



OFFICE OF
Educational Technology

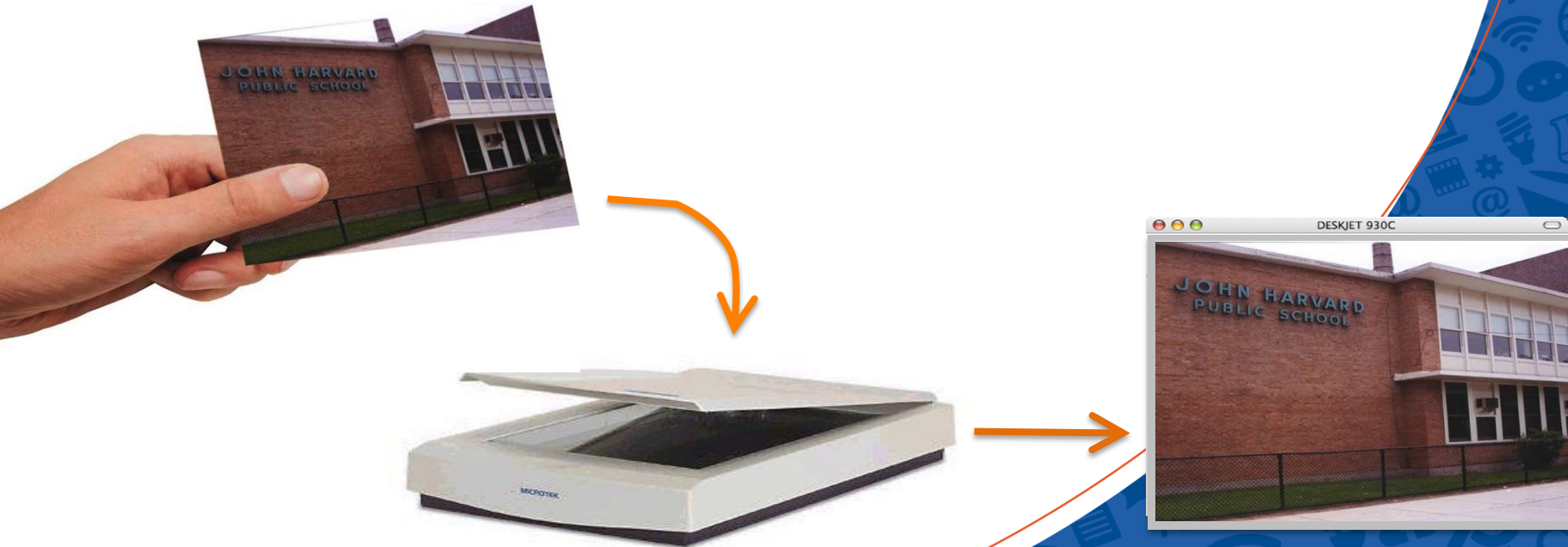
Transformar a aprendizagem com o poder da tecnologia

