WARNING!

This presentation contains PowerPoint. Slides may contain more than 7 lines of text, with more than 7 words per line. Images displayed may or may not pertain directly to whatever is being said. Persons under the age of 14 and those with heart conditions must keep hands and feet inside the ride at all times. In case of a water landing or boredom, remember that the nearest exit may be behind you. Aisle lights will illuminate to indicate when it is safe to remove the pizza from the microwave. Contents are extremely hot. Seek immediate medical advice if you experience Universal Design for Learning knowledge lasting more than four hours. Use caution when applying these UDL principles at your own institution.

[music playing: Harry Potter main theme]
What do you already know about Universal Design for Learning?
[Hermione: I don’t like this. I don’t like this at all!]
[Hagrid: Waste of bloody time, if you asked me.]
[Hagrid: Anything you couldn’t explain when you were angry or scared?]
[Dumbledore: Everyone will please not panic!]
[Hagrid: Brought ‘em over to the Dark Side.]
[Yoda: No different! Only different in your mind. You must unlearn what you have learned.]
[McGonagall: He received an urgent owl from the Ministry of Magic and left immediately.]
How can we connect to students who are on mobile devices?

What one strategy could we adopt to supplement—or even replace—face-to-face teaching methods?
Universal Design for Learning = +1

learner engagement representing info action choices

[Hermione: What’s this all about?
Ron: I don’t know.]
Wait a second...
UDL = access (no matter why)
“We want a situation that is good for everybody . . . part of it is thinking about what has to happen at the level of design that makes accommodation less necessary.”

-- Sam Johnston, CAST
[McGonagall: I’ve watched them all day. They’re the worst sort of Muggles imaginable.]
Any sufficiently advanced technology is indistinguishable from magic.

-- Arthur C. Clarke
Are our materials accessible?
Are our materials accessible?

[J.A.R.V.I.S.: Sir, there are still terabytes of calculations needed.]
I'm not sure...
Okay, let’s just make it accessible, then.
• Use alt tags on images (e.g., alt=“This is a corn field”)
• Use aria landmarks (e.g., aria-role=“navigation”)

<table>
<thead>
<tr>
<th>Don’t</th>
<th>use</th>
<th>tables</th>
<th>for</th>
<th>formatting</th>
<th>purposes</th>
</tr>
</thead>
</table>

• `<strong>` is somehow better than `<b>`
• 00:00  Caption every video
  00:05  you ever make because
  00:10  more people use it than you think
• Make text high-enough contrast, or people can’t see it

• Headings **must be in the right order**
• Don’t use the `<blink>` tag, *duh*
Look. We’ve made things... accessible!
So, where do we go next?
The A11Y Project
A community-driven effort to make web accessibility easier.

Learn more
Contribute on Github

http://a11yproject.com

How-tos
How-to: Using Caption Services with HTML5 Video
OpenDyslexic is a new open source font created to increase readability for readers with dyslexia. The typeface includes regular, bold, italic, and bold-italic styles and is being continually and improved based on input from dyslexic users. OpenDyslexic is free for Commercial and Personal use.

Download Now!
annyang! SpeechRecognition that just works

annyang is a tiny javascript library that lets your visitors control your site with voice commands. annyang supports multiple languages, has no dependencies, weighs just 2kb and is free to use.

Go ahead, try it...

Say "Hello!"

Let's try something more interesting...
[Yoda: No more training you require. Already know you that which you need.]
The need to make changes is not always this obvious.
[Ron Weasley: Lucky we didn’t panic.]
Take-Aways
I commit to #UDL!
#ELI2017 @btopro
@ThomasJTobin
@EDUCAUSELI

[Music playing: BBC Proms Hedwig’s Theme]
thomasjtobin.com

elmsln.org

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