IPADS FOR ASSISTIVE TECHNOLOGY

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GOALS:

- Define Assistive Technology
- Review iPad success
- Discuss iPads in school
- Overview of some simple AT apps, resources

WHAT IS ASSISTIVE TECHNOLOGY?

- Assistive Technology for Learning (ATL) includes the devices, media and services used in learning environments to overcome barriers for students with physical, sensory, cognitive, speech, learning or behavioral special needs to actively engage in learning and to achieve their individual learning goals (Alberta Education)
- http://en.wikipedia.org/wiki/Assistive_technology

Universal Design for Learning

MULTIPLE MEANS OF REPRESENTATION

PROVIDING DIFFERENT WAYS TO ACQUIRE INFORMATION

MULTIPLE MEANS OF EXPRESSION

PROVIDING DIFFERENT WAYS TO EXPRESS LEARNING

MULTIPLE MEANS OF ENGAGEMENT

PROVIDING LEARNING OPPORTUNITIES THAT INCORPORATE INDIVIDUAL INTERESTS, INCLUDE APPROPRIATE CHALLENGES, AND INCREASE MOTIVATION

Based on research by Center for Applied Special Technology (CAST) www.cast.org

STUDENT

ENVIRONMENT

TASK

TECHNOLOGY/TOOL

WHO NEEDS AN IPAD ANYWAY?

RJ Cooper

AT IN ALBERTA

- Alberta Special Needs Student Statistics
- Alberta Education ATL
- CBE AT Toolkit

- 145 000 youtube hits in January, 611 000 in August, 1.8 M today
- Just under 2 billion search results on google
- Just under 10 billion image hits on google
- New iPad sells 3 million in 3 days
- iPad commercial

- Top 5 tablets to buy?
- Cases? – 315 M hits
- Stylus?

HOW DO I KNOW WHETHER TO BUY A $190 APP… OR NOT?

How I am using it…

- Speech Delays, Signing Apps - Augmented Alternative Communication
- Dealing with anxiety
- Build up ability to work in and out of class more independently
- Physical access
- Text to speech to text
- Routines, schedules, organizational skills
- Motivational tool

Benefits…

- User friendly
- Kid friendly, easy to operate
- Used on iPod or iPad
- More inclusive, feels like everyone else
- Helps student to communicate when otherwise impossible
- ENGAGING

Accessibility

APP REVIEW

iTunes

Jane Farrell Blog

I CAN center for Assistive Technology

http://itunes.apple.com/WebObjects/MZStore.woa/wa/viewMultiRoom?fcId=399470755&mt=8

$9.99 Buy App

Category: Business
Updated: Apr 02, 2012
Version: 1.1.5

Prizmo

Description

Are you interested in going paperless? Do you want to save time when scanning documents on the road? Then, Prizmo is the ideal tool for you!

Prizmo lets you scan and recognize text documents, business cards, bills, and whiteboards, then share the results across your computers and with other...