Joseph South, vice-diretor

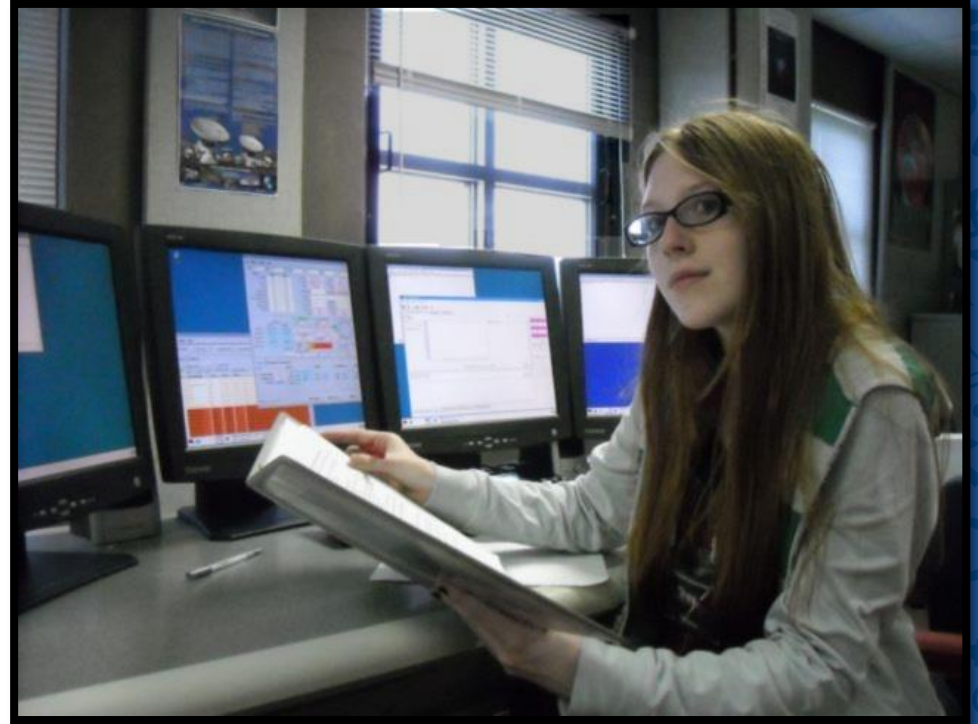
Agência de tecnologia educacional • departamento de educação dos Estados Unidos

 @southjoseph

Se nós simplesmente digitalizarmos as práticas tradicionais,
e não mudarmos como ensinamos e aprendemos,
nós falhamos.



Essa
aluna do
ensino médio
descobriu uma
nova estrela



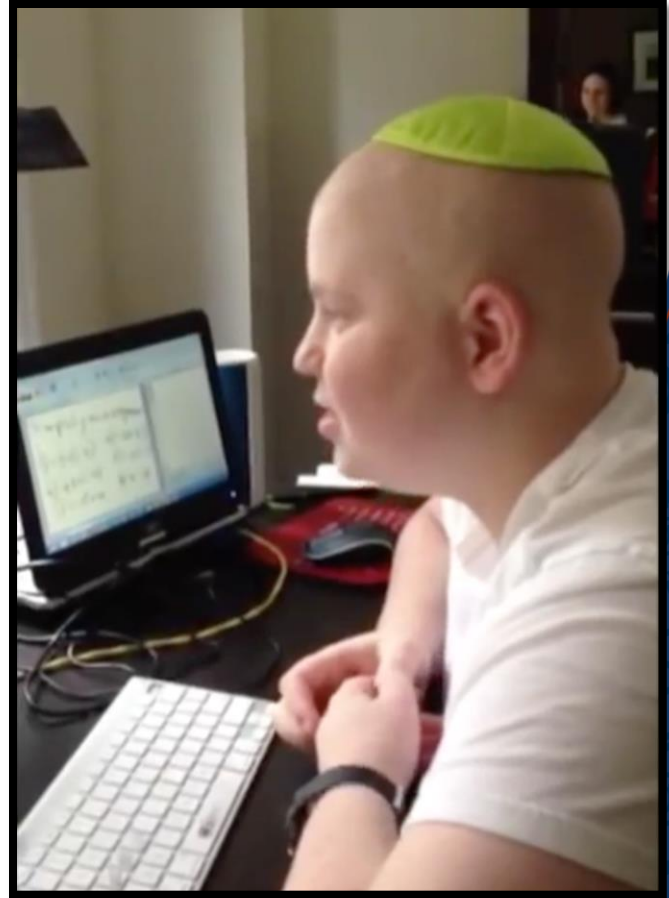
Essa garota
recebeu de graça
uma
prótese de mão,
personalizada,
impressa em 3D



