does not take into account other network activity necessary for digital learning.) ADE provides a minimum of 5 Kbps/per student to all districts. Therefore, all sites meet the minimum bandwidth requirements for PARCC testing utilizing a caching server. Depending on the total amount of bandwidth required for all online activities during the school day, districts may need to limit other bandwidth uses during the testing window. Another tool available to technology support staff is the System Check tool. The System Check tool provides a real-time test to estimate the number of students who can be tested.

A	B	C	D
Total Bandwidth Reported (Mbps)	Mathematically Calculated Number of Students Able to Test with Proctor Caching	System Check Projected Number of Students Able to Test with Proctor Caching	Variation Between Mathematically and System Check Calculations of Students Able to Test (%)
26	5200	3657	30%

If column D is greater than 50 percent, you should contact your district technology staff to diagnose the cause of discrepancies. For further assistance, contact DIS APSCN LAN Technicians to provide onsite support.

To request assistance, call the DIS Call Center at 1-800-435-7989, and request an incident be opened for ADE Online Testing / LAN Troubleshooting from DIS APSCN LAN Staff.