

# The Modern Special Educator



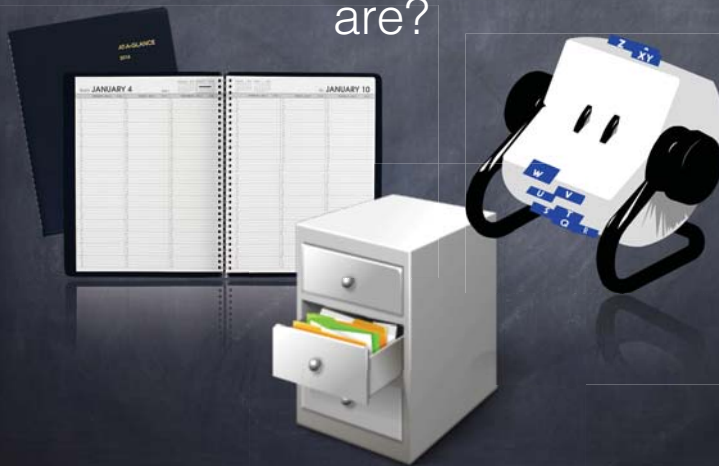
Technology Tools that Transform Education for Special Education and Why we use them



"If we teach today as we taught yesterday, we rob the children of tomorrow"

John Dewey

Do you know what these are?



Do you know what these are?



**"Technology by itself will almost never change education."**

The only way to change educational practices is to change the beliefs and values of teachers, administrators, parents and other educational stakeholders - and that's a cultural issue, not a technological one ...

**"It's about processes and people rather than bits and bytes."**

Dylan Arena, Ph.D., co-founder and chief learning scientist at Kidaptive

Sp ~~X~~ ial Education



# Old School to New School

- A whole new world of reading - textbooks
- Taking Notes - not what it used to be
- “What is your leave behind?” - delivering information
- The death of the worksheet
- From “in the class” to “out of the class” teaching



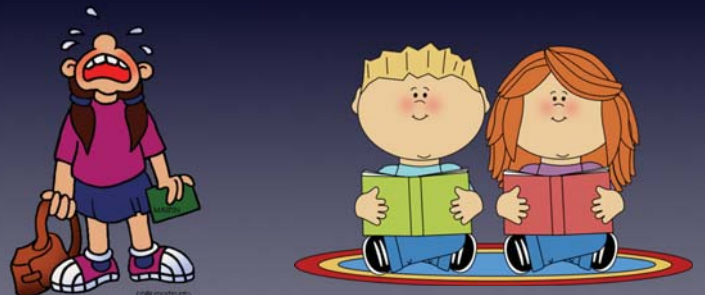
Download this and other workshops  
Online SPED resources

## The Nika Project

[www.nikaproject.org](http://www.nikaproject.org)



1 in 3 students struggle with traditional text



I am a very  
good reader  
except when I'm not

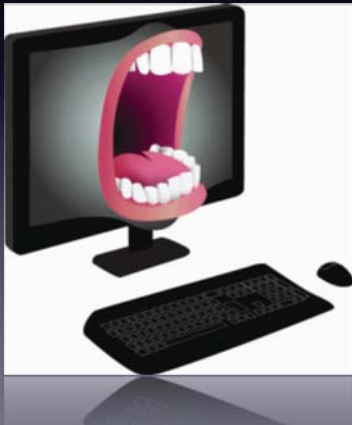
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## Textbooks - a thing of the past?

- Digital material is immediately accessible for students
- Includes audio, video support
- Reading challenges - vocabulary
- Future of digital textbooks - still evolving...



## Make it Talk



### Text to Speech

#1 way to address reading challenges:

ESL, Dyslexia, Developmental delays, tracking skills, reading fluency

In every operating system

Customize!