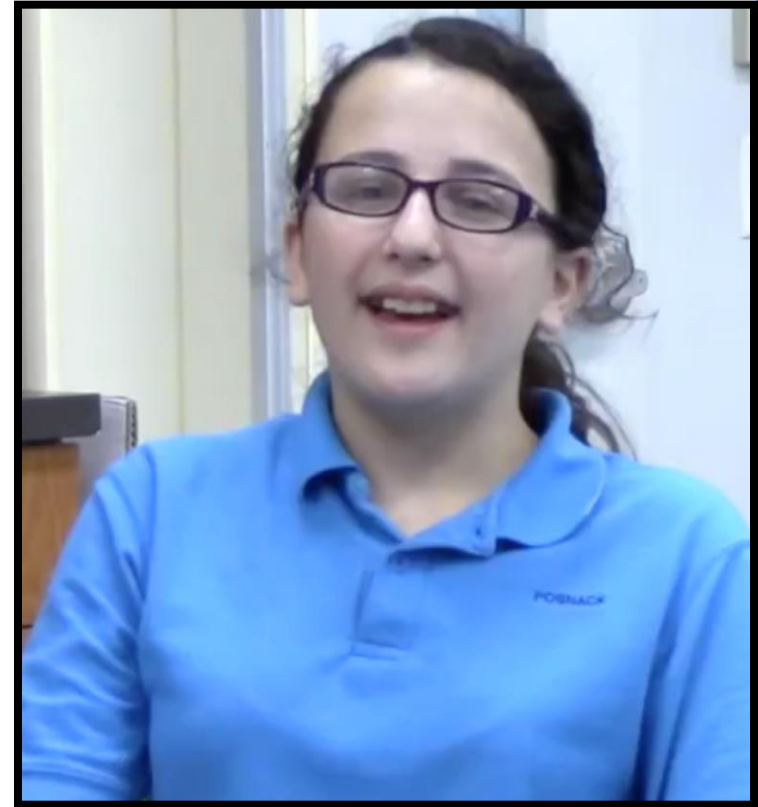
A mão foi projetada,
personalizada e
impressa em 3D
por esses
alunos
de 13 anos de idade
em sua escola



Esse garoto tem câncer e tem que viver em um hospital bem longe de sua escola e amigos para fazer o tratamento



Sua colega de classe
não queria que ele
perdesse um ano
na escola.
Ela pensou em
uma solução
inovadora.

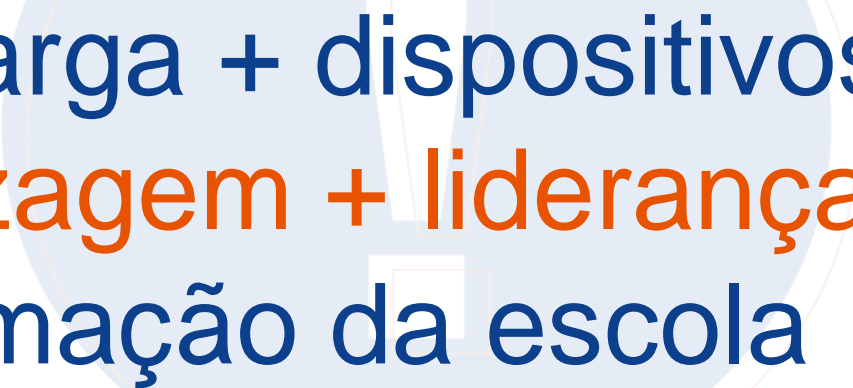


O garoto frequenta
as aulas
remotamente
através de uma
transmissão
de vídeo ao vivo de
um robô

