

The Transformation to Digital: What It Looks Like, Why It Works, Why It's Time

twitter: @halldavidson

tinyurl.com/HDHandouts

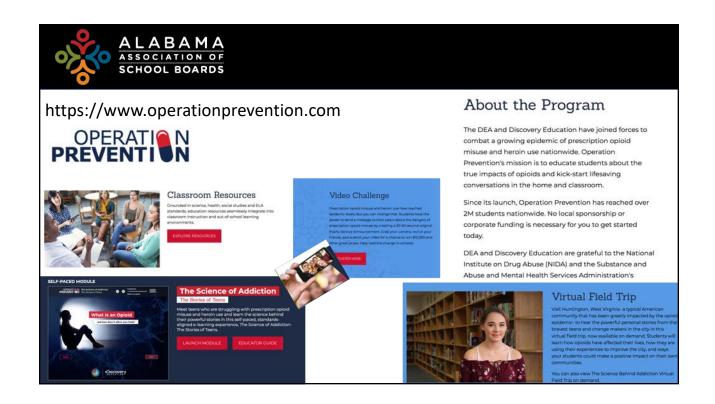
Presented to the board members at AASB whose students will work, live, and achieve in the future. by

Hall Davidson

Senior Director, Global Learning Initiatives, Discovery Education

June 16, 2018



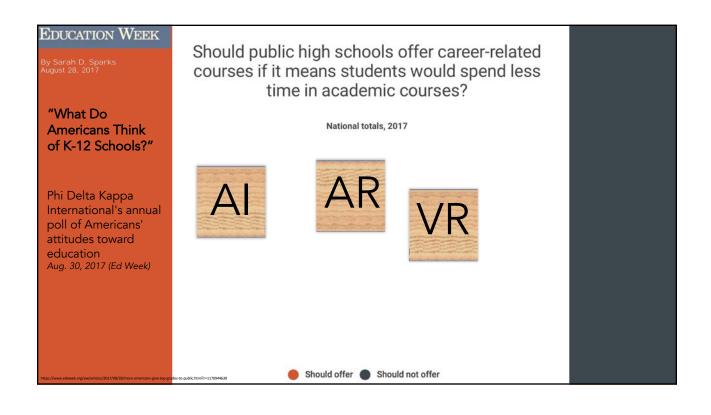


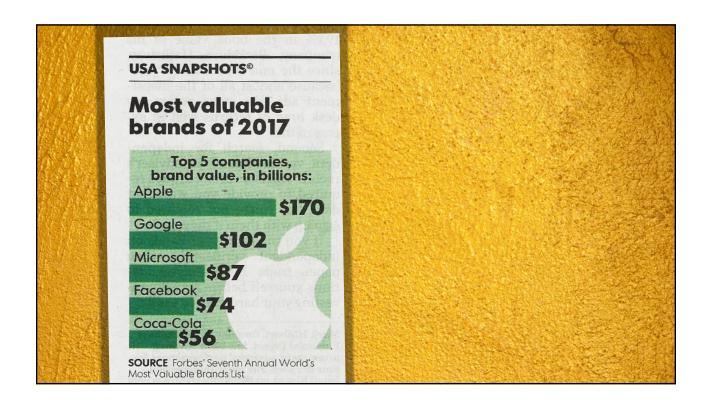


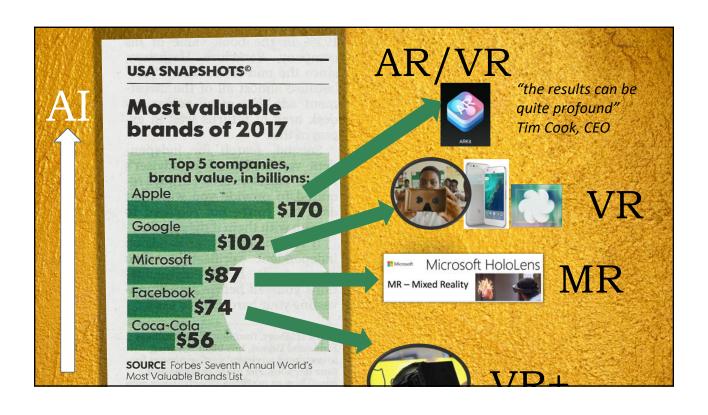
The Broader Responsibility

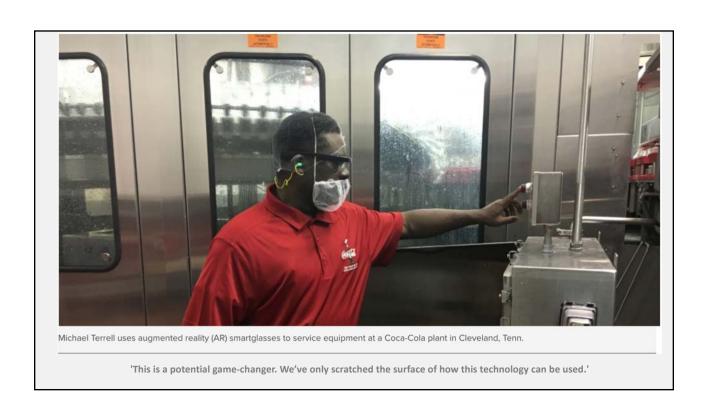
We teach students.

