OET Updates
National Forum for Education Statistics

Katrina Stevens, Deputy Director
Office of Educational Technology • US Department of Education

@OfficeOfEdTech
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Office of Educational Technology

Tech.ed.gov

- Develops national educational technology policy
- Supports the President’s and Secretary’s priorities by promoting equity of access, ensuring connectivity, and leading cutting edge research
- Housed in the Office of the Deputy Secretary & works in collaboration with other ED offices, the White House, & other federal agencies on issues related to the effective use of technology to support learning.
What does it mean to be Future Ready?
Given:

Need for Technology to Support Learning
Given:

Need for High Speed Wireless in Every Classroom
Given:

Professional Development for Teachers is More Important than Buying Devices
Future Given #1:
District/School Leaders Responsible for Setting Vision for Technology
Future Given #2:

Traditional Textbooks no Longer Meet Our Needs
Never completes writing assignments
Speaks Spanish
Reads at a 6th grade level
Loves baseball
Knows the name of every state capitol
Has dyslexia
Can’t multiply 5s
Don’t Simply Digitize
Future Given #3:
Access at Home is Essential
Future Given #4:
Tech is a Tool for Equity
“If the technology revolution only happens for families that already have money and education, then it’s not really a revolution.”

- Arne Duncan
All Means All
Legislative Updates
President Obama Signs the Every Student Succeeds Act
Title IVA
Educational Technology
2016 National Education Technology Plan (NETP16)
THE NETP IS...

a call to action

a vision for learning enabled through technology

a collection of recommendations & real-world examples
WRITTEN FOR...

- Teachers
- Policymakers
- Administrators
- Teacher preparation professionals
MAKING POSSIBLE ...
EVERYWHERE, ALL-THE-TIME LEARNING
DIGITAL USE DIVIDE

While essential, closing the digital divide alone will not transform learning. We must also close the digital use divide by ensuring all students understand how to use technology as a tool to engage in creative, productive, life-long learning rather than simply consuming passive content.

PASSIVE USE
Simply consuming media or completing digitized worksheets falls short.

ACTIVE USE
- Media production
- Interaction with experts
- Immersive simulation
- Coding
- Global connections
- Design
- Peer collaboration

tech.ed.gov/netp
Coming Soon
Higher Education NETP
Future Ready: Framework for Transformation

Takecia Saylor, Deputy Director
Office of Educational Technology • US Department of Education

@OfficeOfEdTech
@saytnj

#FutureReady #ISTE2016
ConnectED Initiative

Connectivity

High-Quality Devices & Software

Professional Learning

High-Quality, Affordable Digital Resources

www.whitehouse.gov/connectED

#FutureReady #ISTE2016
Future Ready Pledge

futurereadyschools.org/pledge

#FutureReady

Future Ready District Pledge

I, __________________________ Superintendent of ________________________, do hereby affirm the commitment of this district to work with students, educators, families, and members of our community to become Future Ready by engaging in a wide range of activities such as:

- **Fostering and leading a culture of digital learning within our schools**
  Future Ready district leadership teams work collaboratively to transform teaching and learning using the power of technology to help drive continuous improvement. We work together to protect student privacy and to teach students to become responsible, engaged, and contributing digital citizens.

- **Helping schools and families transition to high-speed connectivity**
  Future Ready districts conduct comprehensive diagnostic assessments of the district’s technology infrastructure and develop a sustainable plan to ensure broadband classroom connectivity and wireless access. Future Ready districts work with community partners to leverage local, state, and federal resources to support home Internet access outside of traditional school hours.

- **Empowering educators through professional learning opportunities**
  Future Ready districts strive to provide everyone with access to personalized learning opportunities and instructional experts that give teachers and leaders the individual support they need, when they need it. Future Ready districts provide tools to help teachers effectively leverage learning data to make better instructional decisions.

- **Accelerating progress toward universal access for all students to quality devices**
  Future Ready districts work with necessary stakeholders to ensure that all students and educators across the district have regular access to devices for learning. Future Ready districts develop tools to support a robust infrastructure for managing and optimizing safe and effective use of technology so students have opportunities to be active learners, creating and sharing content, not just consuming it.

- **Providing access to quality digital content**
  Future Ready districts align, curate, create, and consistently improve digital materials and apps used in the support of learning. Future Ready districts use carefully selected high quality digital content that is aligned to college and career ready standards as an essential part of daily teaching and learning. Teachers are able to share, discover, and adopt openly licensed materials and teaching plans.

- **Offering digital tools to help students and families Reach Higher**
  Future Ready districts make digital resources available that help access expanded college, career, and citizenship opportunities. Future Ready districts promote ways to leverage technology to expand equity through digital activities such as completion of the FAFSA online, virtual counseling services, college scholarship search tools, and online advising access, all of which help to return America to the nation in the world with the highest college completion rate by 2020.