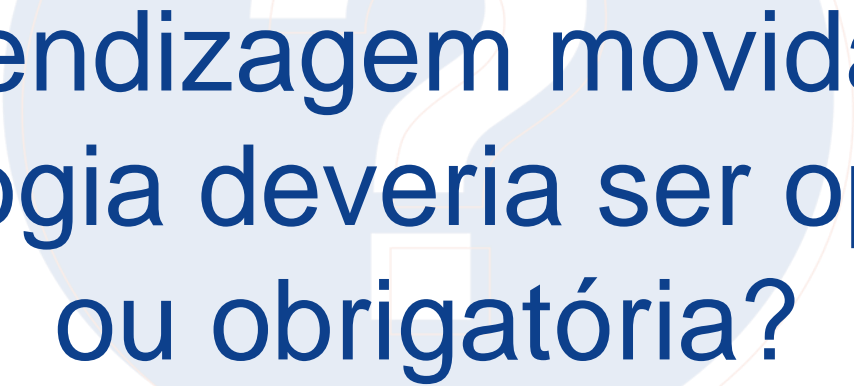




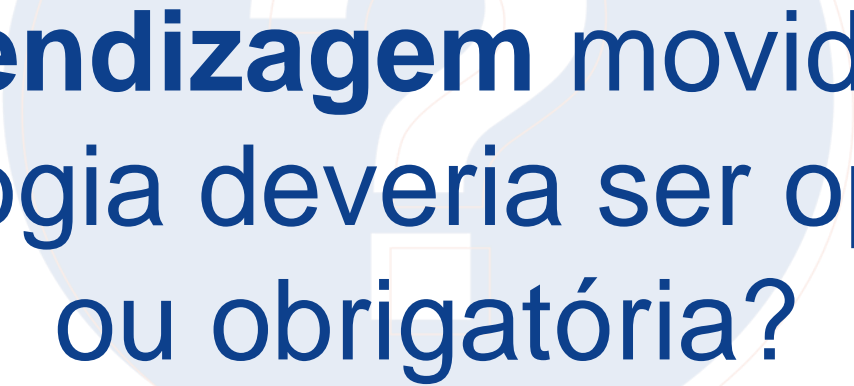
**Banda larga + dispositivos =
infraestrutura necessária**



Banda larga + dispositivos =
aprendizagem + liderança =
transformação da escola



A aprendizagem movida pela tecnologia deveria ser opcional ou obrigatória?



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**O trabalho movido pela tecnologia
deveria ser opcional ou
obrigatório?**

Conectar escolas é a prioridade número um



"Em um país onde esperamos acesso gratuito a rede sem fio junto com nosso café, nós definitivamente deveríamos exigir o mesmo em nossas escolas".



- Presidente Obama

Objetivos conectados: Em 5 anos...

- Banda larga para 99% das salas de aula
- Dispositivos acessíveis, interativos
- Desenvolvimento profissional para professores e líderes
- Conteúdo digital de alta qualidade



Teste de velocidade da escola criado de maneira coletiva/colaborativa



Is your school's Internet access fast enough for digital learning?

Join thousands of colleagues across the nation to find out by taking the school speed test. In less than a minute you'll know the speed of your school's Internet access and the types of digital learning it can support.