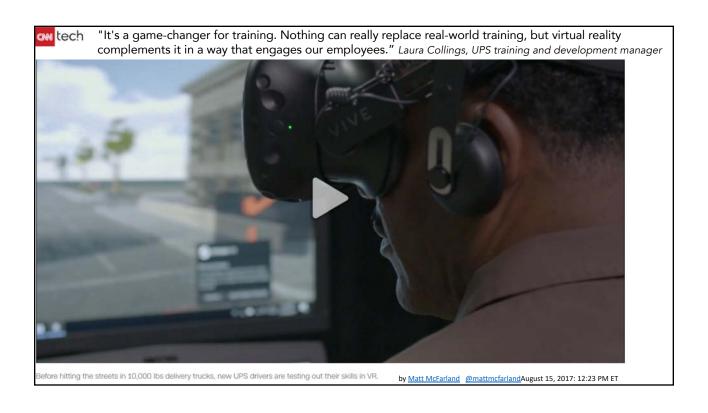
We prepare kids to achieve on tests and for their life in the world after school: Work, life, digital democracy.













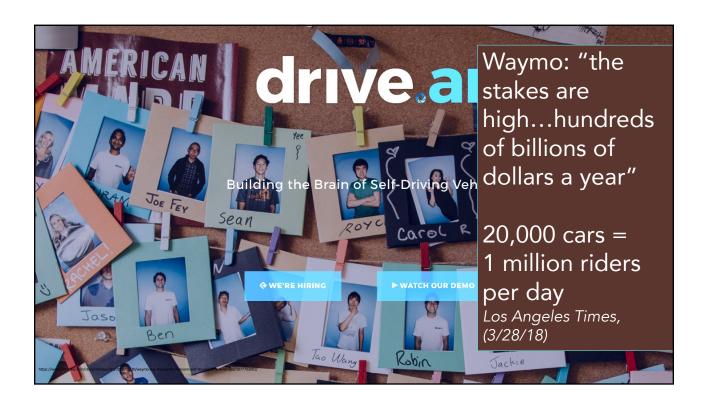
'Al will effect life as much or more as the last whole wave of technology.' Sir Ken Robinson



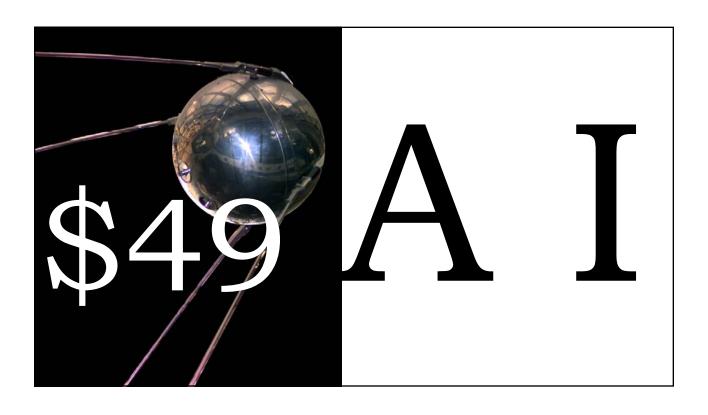
FETC, January, 2018

Year	Focus China next generation AI development plan goals
2020	Big data intelligence, autonomous intelligence systems, cross-medium intelligence, swarm intelligence, hybrid enhanced intelligence, Al foundationa theories
2025	Intelligent manufacturing, intelligent medicine, intelligent city, intelligent agriculture, national defense construction, Al laws and regulations, Al security assessment and control capabilities
2030	Social governance, national defense construction, industrial value chain









