The iPad UDL/ULE and Literacy

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Note taking
Provide Options
Key Learning Outcomes

1. Participants will learn about Universal Design for Learning (UDL) principles and how Universal Literacy Environments ULE's can engage struggling readers.

2. Participants will learn how to use the iPads accessibility features and apps to support reading comprehension.

3. Participants will gain confidence in their own technology skills, so they can use iPad technology to support struggling readers in their own environments.
Universal Design for Learning

UDL

Three Primary Brain Networks

- Recognition Network supported by Multiple Means of Representation
- Strategic Network supported by Multiple Means of Expression
- Affective Network supported by Multiple Means of Engagement
Multiple Means of Representation
Learners differ in the ways that they comprehend information.

Multiple Means of Action and Expression
Learners differ in the ways they express what they know.

Multiple Means of Engagement
Learners differ in the ways they can be engaged or motivated to learn.
ULE

ULE is a digital reading environment that provides the learner with a variety of embedded features that are designed to support individual learning needs, while being sensitive to the interactive nature of the reading process.
Universally Literacy Designed Environments
How do they engage readers?
ULE's

1) Easing and promoting recognition networks for decoding skills and oral language development.
2) Developing strategic networks focused on comprehension and word learning strategies.
3) Providing engaging digital learning environments. ULEs are designed for interactivity and student engagement.
Using Digital Text Decoding and oral language Comprehension and Word learning strategies Student Engagement

Three Primary Brain Networks

Recognition Network

Strategic Network

Affective Network

Multiple Means of Representation

Multiple Means of Expression

Multiple Means of Engagement

ULE

UDL
Great Tool for RTI text - supplemental to instruction. Tools I'm going to show are similar to this, but are independent/stand alone tools that can be used easily in the classroom with grade level text.

Figure 1. Sample screenshot of folktale ULE with embedded supports (copyright, CAST, 2004)
Supports

- Pushed to the student vs. pulled by the student
- When the technology is encouraged and modeled how to use by the teacher—pushed—a greater increase of text comprehension occurs.
- Little difference was made when the student just had access or was pulled by the student.
Apps/Supports for decoding and oral language development

Accessibility Features iPad
Reader Pen - AnyBookReader
Online Textbooks
eBooks - Text to Speech
iBooks
Graphic Novels - same Lexile
Continued...Language Development

Vis-a-Word
Speak2See-ASL
Bitsboard

Google Drive access to KEYNOTE Vocabulary Word lists and definitions
Apps/Supports for Comprehension and Word Learning strategies

Pbs Media
Tools4Students
Comic Life
My StoryBook maker
highlight text (3color-details, main idea, vocabulary) using Newsela Website and Liner app - connect texts
Continued...word learning

- **rewordify.com** simplifies text
- **iDictionary.com**
Apps/Supports for creating engaging digital learning environments

Digital portfolios
Google forms
Edmodo

Kidblog
Write About
Educreations

Kidblog

Safe and Simple Blogs for Your Students
Nearly 4 million K-12 students have a voice at Kidblog. We're trusted by teachers around the world. Set up your class for free in 20 seconds - no student email addresses, no ads.

Teachers
Free teacher signup.

Students
Enter "secret code" Connect here!
Continued...apps/supports engaging digital learning environments

Engaging Activities:
- Telligami
- Thinglink
- Padlet
- Kids doodle
- iMovie
- Graphic Novels

What is ThingLink?

ThingLink offers a web platform and mobile app for creating and sharing interactive images. This allows teachers or students to add content inside any image - including photos, video and audio players, web links, polls, text and more - that appear in the image when shared and viewed.

www.thinglink.edu
Pilot Program

- UDL Framework
- ULE Framework
- SLD guidelines and best practices
- Teachings of Vygotsky, Marzano, Wong, Madeline Hunter, Heinemann
- IDEA
- Guided Reading
- RTI interventions
- Project based instruction
- District Protocols
- Assistive technology supports