

Kentucky Department of Education

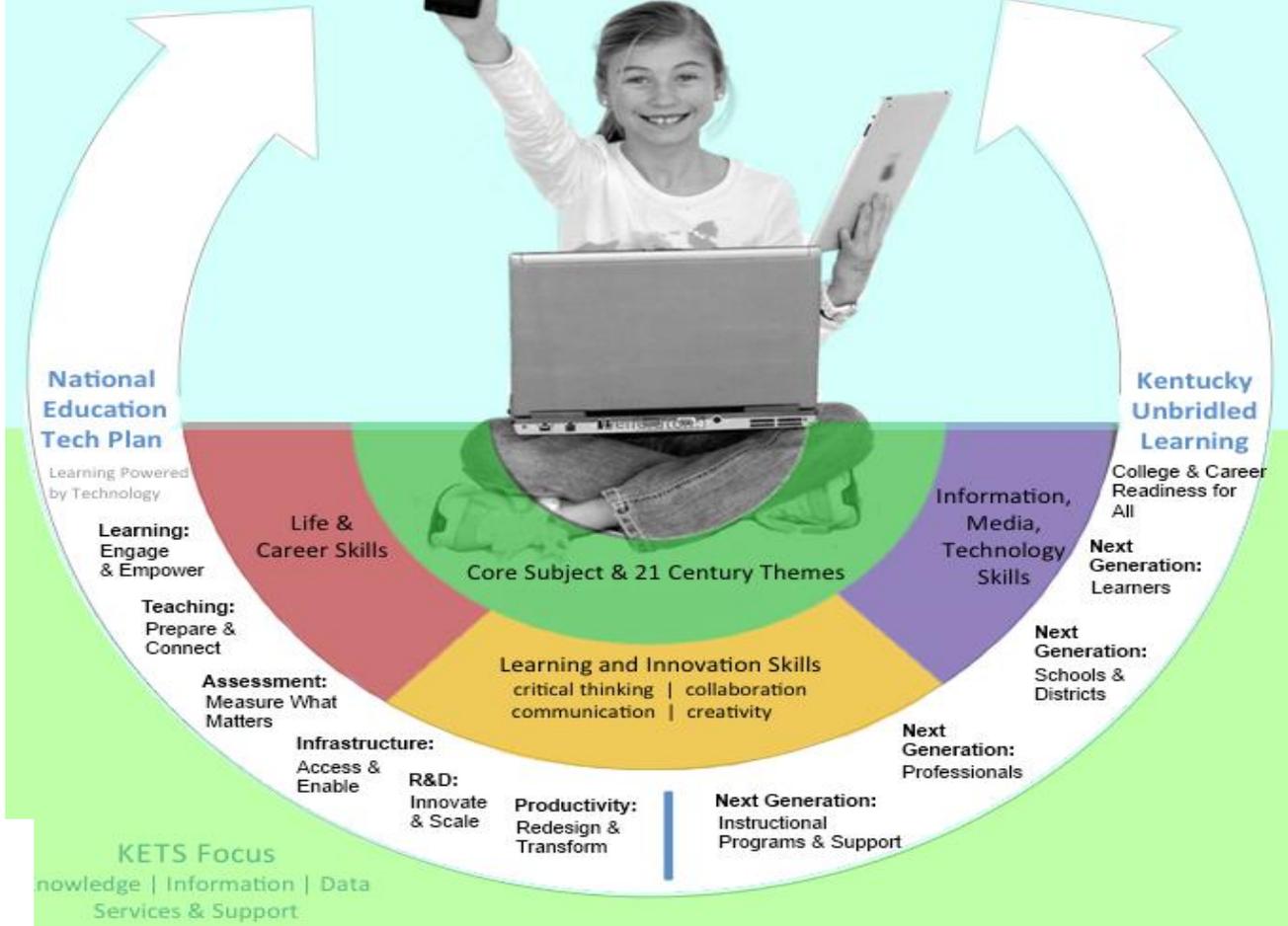
House Budget Review Committee on Primary and Secondary Education

February 12, 2014



Equity, Ease of ACCESS

To Content.