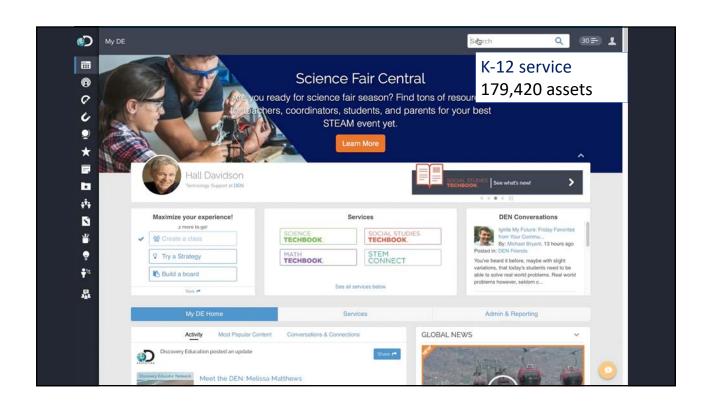


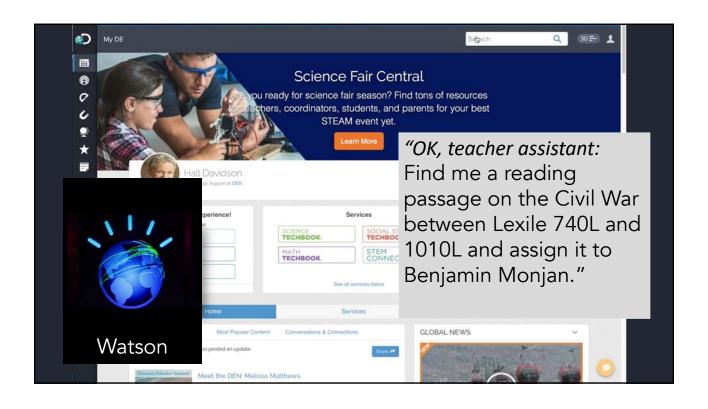
Prince George's County Summer Internship Program: Creating Alexa Apps for Students



They coded for challenges faced by some public school students,

- reading impairments/ language barriers
- fundamental math skills
- guide students through all aspects of the college application process.







Break! STEAM question

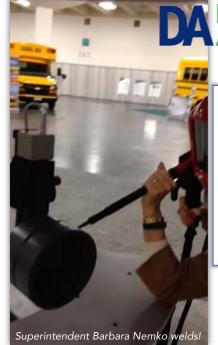
What percent of the world's pianos are sold in China?

Source: Steinway USA Today 3-28-18



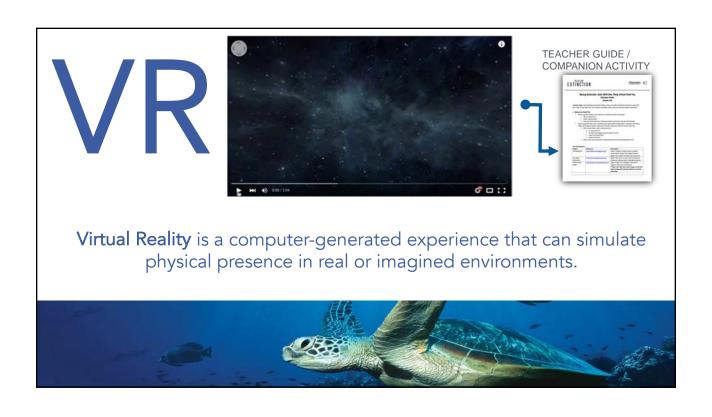
Virtual reality offers real rewards in education

How cutting-edge VR technology brings K-12 career development to life <u>Jennifer Fink District</u> <u>Administration, June 2017</u>



Familiarity and comfort with VR "is a marketable skill right out of school."