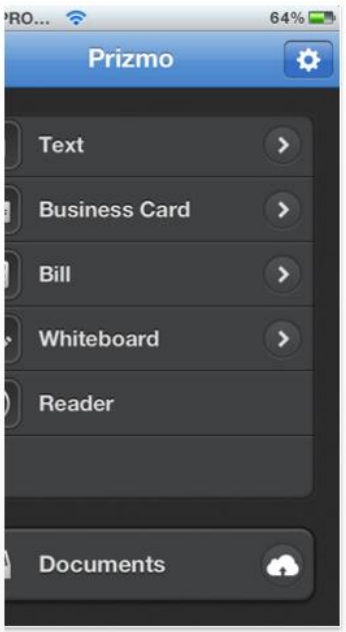
...More

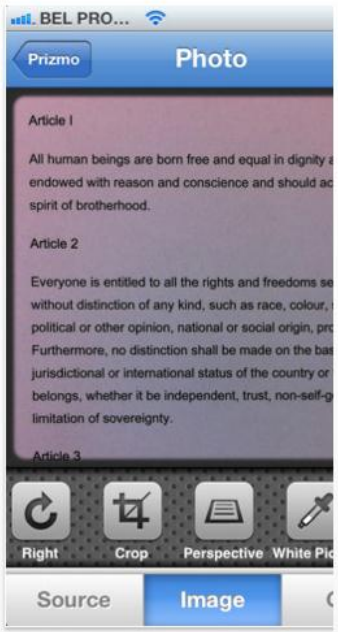
Creaceed Web Site › Prizmo Support ›

What's New in Version 1.1.5

• Danish localization added

iPhone Screenshots





Free App

Category: Productivity
Released: Nov 18, 2011
Version: 1.0
Size: 1.9 MB

Mobile OCR for iPad Free

Description

Turn your smartphone into a document scanner with character recognition (OCR). Mobile OCR will convert your scanned documents from your camera or photo album into a regular text.
This app is simple & reliable : 100% satisfied or refunded. ...

...More

Mobile OCR for iPad Free Support ›

iPad Screenshots

Customer Ratings

Average rating for the current version: 6 Ratings

★★★★★	1
★★★★	2
★★★	0
★★	0
★	3

Free App

This app is designed for both iPhone and iPad

Category: Reference
Updated: Mar 13, 2012
Version: 1.3.1

Google Translate

Description

Translate words and phrases between more than 60 languages using Google Translate for iOS. For most languages, you can speak your phrases and hear the corresponding translations.
...

...More

Google Web Site › Google Translate Support ›

What's New in Version 1.3.1

Esperanto translation
Tap to copy translation
Added Thai and Slovak text to speech...

...More

Customer Ratings

Average rating for the current version: 56 Ratings

★★★★★	35
★★★★	7
★★★	4
★★	4
★	6

Average rating for all versions: 1775 Ratings

$2.99 Buy App

This app is designed for both iPhone and iPad

Category: Utilities
Updated: Apr 30, 2012
Version: 2.2.4

Puffin Web Browser

Description

Puffin Web Browser is the premium version in the Puffin web browser family.
...

CloudMosa, Inc. Web Site › Puffin Web Browser Support ›

What's New in Version 2.2.4

- Fix flash audio problem (no sound) on iPad 3 and iPhone 4S
- Improve typing response time
- misc bug fixes

Free App

This app is designed for both iPhone and iPad

Category: Education
Updated: Feb 03, 2012
Version: 3.1.2

myHomework

Description

Teachers not letting you use your phone in class? Parents on you for missing assignments? Show them you're organized with myHomework.

With myHomework you can easily know what's due and when so you will never forget a homework assignment again. ...

Rodrigo Neri Web Site › myHomework Support ›

What's New in Version 3.1.2

★ Updated the calendar to have a month, week and day view.

✔ Fixed iPad crashing issue with block schedule setting....

Customer Ratings

Average rating for the current version: 4.5 stars 12 Ratings

★★★★★	8
★★★★	2
★★★	1
★★	0
★	1

Average rating for all versions: 3 stars 5239 Ratings

ScreenChomp

Description

Share a great idea... Explain a tricky concept... Help kids with their homework...
...

TechSmith Corporation Web Site › ScreenChomp Support › Application License Agreement ›