KETS Major Achievements Since 1992

- 1st state to have all districts and schools connected to the Internet.
- Top state in K-12 cloud based computing.
- Top state in K-12 product standards.
- Top 5 state in access and use in instruction.
- Top 10 state in Data Quality.
- Top state in equity of access and services.
- Top state stewardship of taxpayer funds.
- Kentucky Top 10 state in education quality.

Ease and Equity of Access (Adequacy)

- Solid Instructional Strategy with PD.
- End devices for students and teachers.
- Fast Response (i.e., wireless and Internet speeds).
- Quality Content.
- Digital Citizenship.

History of K-12 Technology Funding

- 1990 Start of KERA.
- Then steady drop of funding.
- 1998 Surplus Funding.
- Then steady drop of funding.
- 2006 KEN and IDU initiative.
- Then steady drop of funding.
- 2012 KEN and KETS cut, IDU bond not reissued.
- 2014?

Funding Cuts to K-12 Technology

- Federal edtech funds have been cut 100% (30% reduction in the number of technology integration specialist positions in Kentucky schools).
- KEN funds have been cut by 18%.
- KETS funds were cut by 16%.
- IDU funds have been cut by 100%.
- 6-8 year crisis cycle since 1992.

TELL Survey Results

- The percentage of the teachers surveyed in the 2013 TELL that feel the reliability and speed of their school's Internet connections are not sufficient to support instructional practices.
- End devices too old and unreliable.

2013 KY K-12 TELL Survey Results

Only Two Questions Where Rates of Agreement Decreased: Technology

Survey Item	2013	2011	2013-2011
The reliability and speed of Internet connections in this school are sufficient to support instructional practices.	75.6	81.7	-6.1
Teachers have access to reliable communication technology, including phones, faxes and email.	94.0	94.5	-0.5



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Survey of Kentucky Superintendents