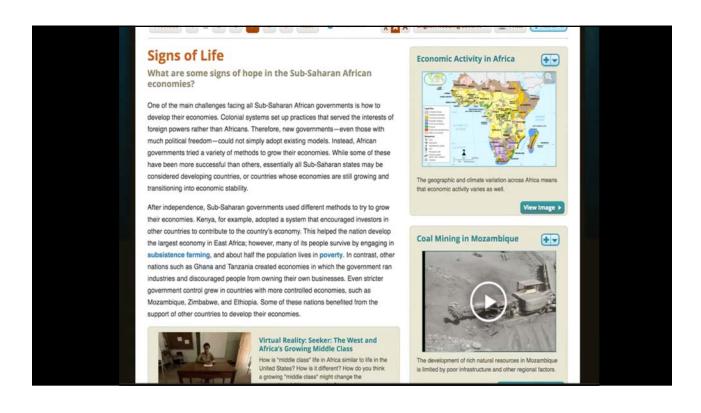
ministration

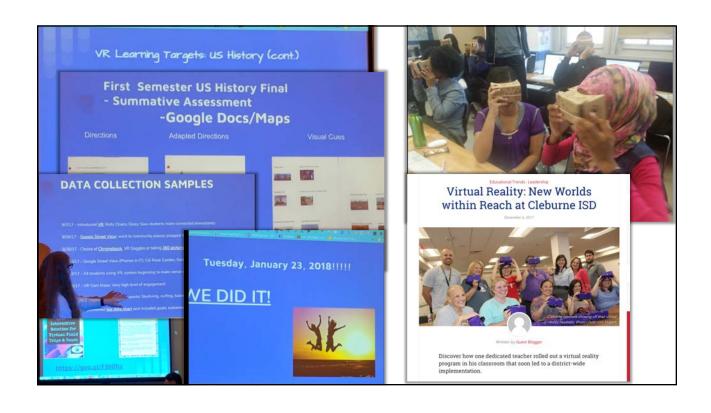




















Augmented reality is the integration of digital information with the user's environment in real time.