TEST MY SCHOOL

School ZIP Code **OR** School City State

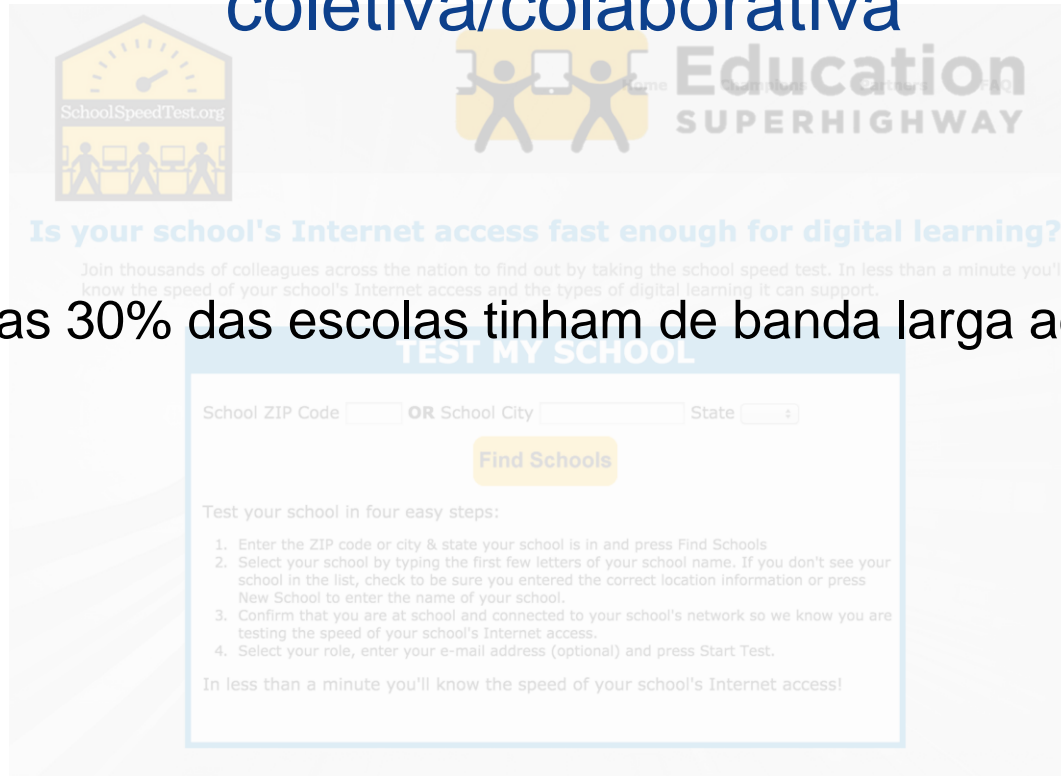
Find Schools

Test your school in four easy steps:

1. Enter the ZIP code or city & state your school is in and press Find Schools
2. Select your school by typing the first few letters of your school name. If you don't see your school in the list, check to be sure you entered the correct location information or press New School to enter the name of your school.
3. Confirm that you are at school and connected to your school's network so we know you are testing the speed of your school's Internet access.
4. Select your role, enter your e-mail address (optional) and press Start Test.

In less than a minute you'll know the speed of your school's Internet access!

Teste de velocidade da escola criado de maneira coletiva/colaborativa



The screenshot shows the SchoolSpeedTest.org website. At the top left is the logo for SchoolSpeedTest.org, which features a house icon with a clock face and three people at computers. To the right is the logo for Education SUPERHIGHWAY, featuring two stylized figures holding a tablet. Below these logos is the main heading: "Is your school's Internet access fast enough for digital learning?". Underneath is a sub-heading: "Join thousands of colleagues across the nation to find out by taking the school speed test. In less than a minute you'll know the speed of your school's Internet access and the types of digital learning it can support." The central part of the page is a form titled "TEST MY SCHOOL". It contains two input fields: "School ZIP Code" and "OR School City", followed by a "State" dropdown menu. Below these fields is a yellow "Find Schools" button. Under the button, there is a section titled "Test your school in four easy steps:" followed by a numbered list of four steps. At the bottom of the form area, it says "In less than a minute you'll know the speed of your school's Internet access!".

Education SUPERHIGHWAY

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Apenas 30% das escolas tinham de banda larga adequada

Comissão Federal de Comunicações

Programa E-Rate modernizado

- O programa não havia sido atualizado em 20 anos
- Subsídios para o serviço de telefone e pager eliminados
- Financiamento de rede sem fio priorizado para escolas e bibliotecas
- Aumento do limite anual de \$2.4 bilhões para \$4.9 bilhões

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**Prever que essas 70.000 escolas
atingirão a meta de banda larga nos próximos dois anos**

O setor privado se envolveu



tech.ed.gov/connectED

O Departamento de Educação dos EUA notificou as escolas estaduais e municipais sobre o financiamento federal para o ed tech