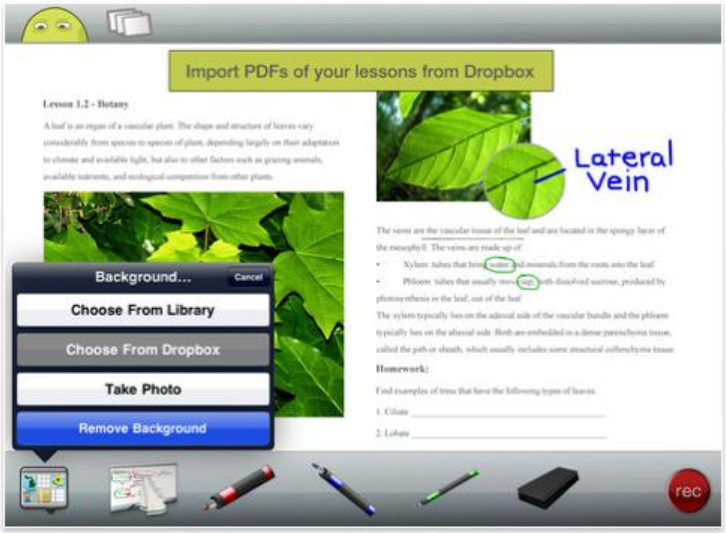
Download

Category: Education
Updated: Mar 09, 2012
Version: 1.3

What's New in Version 1.3

Import a PDF from Dropbox
Some bug fixes

iPad Screenshots



Customer Ratings

We have not received enough ratings to display an average for the current version of this application.

Average rating for all versions: 15 Ratings

★★★★★ 10
★★★★ 5
★★★ 0

Rate this application:

Over 40 Magnifier and Flashlight

Description

Flashlight and Magnifier in One App PLUS Mirror Mode
★★★★★ Featured in iTunes throughout the world! ★★★★★
✦ Easily see menus and receipts in dark restaurants...

TLA Investments LLC Web Site › Over 40 Magnifier and Flashlight Support ›

$0.99 Buy App

Category: Utilities
Updated: Mar 21, 2012
Version: 1.8

What's New in Version 1.8

Bug fixes to make your life easier - which we all need when we're Over 40!

iPhone Screenshots

Customer Ratings

We have not received enough ratings to display an average for the current version of this application.
Average rating for all versions: ★★★★☆ 24 Ratings

★★★★★ 13
★★★★ 4
★★★ 3
★★ 0
★ 4

Rate this application: ★★★★★

iTouchiLearn Life Skills: Morning Routines for Preschool Kids Free

Update

This app is designed for both iPhone and iPad

Category: Education
Updated: Mar 26, 2012
Version: 2.8

Description

★Stimulates Early Language Development★
★Featured on TV News Report: Using iPads to Teach Kids Life Skills★...

Staytoooned Web Site › iTouchiLearn Life Skills: Morning Routines for Preschool Kids Free Support ›

What's New in Version 2.8

v2.8
★Optimized and compatible with the new iPad third generation!
v2.7...

Screenshots

iPhone | iPad

Dragon Dictation

Description

Dragon Dictation is an easy-to-use voice recognition application powered by Dragon® NaturallySpeaking® that allows you to easily speak and instantly see your text or email messages. In fact, it's up to five (5) times faster than typing on the keyboard.

...