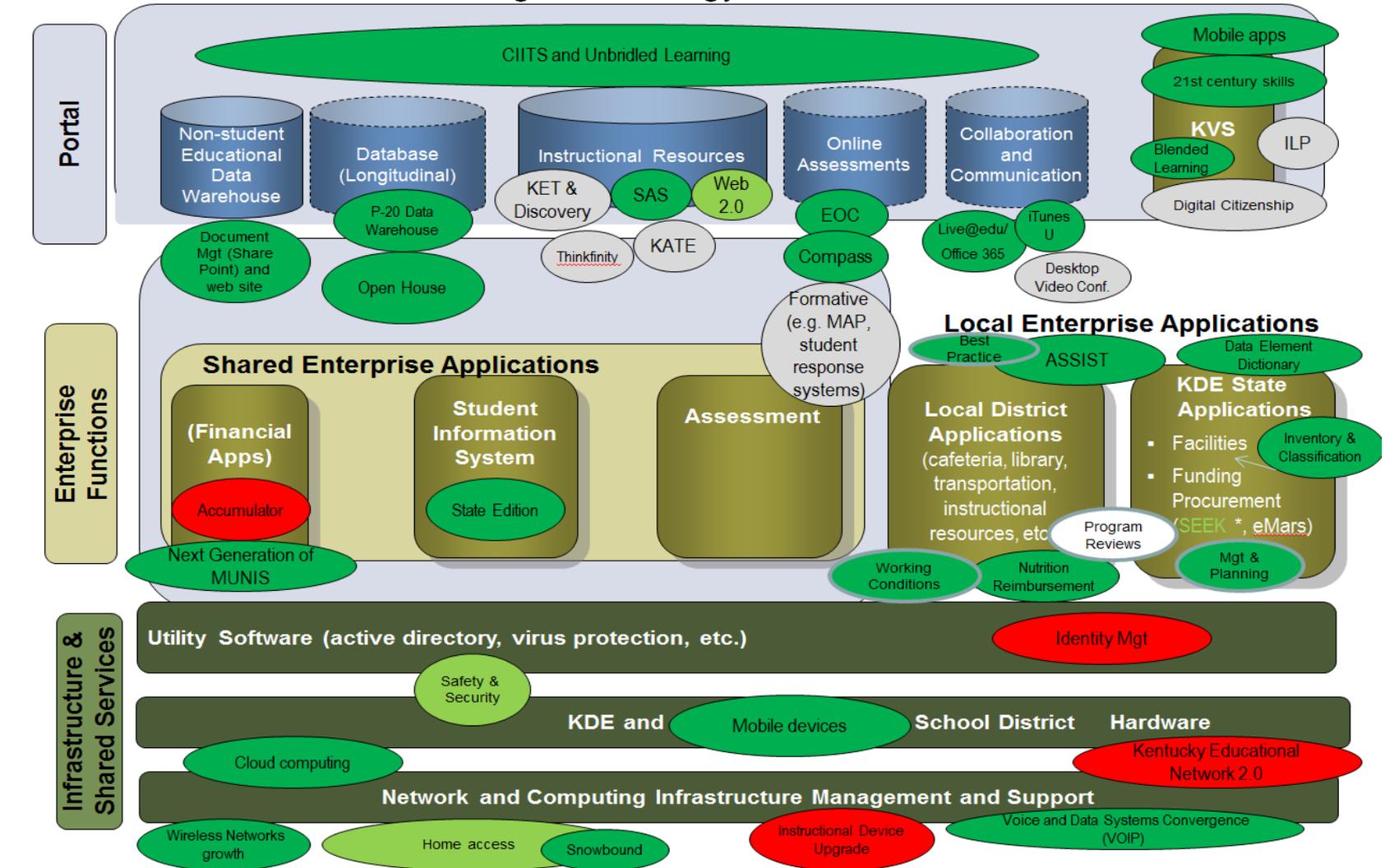
Superintendent's Webcast

8/27/13

9. Which one of the following is of the most concern to you if the district's staff, teachers and students could not have the item readily available without sufficient high-speed Internet access?

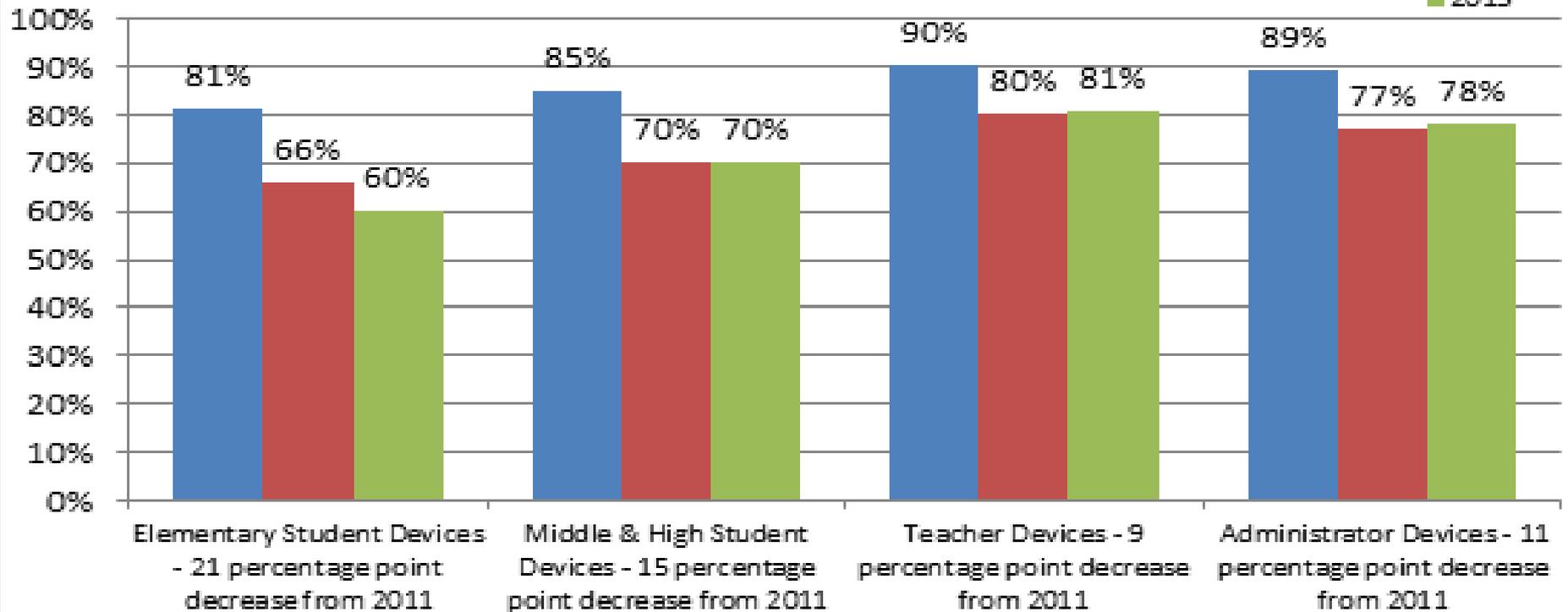
CHOICE	VOTES	%	
A. On-line assessment/testing	15	24%	
B. On-line instructional content, tools, courses, and research	43	68%	
C. Communication and collaboration tools	1	2%	
D. On-line professional development, training tools, and materials	1	2%	
E. On-line operational administration	3	5%	