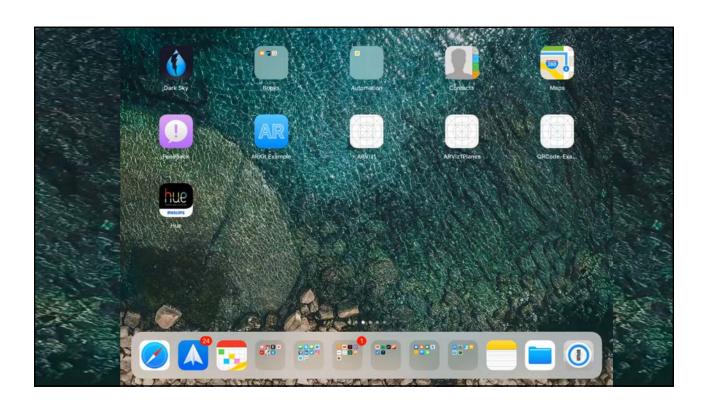


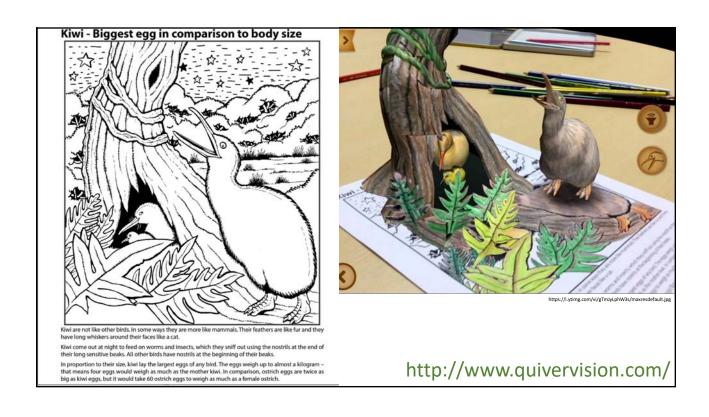


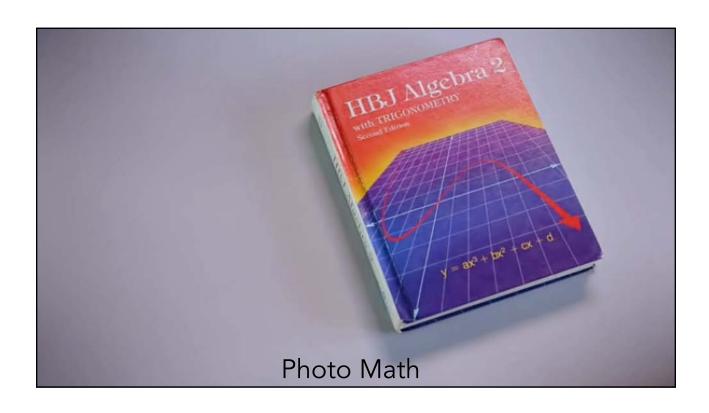


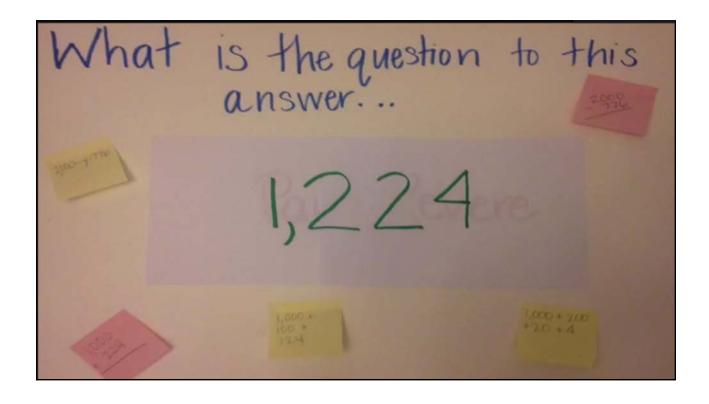




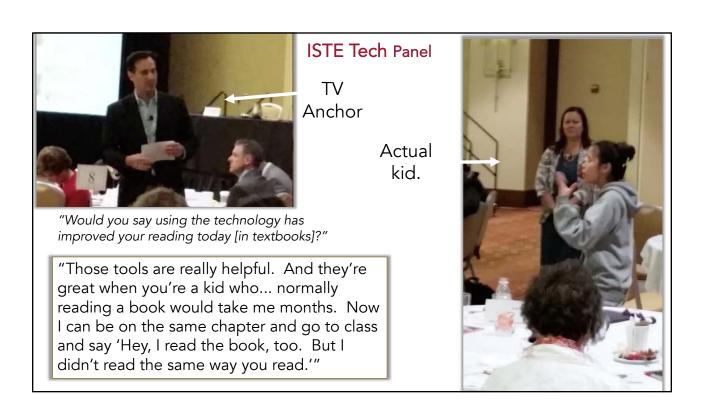


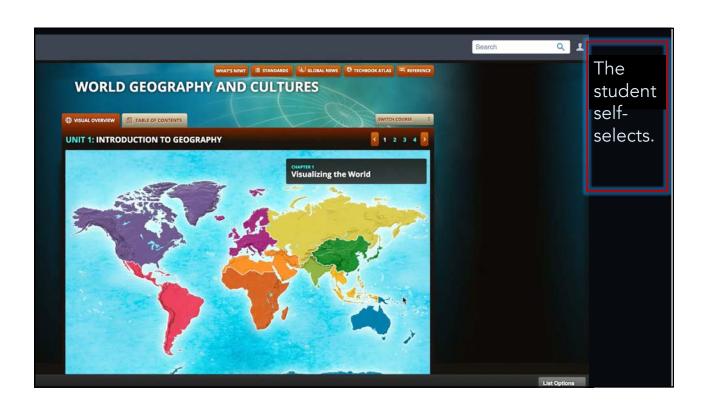


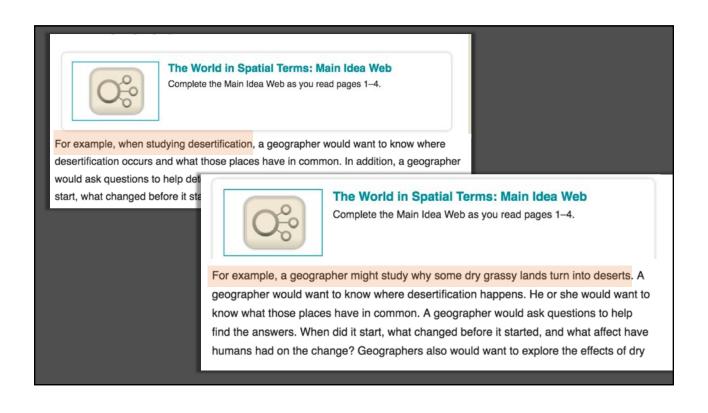


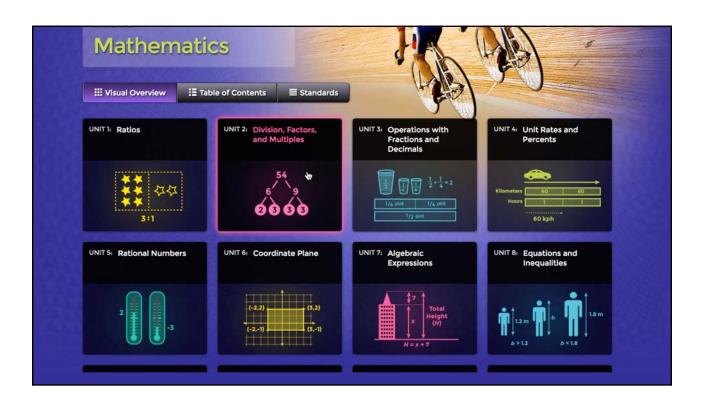


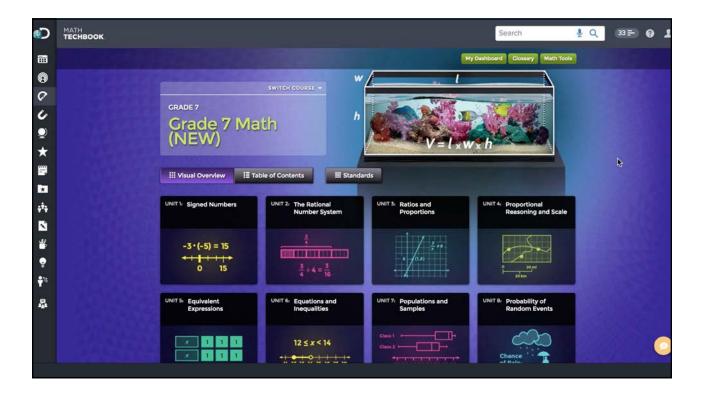


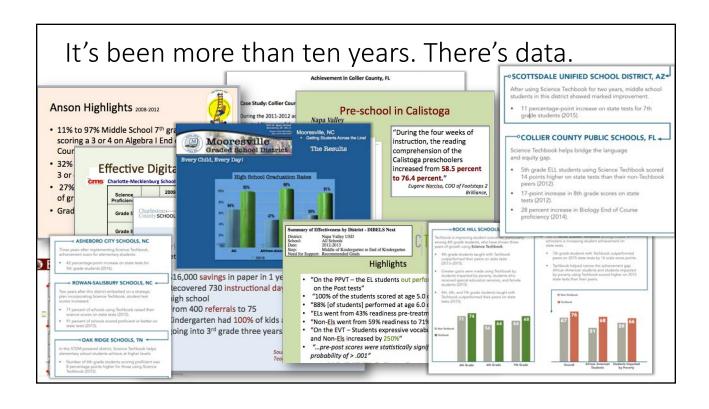


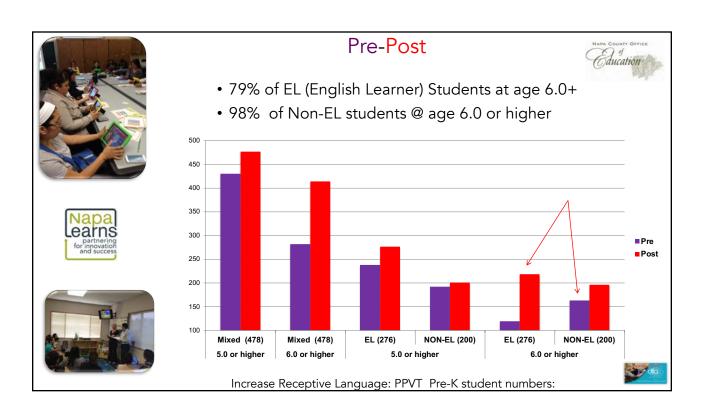


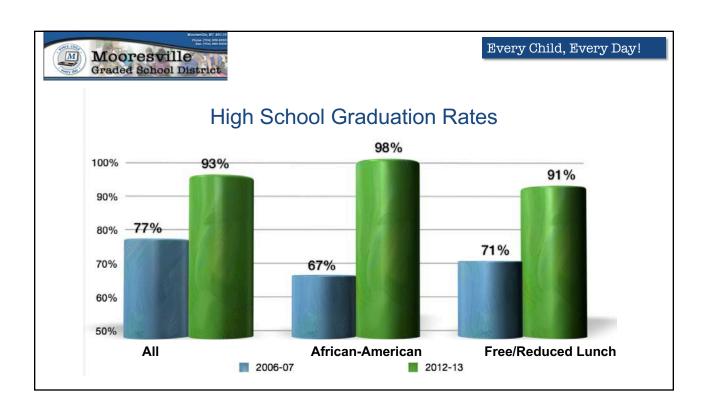


