



# *Demystifying the Apple iPad as Assistive Technology for Special Education*

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# Why iPads in Special Education?

- Ease of use
- Mobility
- Flexibility in Representation, Expression and Engagement
- Engagement and Motivation of 21<sup>st</sup> Century Learners
- Tools for whole class instruction and interaction
- “Cool factor” = No more AT stigma
- Built-in Universal Accessibility options
- Numerous Accessories
  - Stylus, Keyguards, Mounts, Cases
- 1.5 Billion iBooks: Textbooks are changing!
- 760,000+ apps / 40,000 Education apps:
  - Interactive Content for ALL subject areas, Productivity, Creativity, Collaboration, Special Education
- Potential to *Transform* Learning Experiences



# Explore Basic iPad and iPad Accessibility Features: GREAT new features in iOS7!

## Popular iOS Features:

- Close Apps
- Swipe Between Apps
- Lock orientation
- Restrictions – to restrict access/use
- Keyboard Split
- Reader
- Group Apps in Folders
- Print via Airplay enabled printer
- There is no USB port –
  - Accesses cloud storage and connect to Peripherals via bluetooth



## Settings -> Accessibility:

- VoiceOver
- Speak Text
- Highlight Spoken Text
- Guided Access (Lock student in an app)
- Dictation (iPad 3 and above)
- AssistiveTouch (for students who can't physically use gestures)
- And many others
- ***NEW: built-in switch access!!!!***

**Accessibility videos: Dr. Luis Perez**

**<http://www.youtube.com/user/lfperez72>**



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**There is an App for that!**

- [illegible]

# My favorite app:





# Apple's Special Education app resources:



<http://www.apple.com/education/ipad/apps-books-and-more/>

# There is an App for that! – Education Resources

## 10 Top Sites

### Education:

- <http://www.classthink.com/category/apple/ipad/>
- <http://setsig.iste.wikispaces.net/SETSIG+UDL+Playground+%2713>
- [www.appolicious.com](http://www.appolicious.com)
- [60 apps in 60 minutes](http://60appsin60minutes.com)
- <http://ipads4kids.com/>
- <http://www.ipadsforeducation.vic.edu.au/education-apps>
- [www.appsineducation.blogspot.com](http://www.appsineducation.blogspot.com)
- <http://www.appitic.com/>
- <http://www.diigo.com/bookmark/http%3A%2F%2Fedtechteacher.org%2Findex.php%2Fteaching-technology%2Fmobile-technology-apps%2Fipad-as?tab=people&uname=mobilelearning>
- <http://sigml.iste.wikispaces.net/Main>



# There is an App for that! – Special Education Resources

## 10 Top Sites

### Special Education:

- <http://spedapps2.wikispaces.com/home>
- <http://www.spectronicsinoz.com/apps-for-special-education>
- <http://apps4stages.wikispaces.com/> (Framework)
- [http://www.ipodsibilities.com/iPodsibilities/SpEd\\_Apps.html](http://www.ipodsibilities.com/iPodsibilities/SpEd_Apps.html)
- <http://edudemic.com/2012/02/special-ed-apps/>
- [www.a4cwsn.com](http://www.a4cwsn.com)
- <http://www.schrockguide.net/app-for-that.html>
- [www.otswithapps.com](http://www.otswithapps.com)
- <http://www.scribd.com/doc/24470331/iPhone-iPad-and-iPod-touch-Apps-for-Special-Education>
- <http://ipadforlearners.wikispaces.com/APPS>





# BUT – It is not about the “tool” ...

What is the Curriculum Connection? Student Need? GOAL?

- Joy Zabala’s SETT Framework: <http://www.joyzabala.com/>
  - Student
  - Environment
  - Task
  - Tool (comes LAST)
- App Rubrics
  - [Kathy Schrock & Harry Walker](#)
  - [Jeanette VanHouten’s Special Education App Rubric](#)
  - [Vincent Education App Checklist](#)
  - [Globally Connected Learning’s iPad app Evaluation for the Classroom](#)

## SETT

# Deploying Apps & iDevices: Resources

## Apple Resources:

- <http://www.apple.com/education/special-education/>
- <http://www.apple.com/education/apps/>
- <http://www.apple.com/education/volume-purchase-program/>