...More

Nuance Communications Web Site › Dragon Dictation Support ›

Free App

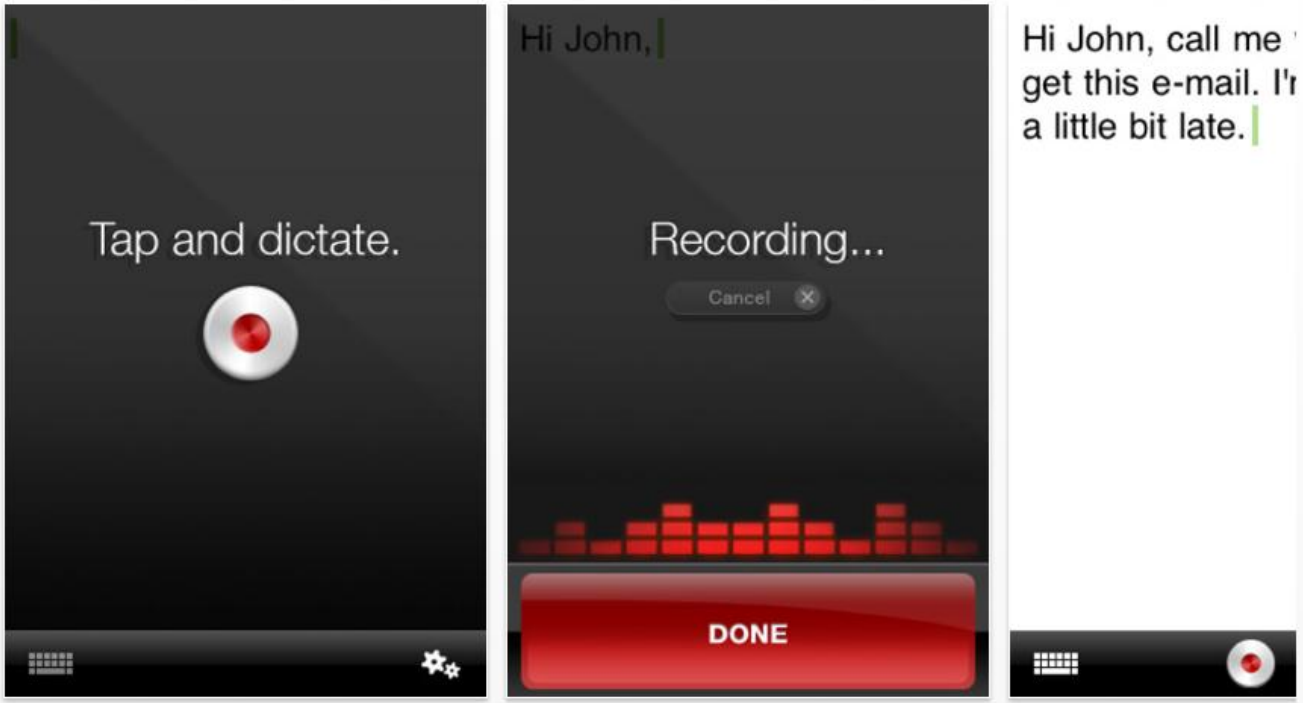
This app is designed for both iPhone and iPad

