Louisiana Believes

Let's Get Digital: Louisiana's Educational Technology Initiative

Today's Objectives

In this session, participants will . . .

- Understand the Department's educational technology vision and goals
- Consider the current state of education technology in their school system
- Establish goals for educational technology in their school system

Agenda

1. Discuss Let's Get Digital Vision
2. Review Let's Get Digital Goals
3. Consider Goals for Individual School Systems

Activity

What does this picture make you think about the evolution of education?

Take a few minutes to write down your thoughts. What is different about the classrooms, about the tools, about the methods of instruction?

Technology Rich Classrooms

For our students to compete and have access to what their peers have nationwide, technology must be embedded into classroom practice.

Technology has the power to support and strengthen educational practices, expand the depth and breadth of learning opportunities and transform the classroom in a way that sets the stage for increased student achievement across the state.

It is Louisiana's goal that all school systems provide a 21st century learning environment that effectively utilizes technology to its fullest extent and is available to all students. Technology should be integrated seamlessly, not as a distraction but an enhancement of the learning objectives.

Let's Get Digital Goals

	Goal	Current State
Devices	**Short term:** Student to device ratio of 2:1 **Long term:** 1:1 ratio	1:1- 26% of students (26 LEAs) 2:1 -42% of students(25 LEAs) ≥3:1- 31% of students (18 LEAs)
Internet Access	**Short term:** 100 kbps **Long term:** 1 mbps	<100 kbps- 33% of students (13 LEAs) ≥100 kbps & < 1mbps- 64% of students (51 LEAs) ≥1mbps- 3% of students (5 LEAs)

Step 1: Review the data

1. Review current student to device ratios - District Technology Footprint.
2. Review the current age and status of devices.
   - Consider that removal of OS and device support will follow end of support lifecycles of software and hardware manufacturers. (Windows, Chromebooks)
   - Consider Assessment Technology Requirements.
   - Anticipate device retirement.

Device Specification	Number of Devices	Anticipated Retirement Date

3. Review current network and WiFi speed - District Technology Footprint.

Step 2: Plan – Set school system goals

INTERNET SERVICE PROVIDER RECOMMENDATIONS

School Year	2017-18 Targets	2020-21 Targets
Small School District (fewer than 1,000 students)	At least 1.5 Mbps per user (Minimum 100 Mbps for district)	At least 4.3 Mbps per user (Minimum 300 Mbps for district)
Medium School District Size (3,000 students)	At least 1.0 Gbps per 1,000 users^	At least 3.0 Gbps per 1,000 users
Large School District (more than 10,000 students)	At least 0.7 Gbps per 1,000 users	At least 2.0 Gbps per 1,000 users

^Published by SETDA 2012; Adopted by the FCC in 2014 https://www.fcc.gov/general/summary-e-rate-moderniza-tion-order
*User: students, teachers, administrators, staff, and guests
Methodology Appendix A

1. Consider the State Educational Technology Director Association's (SETDA) recommendations.

2. Set a goal for student to device ratio, Wi-Fi speed, and network speed.

WAN RECOMMENDATIONS

School Year	2017-18 Targets	2020-21 Targets
Connections to each school to link to the internet via a district aggregation point and for in-house administrative functions	At least 10 Gbps per 1,000 users	At least 10 Gbps per 1,000 users

*User: students, teachers, administrators, staff, and guests

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Activity

1. Take a moment to think about your current state and your desired goals.

2. Go to "Let's Get Digital Planning" https://goo.gl/QZpFqp

3. Choose File, Make a Copy.

4. Enter your current state and goals.

5. Connect with your shoulder partner.
   - Discuss the current state of your school/school system's student to device ratio, network, and bandwidth.
   - Discuss your goals.

Step 2: Plan—Develop a long-term plan

	2018-2019	2019-2020	2020-2021	2021-2022
Student to Device Goal				
A. # of Total Devices Needed				
B. # of Devices Owned				
C. # of Devices to Retire				
D. # of Devices to Remain (B-C)				
E. # of Devices to Buy (A-D)				

Develop a long-term plan for:

- Devices
- Network
- Wi-Fi

Step 3: Explore budget opportunities

Consider the following:

- How do you monitor utilization rates?
  - Consider choosing school-wide or system-wide software to avoid duplication of similar products

- How do you leverage purchasing power?

  State Contracts

- As you purchase technology, what happens to the cost of ink, toner, and copying costs?

"According to a Federal Communications Commission evaluation of the Project RED study and the government industry-led LEAD Commission, digital learning material-rich education can offer about $250 in savings over traditional education per student per year."

Edudemic

Activity

What are ways we can save money to fund technology or by using technology?
https://goo.gl/jx71My

Step 3: Align 2018-2019 budget to fund the plan

Funding Resources:

- Louisiana Department of Education Program specific guidance

- Guidance from US Department of Education, Office of Educational Technology on leveraging federal funds.

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