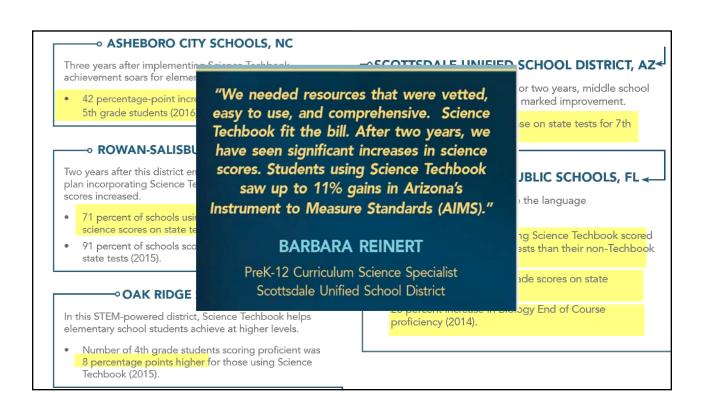


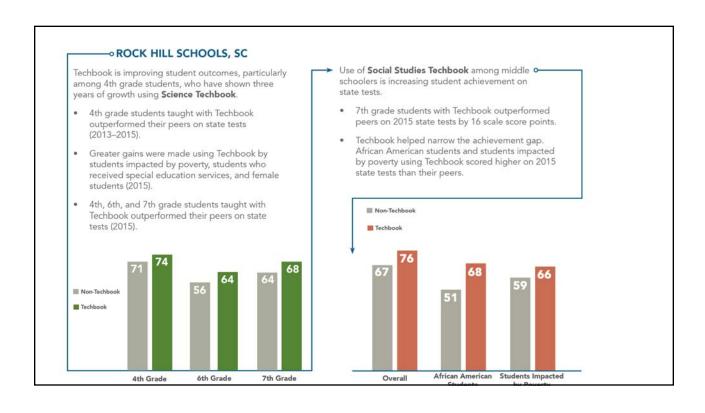


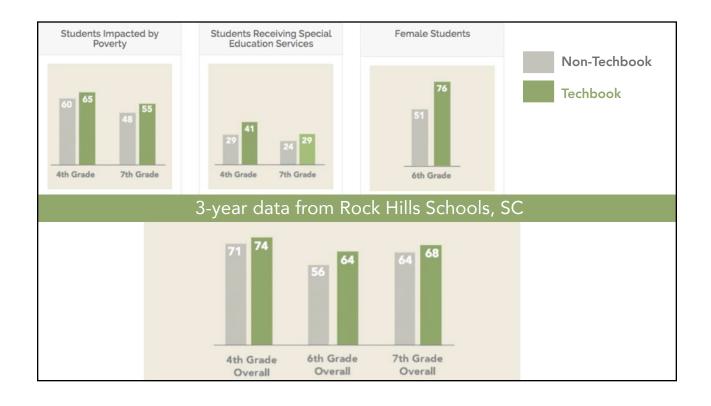










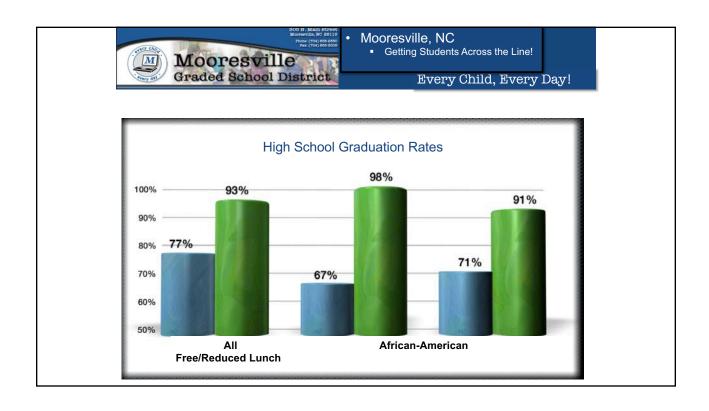


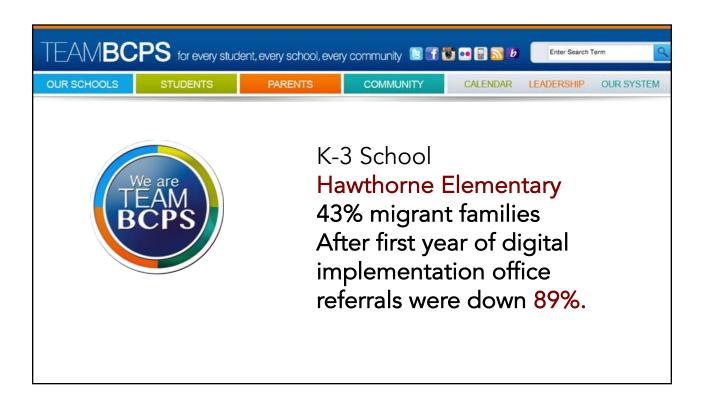
"We needed resources that were vetted, easy to use, and comprehensive. Science Techbook fit the bill. After two years, we have seen significant increases in science scores. Students using Science Techbook saw up to 11% gains in Arizona's Instrument to Measure Standards (AIMS)."



Barbara Reinert PreK-12 Curriculum Science Specialist Scottsdale Unified School District Ann Clark Charlotte-Mecklenburg Schools Superintendent (2017)











Implemented chrome books After student use from February - May, 2015, grades 5-12 kids surveyed:



 60% worked with a student in class they never talked to before.

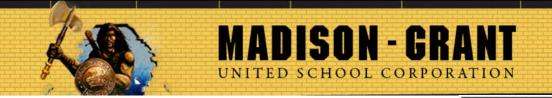




 Distributed leadership in the classroom "We no longer have a divide between kids who love math and those who loathe it. With a digital math 'techbook', there's a hook for every kid."