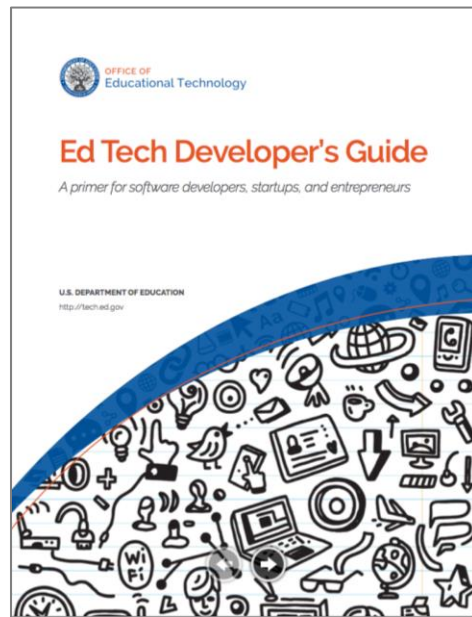
- As pessoas pensaram que não poderiam usar o financiamento federal
- Exemplos: Você pode usar os fundos federais para
 - Ajudar os professores a aprenderem novas tecnologias
 - Aquisição de software para ajudar os alunos de língua inglesa
 - Ajudar na transição de escolas de baixa renda para modelos de aprendizagem personalizados habilitados tecnologicamente

Novas orientações fornecidas

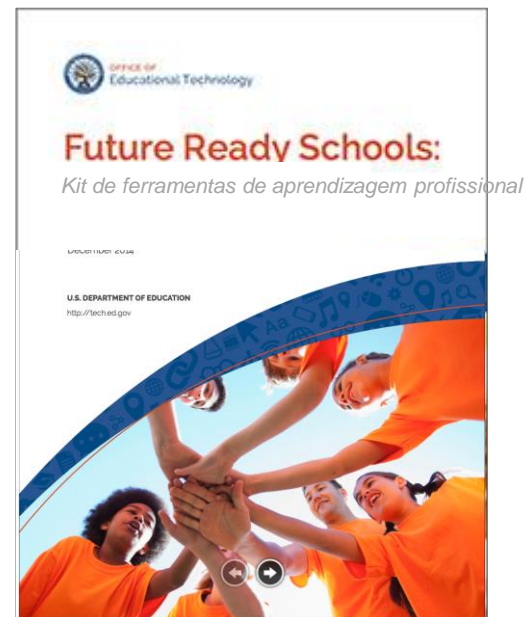
Guia de infraestrutura



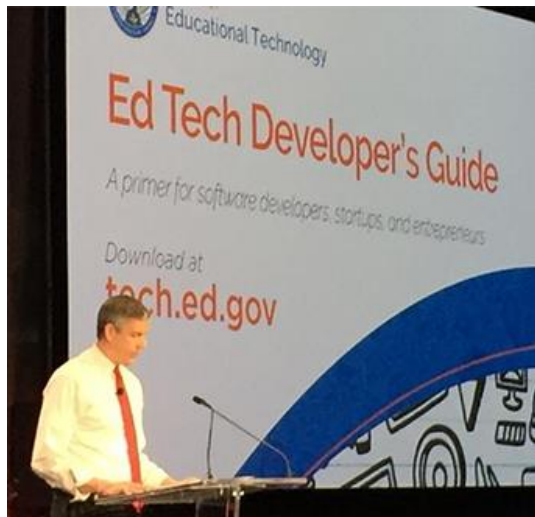
Guia de desenvolvedores



Guia de professores



Acesso igualitário a tecnologia é um direito civil



"Se a revolução da tecnologia só acontece para as famílias que já têm dinheiro e educação, então não é realmente uma revolução."

- Arne Duncan

Petição Future Ready

tech.ed.gov/FutureReady

#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 adapt 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.

#Future Ready Pledge





ConnectED  TO THE FUTURE

ConnectED  TO THE FUTURE



1 825 Petições

11,5 milhões de alunos

tech.ed.gov/FutureReady



Como vamos alcançar nosso objetivo?

- Apoio do Presidente e Secretário da Educação
- Financiamento realocado e maior da FCC
- Parcerias público-privadas com empresas de tecnologia do ed tech
- Novas orientações para os líderes, professores e desenvolvedores
- Criar uma marca (Future Ready) que os estados e municípios podem buscar apoio local



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Obrigado!

Tech.Ed.gov