## Basic Licensing Info:

- For Personal use:
  - Purchase ONCE and can install on all of your devices
- For Educational use:
  - You need to buy one license of an App for each iOS device if that device is used by multiple users or one license of an App per user if that user is using multiple iOS devices.
  - Volume Purchasing Program is available –Quantity 20+ discounts
  - Apple Configurator or other MDM software to manage/deploy apps
- For all: You can have up to 5 iTunes Accounts on a device



# Switch Accessible Apps

For an App to be Switch Accessible:

1. App Developer Built-In Switch Access  
OR

2. App Developer Built-in **VoiceOver** Support (current trend)



Resources:

[Jane Farrall & Alex Dunn Switch Accessible App List](#)

[www.ablenetinc.com](http://www.ablenetinc.com) Switches

For Voiceover Accessible apps: [www.applevis.com](http://www.applevis.com)



Over 50+ Switch Accessible apps now!

***NEW: iOS7 is a Game changer!!!***



# Accessories to support accessibility:

- Styluses
- Mounts
- Keyguards
- Cases
- Bluetooth Keyboards



## Resources:

- <http://pinterest.com/lfperez411/special-needs-accessories/>
- <http://m.pinterest.com/lasenders>
- <http://astore.amazon.com/otswiap-20>
- [www.rjcooper.com](http://www.rjcooper.com)
- [www.ablenetinc.com](http://www.ablenetinc.com)
- [www.laseredpics.biz](http://www.laseredpics.biz)
- <http://beyondadaptive.com/keyguards/>



# Switch Access to iPads

For a switch to be used with an iPad, you need:

- Switch
- Switch Interface
  - Bluetooth
  - iPad port
- Switch Accessible Software (Built-in or using Voiceover)
- NEW with iOS7: BUILT-IN switch accessibility
  - Screentap – Head tilt – External switches
  - <http://www.ablenetinc.com/Assistive-Technology/iPad-iPhone-and-iPod-Accessories-Apps/iOS7>



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# Using iPad as alternative computer access tool

- Panther Technologies
  - Panther Connect \$59.00 from iTunes Store

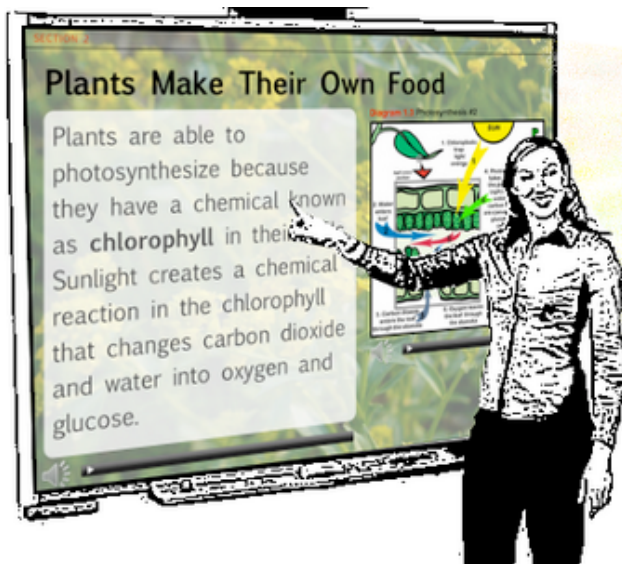


- Attainment
  - Attainment Switch App \$4.99 from iTunes Store



# Using iPad for Whole Class Instruction?

- Want to project your iPad apps in class?
  - \$30 Apple 30-pin to VGA Adapter



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# View Apps on your computer?

- Reflection/Reflector App
  - \$15 [www.reflectionapp.com](http://www.reflectionapp.com)
- Airserver
  - \$15 [www.airserver.com](http://www.airserver.com)
- Great for Presenting Webinars! ;-)