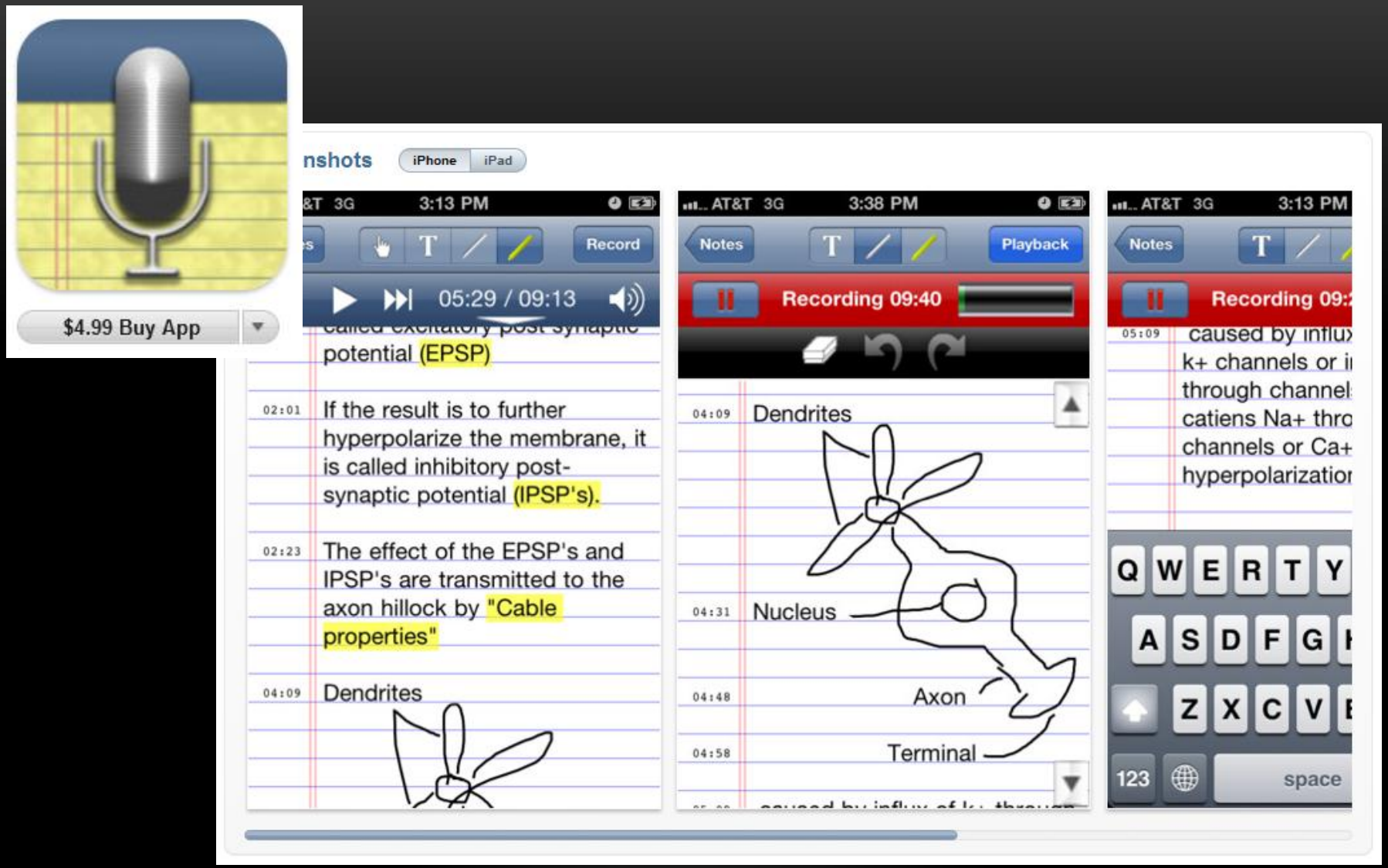
What's New in Version 2.0.22

Localization updates.

Screenshots

iPhone | iPad




$4.99 Buy App
nshots
iPhone
iPad
3:13 PM
Record
05:29 / 09:13
potential (EPSP)
02:01 If the result is to further hyperpolarize the membrane, it is called inhibitory post-synaptic potential (IPSP's).
02:23 The effect of the EPSP's and IPSP's are transmitted to the axon hillock by "Cable properties"
04:09 Dendrites
AT&T 3G
3:38 PM
Notes
Playback
Recording 09:40
04:09 Dendrites
04:31 Nucleus
04:48 Axon
04:58 Terminal
AT&T 3G
3:13 PM
Notes
Recording 09:
05:09
caused by influ
k+ channels or i
through channel
catiens Na+ thro
channels or Ca+
hyperpolarizatio
Q W E R T Y
A S D F G
Z X C V
123
space