**Learning Ally**  
TOGETHER IT'S POSSIBLE

Audiobooks and VOICETEXT

Human voices

Students need to qualify

[www.learningally.org](http://www.learningally.org)



### Overdrive

Access library books

Now available for schools to access library - digital text



**Bookshare**  
A BENETECH INITIATIVE

Any text - including textbooks

Synthesized speech - computer

Students must qualify

[www.bookshare.org](http://www.bookshare.org)



## Voice Dream Reader

All text can be customized to reader's specifications

Access content from Bookshare, Evernote, Google Drive, Dropbox

Multiple voice selection



## Universal Accessibility in Chrome

[www.texthelp.com](http://www.texthelp.com) [www.donjohnston.com](http://www.donjohnston.com)

## Growing list of publishers in the ePub world

- iTunes, Google Books
- iBooks author
- iBooks can create ePub books that can be played on Chrome
- Stand alone publishers with content



## Create your own

- Often need to customize for specific needs, content
- NON CONTENT SPECIFIC apps or programs
- Multiple tools available depending on needs



Simple and easy

Can be saved as PDF, ePub, or movie file

Extensive teacher resources

Comic book feature - [StoryboardThat](http://StoryboardThat.com)



Quickly adapt content

Incorporate audio - video

Adapt to individual's language needs for students who need more customization

[www.attainmentcompany.com](http://www.attainmentcompany.com)

# Lifelique

A whole new world of curriculum

Incorporates 3D, AR and VR

Textbook correlation and Common Core



"Instead of taking notes, can I just purchase a transcript of today's lesson?"

purchase a transcript of today's lesson?

## Notetaking - Old School

- Teacher lectures
- Every student expected to take their own notes
- Paper and pencil
- Notebooks
- Turn in notes for grade
- Student responsible for learning based on their notes



## Reasons why students struggle with notetaking

- Can't handwrite or type at the speed needed
- Hard time listening and writing at the same time
- Different students focus on different things
- Notetaking is not just a motor skill!



## Today's Meet



- Collaborative
- Cloud Based
- Ability to organize
- Minimize copying!



EVERNOTE

## What is your "leave behind"?

- Many students need a review of information - watch it again - share with others
- Automatic filming - upload to server
- Online Bulletin boards





Teach it once

Save it for review

QuickTime



Screencastify



Explain Everything

ShowMe

**Swivl**



"Robot" that follows the teacher  
Records audio and video

Free unlimited video hosting

App is free to use



## Worksheets - Old School

- Getting classroom work/ curriculum from the "manila folder"
- Problem - have to use traditional methods to input text
- Only way to enlarge - photocopy
- No way to read text without adult assistance



## Modern Worksheets



- Mandate? "No material allowed in classrooms with out a **direct digital source**"
- PDFs - Kami, DocHub, Claro, Prizmo
- Take a picture with a mobile device
- Accessibility features: Snap and Read

# Kami

Google extension

Free version - paid for extra features

Teacher mode - sign up all of your students

Camera and audio notes

Text to Speech

Voice Text

OCR any photo



# Lifeliqe

Make worksheets come alive with  
3D imagery

# Teaching Materials - Old School

- Textbooks
- Videos - Movies
- Science Materials/  
Experiments
- Materials available IN  
THE CLASSROOM



# Modern Tools

- Virtual Reality
- 3D Tools - ZSpace
- Augmentative  
Reality
- STEM tools
- Robotics



Tech Resource Center Marin

Home Services About Resources Calendar Search

Consultations Open Labs Trainings

Welcome!

The Technology Resource Center of Marin is a program of the Marin County Office of Education. Since 2002, we have served special education students in Marin, and we have become an internationally acclaimed model for delivering the AT/AAC services our students need for living and learning. The TRC was created by Dedication to Special Education, a group of volunteer parents who raised the money and provided operating funds for our first five years. DSE continues to provide essential support, and we urge all parents to get involved!

**Our Mission**

Our mission is to inform, evaluate, provide, and maintain appropriate Assistive Technology and Augmentative Alternative Communication (ATAAC) tools, services, and opportunities for all students and their families in Marin County. We serve students with any type of disability throughout their educational experience.

Thank you!

[www.trcmarin.org](http://www.trcmarin.org)