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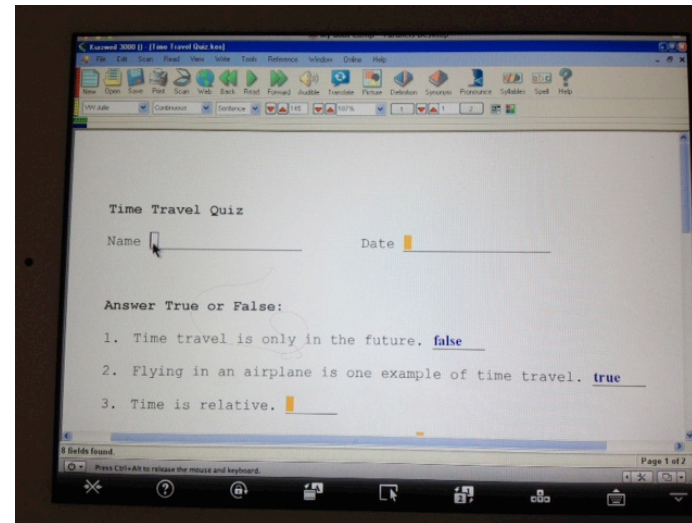
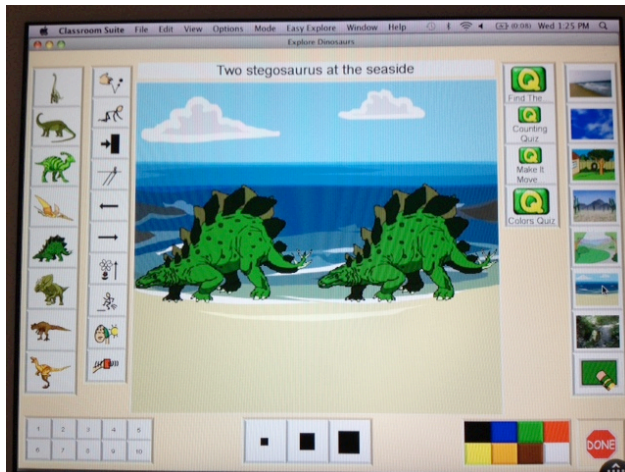


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# View and run computer Programs from iPad?

- Splashtop Remote Desktop App

- <http://www.splashtop.com/splashtop2>
- \$6.99 from App Store
- Control your computer and computer programs remotely from your iPad!
- Student could access Kurzweil 3000, Classroom Suite or other Program installed on desktop computer and run it remotely via iPad at desk



# Stay connected:





# Resources for ongoing Learning:

## People and Companies to follow for iPads in

Special Education/Assistive Technology:

- [www.ablenetinc.com](http://www.ablenetinc.com)
- [www.assistiveware.com](http://www.assistiveware.com)
- [www.inclusivetlc.com](http://www.inclusivetlc.com)
- [www.pretorianuk.com](http://www.pretorianuk.com)
- [www.rjcooper.com](http://www.rjcooper.com)
- [www.prentrom.com](http://www.prentrom.com)
- [www.cricksoft.com](http://www.cricksoft.com)
- Mark Coppin <http://assistivetech.ning.com/profile/MarkCoppin>
- Alex Dunn <http://smartinclusion.wikispaces.com/Smart+Inclusion+Home>
- Jane Farrall [www.janefarrall.com](http://www.janefarrall.com)
- Luis Perez <http://mobilelearning4specialneeds.wikispaces.com/home>  
<http://www.youtube.com/user/lfperez72>
- Madalaine Pugliese [www.apps4stages.wikispaces.com](http://www.apps4stages.wikispaces.com)
- Eric Sillers: <http://ericsillers.com/>
- Kathy Schrock [www.schrockguide.net](http://www.schrockguide.net)  
<http://www.schrockguide.net/ipads-in-the-classroom.html>  
<http://www.schrockguide.net/app-for-that.html>
- Clint Stephens <http://prezi.com/swceiv2g3bbt/60-educational-apps-in-60-minutes/>
- Jeanette VanHouten <http://jvanhouten.blogspot.com/>
- Megan Wilson [www.ipodsibilities.com](http://www.ipodsibilities.com)
- And MORE!



# Cool idea for using iPads to differentiate Instruction: QR Codes



Qrafter



- A QR (Quick Response) code is graphic image which can be read quickly by a mobile device through its camera. The QR Reader app then takes the user directly to a website, video, text message, phone number or other information
- Resources & Videos:
  - <http://www.schrockguide.net/qr-codes-in-the-classroom.html>
  - Black and White and Scanned All Over  
<http://www.youtube.com/watch?v=ayW032sKtj8&feature=youtu.be>
  - <http://www.lexrich5.org/webpages/kogen/files/qr%20codes%20in%20the%20classroom.swf>

## Link to Handouts:

<http://edmodo.com/folder/759841>



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*Thank you!*



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