Heather James 6th Grade Math Teacher Richmond County Schools, NC

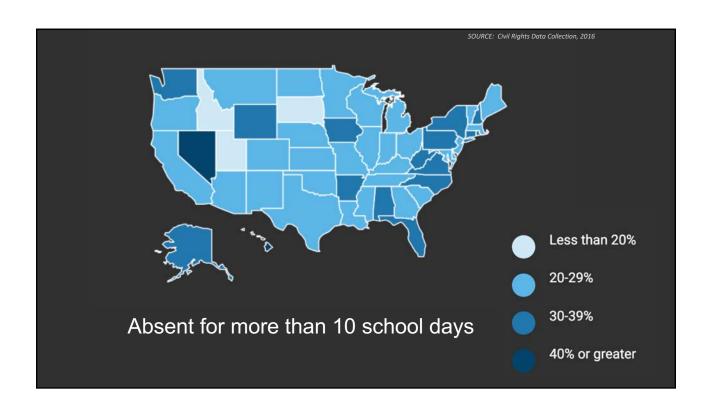




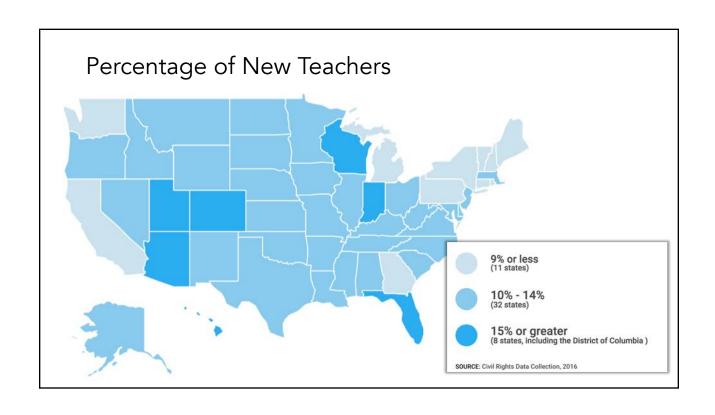
They started their digital conversion in the 2013-2014 school year. By the next year, average teacher attendance rate went up 35%.

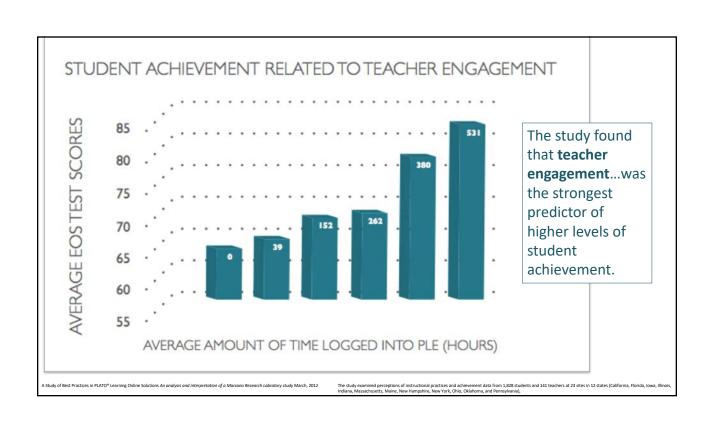


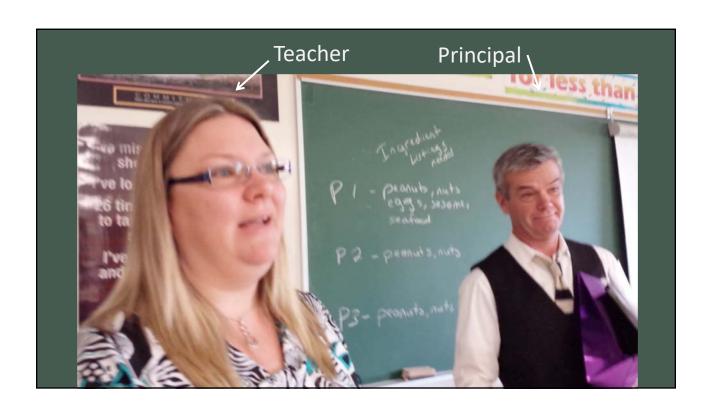
Teachers missed 3 less days per year.



















The Transformation to Digital: What It Looks Like, Why It Works, Why It's Time



twitter: @halldavidson

tinyurl.com/HDHandouts

Presented to the board members at AASB whose students will work, live, and achieve in the future. by

Hall Davidson

Senior Director, Global Learning Initiatives, Discovery Education

June 16, 2018