#FutureReady #ISTE2016
Over 2200 Future Ready Pledge Signers

Impacts over 16.3 million Students
13 Future Ready Regional Summits

<table>
<thead>
<tr>
<th>Location</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Raleigh, NCC</td>
<td>February 11-12</td>
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<tr>
<td>Vancouver, WA</td>
<td>February 17-18</td>
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<tr>
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<td>March 25-26</td>
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<td>San Francisco, CA</td>
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<td>May 18-19</td>
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<td>Baltimore, MD</td>
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<td>Pittsburgh, PA</td>
<td>June 22-23</td>
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<tr>
<td>Orange County, CA</td>
<td>August 4-5</td>
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#FutureReady #ISTE2016
Future Ready Focus Areas

- Collaborative Leadership
- Robust Infrastructure
- Personalized Professional Learning
- Personalized Student Learning
Future Ready Learning
Reimagining the Role of Technology in Education

2016 NATIONAL EDUCATION TECHNOLOGY PLAN
JANUARY 2016
U.S. DEPARTMENT OF EDUCATION
http://tech.ed.gov

#FutureReady #ISTE2016
Connecting Schools a Top Priority

“In a country where we expect free wi-fi with our coffee, we should definitely demand it in our schools”

~ President Obama
Robust Infrastructure

#FutureReady #ISTE2016
• High-Speed Connectivity to Schools
• Data Privacy and Security
• High-Speed Wifi Throughout Schools
• High-Quality Low-Cost Devices
• Home Internet Access
• Digital Citizenship & Responsible Use
• Quality Digital Content and Resources
Personalized Student Learning

#FutureReady #ISTE2016
Future Ready District Pledge

techned.gov/FutureReady
#FutureReady

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- **Opening digital tools to help students and families reach higher**
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#FutureReady #ISTE2016
Why #GoOpen?
Why now?
The goal is changing
The approach is changing
The infrastructure is changing

Our materials are not keeping pace.
#GoOpen Focus

Proof Points

Guidance & Support

Infrastructure
#GoOpen Proof Points

63 #GoOpen Districts
15 #GoOpen States
ASCD #GoOpen Case Studies
12 #GoOpen Stories @ tech.ed.gov/stories

#GoOpen #ISTE2016
15 #GoOpen States

- Arizona
- Georgia
- Illinois
- Indiana
- Maryland
- Massachusetts
- Michigan
- North Carolina
- Oklahoma
- Oregon
- Rhode Island
- Utah
- Vermont
- Virginia
- Wisconsin
#GoOpen State Commitments

- Adopt/Implement a **statewide technology strategy** that includes the use of **openly licensed resources** as a central component
- Develop (if not already created) and maintain a **statewide repository solution for openly licensed resources**.
- Develop the technical capability to **publish OER to the Learning Registry**
- **Participate in a community of practice** with other #GoOpen states and districts to share learning resources and professional development resources
- Create a **section on your website** (e.g. www.yourwebsite.gov/open or similar) to share your commitment to #GoOpen and document your state’s progress
#GoOpen Guidance & Support

Creative Commons
ASCD
CDE/ISTE
ASCD Case Study: COW Project

“There isn’t any off-the-shelf content for what [we are] teaching. Everything had to be something [we] had built, adopted, or adapted.”
ASCD Survey: How Prevalent Is the Use of Open Educational Materials?

- Very: 52%
- Somewhat: 29%
- 27%
- 10%
- 11%
#GoOpen
District Launch Packet

U.S. DEPARTMENT OF EDUCATION
http://tech.ed.gov

[Image of two children using a laptop]

tech.ed.gov/open

#GoOpen #ISTE2016
#GoOpen Infrastructure

New Platforms
New Capabilities
New Content Indexed in Learning Registry
#GoOpen Platforms

Amazon  
Edmodo  
Follett  
Microsoft  
OER Commons
Chesterfield County Public Schools: Integrated OER for Instructional Achievement

The Chesterfield County Public Schools vision for the future is preparing every student to adapt and thrive in a rapidly changing world. The district sees committing to #GoOpen as a natural extension of the work underway in implementing its strategic plan, Design for Excellence 2020.

One of the pillars of this strategic plan is blended learning, defined as "combining the best of face-to-face instruction with online learning to empower students to take a greater role in their own learning anytime, from anywhere." Using openly licensed materials (OER) is changing instruction by increasing student engagement and promoting a more student-centered approach to teaching and learning. Students can engage in the content whenever they want and in any modality of their choosing. The combination of a 1:1 laptop-to-student ratio for 32,000 secondary students, an abundance of free, media-rich, interactive digital content has extended learning beyond the bell schedule and four walls of the classroom.

Openly-licensed educational resources are crucial to the district’s three-pronged “build it, buy it, borrow it” approach to content curation. Curricular resources include carefully selected web-based subscriptions, OER and teacher-reated content. The curriculum and technology teams work collaboratively to identify the best sources of OER, to integrate the content into “CNet,” the district’s digital curriculum management system, and to make it easily available through a district single sign-on dashboard. Content created by teachers using OER is shared both organically through district-provided social networking channels and more formally through a periodic review of teacher-submitted resources provided and posted in curriculum frameworks.

With a high degree of exposure to OER and access to ongoing training and support, Chesterfield students and teachers are experiencing transformational learning experiences. District leaders have deliberately incorporated open channels of communication so that when teachers identify challenges, whether related to curriculum or technology, they have a district focus on removing barriers in pursuit of vision.

One challenge facing the district is varying degrees of teacher readiness. Many teachers have long been pedagogically ready to incorporate the best of freely available web-based content and are just waiting on the...
Rapid Cycle Evaluations for Ed Tech

tech.ed.gov/rcte
Districts Rely More on Peer Recommendations and Pilots than Rigorous Evidence

- Provider Responses: 81% (Recommendations), 43% (Pilots), 38% (Rigorous Evidence)
- District Responses: 59% (Recommendations), 62% (Pilots), 49% (Rigorous Evidence)

#FutureReady #ISTE2016
Take Too Long + Too Expensive
Not Iterative

Iteration 1  Iteration 2  Iteration 3  Iteration 4
Serve Different Purposes

traditional research = causal connections
Identifying partner districts and schools to pilot this fall
Additional Slides that could be moved up into the presentation