Autism Express – share feelings

Pic a word – simple communication w/pics

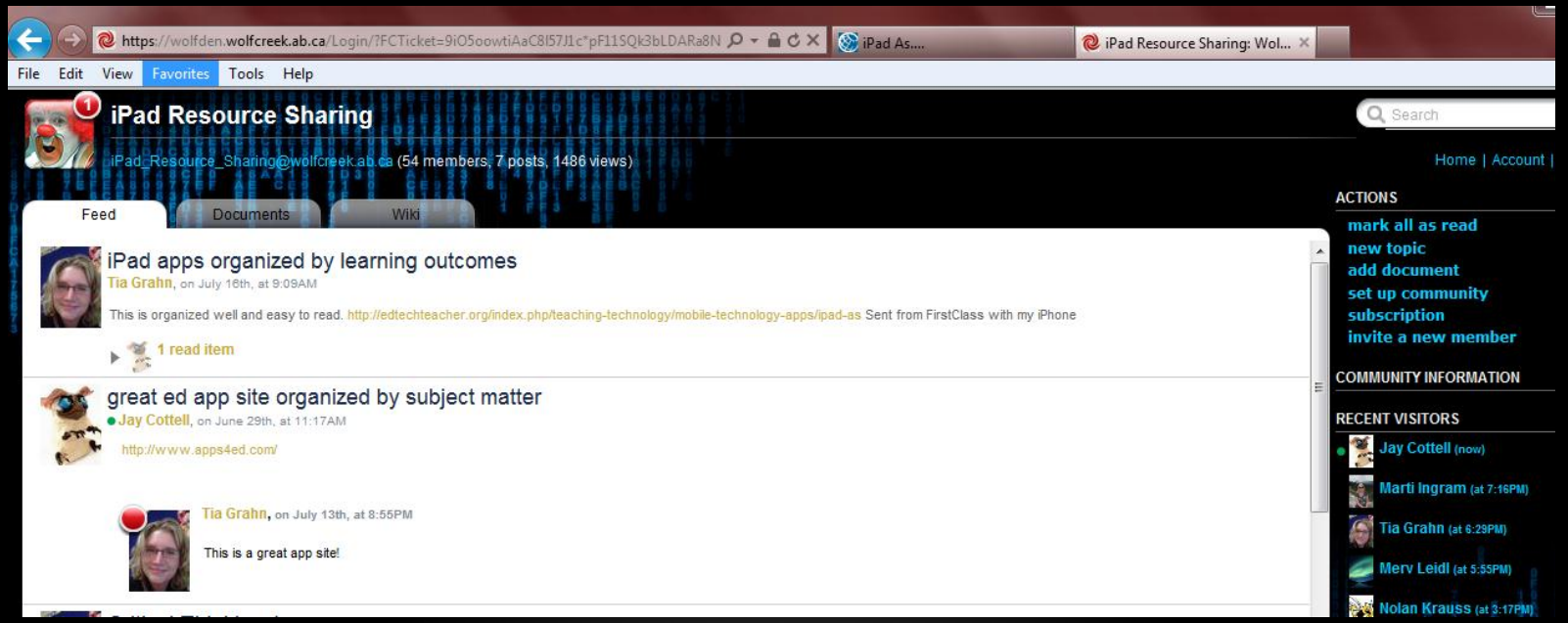
Going Places – social skills modeling

ArtikPix – speech delay support

wordQ

RESOURCES

- http://www.wolfcreek.ab.ca/iPad%20Resources.php



WHERE DO IPADS FIT WITHIN EFFECTIVE INSTRUCTIONAL PRACTICE?

Clearly Identified
Outcomes/Individual Learning Goals

Pre-Assessment

Tracking and Communicating Achievement of Outcomes/Individual Goals

Utilization of Rubrics and Exemplars

Introduction of New Knowledge

Experiencing and Developing the New Knowledge

Deepening Understanding of the New Knowledge

Summative Assessment

Additional Supports and Pyramids of Intervention

Formative Assessment

Pre-Planning; Utilizing a "Backwards Design" Framework

Culture and Expectations

Clearly Identified Outcomes /Individual Learning Goals

iPads address different learning modalities and allow students to access various adapted versions of outcomes and learning goals.

Experiencing and Developing the New Knowledge

Deepening Understanding of the New Knowledge

Additional Supports and Pyramids of Intervention & Pre- Assessment

Everything AT… AAC, OT, speech, DHH, signing, text to speech, voice recorder, visual output

Culture and Expectations

School Example: Back channel for text communication during presentations, debates and class conversations.

LINK TO DOWNLOAD PDF…

http://www.wolfcreek.ab.ca/documents/general/iPads%20and%20Assistive%20Technology.pdf