Strategic Technology Enabled Initiatives



Instructional Devices that Meet or Exceed Standard

■ 2011
■ 2012
■ 2013



Next Generation Kentucky Education Network (KEN) KIH3 Update Nov 2013

- “First Wave” bandwidth upgrades completed (42 Districts) in August 2013.
- “Second Wave” begins in Nov 2013; monitor potential bandwidth issues .
- “Third Wave” all districts on KIH3 by June 2014:
 - New Bandwidth Allocation model of 50 kbps/ADA.
 - Next FY request is for 100 kbps/ADA (funding dependent).

FY14 KETS Unmet Need

The four basic categories of unmet need are operations, maintenance, incremental replacement and new technologies. Of the four categories, expenditures in Operations and Maintenance are necessary to sustain current levels of service. That is, if unmet need within the Operations and Maintenance categories is not addressed in accordance with program guidelines, the integrity, sufficiency, and capacity of the district technology infrastructure will degrade until services are seriously curtailed or eliminated. These include items like student and teacher workstation repair, instructional software/services improvements, classroom printer repair, instructional file server repair, school and district management software improvements, initial/ongoing technology integration professional development, student technology leadership services, Internet instructional content, telephone communications to parents, distance learning service, help desk services, e-mail services, and enterprise data system access.

The unmet need for Incremental Replacement constitutes a framework for replacement of various technology components on a scheduled basis over time, in accordance with the life cycle of each item or service. These include items like student workstations, teacher workstations, instructional file servers, assistive and adaptive technology, school laser printers, classroom color printers, wireless networks, student hand-held devices, high-speed fiber networks, desktop conferencing, and digital projection devices.

Superintendents Summit – September 2013

<u>KDE/KBE Budget Priority:</u> TECHNOLOGY	<u>FY 15</u>	<u>FY 16</u>	<u>Total</u>
<ul style="list-style-type: none"> • Increase current bandwidth capacity to enhance the learning experience of all students (\$5.8M a year). • Kentucky Education Technology System (KETS) – funding to support state technology shared services to all school districts (\$3.1M a year). • Debt service for Instructional Device Replacement funding such as desktops, laptops and mobile devices for students (\$11.4 M in debt service a year to support a single \$50 M bond). 	\$20,300,000	\$20,300,000	\$40,600,000

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Questions?

David Couch

Associate Commissioner

Kentucky Department of Education

Office of Knowledge, Information and Data Services (KIDS)