



Tablets, a Prescription for Learning?

Evaluating Apps for Early Learning

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Bridger, Age 2 years



Kindergarten, Day Two





Same
AND
Different



The App Store...



Like a box of chocolate

The App Store...



A **HUGE** box of chocolate

What are the numbers?

From 2009 to 2011 apps for toddlers -
elementary school grew

from 47% to **72%**

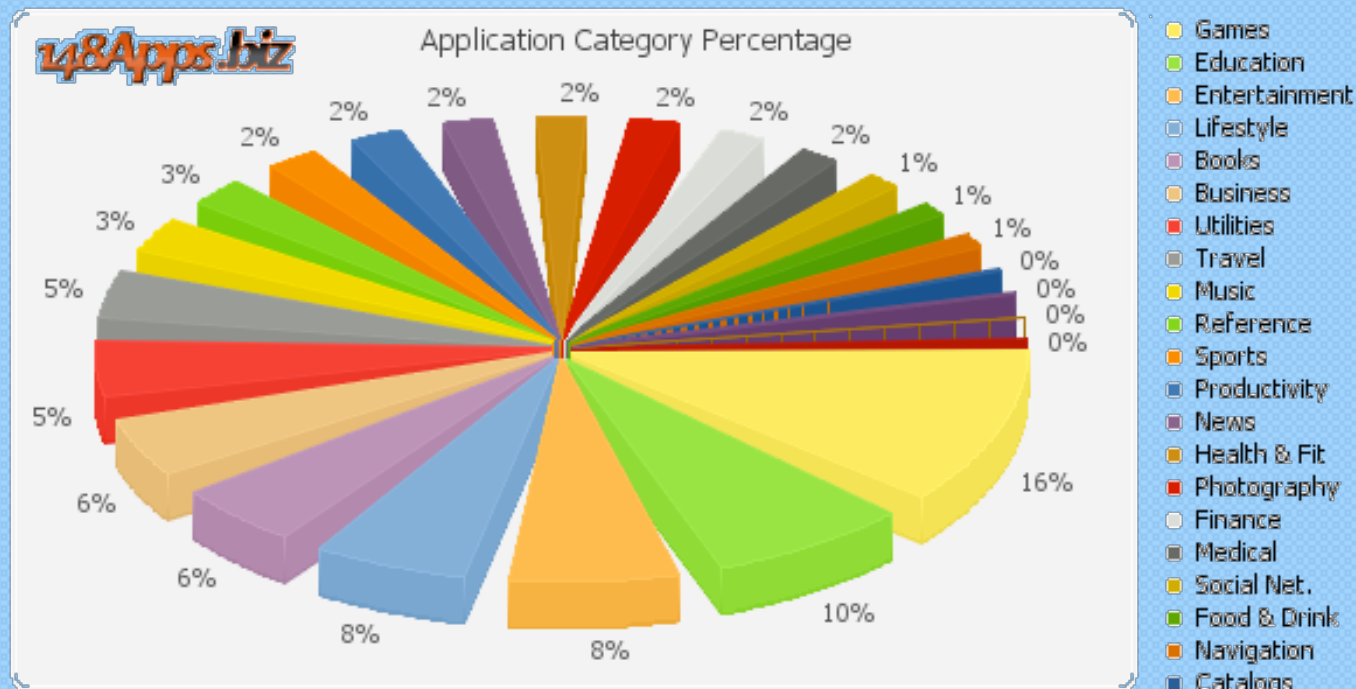
of the education collection in the
iTunes Store*.

(as reported in iLearnII, January 2012)

SOME STATS...

<http://148apps.biz/app-store-metrics/>


- Apps available for download: 834,179
- Education Category: 89,501 (active)
- Average App price: \$1.55





Free

Offers In-App Purchases

 This app is designed for both iPhone and iPad


★★★★☆ (14,792)

Rated 4+

TOP IN-APP PURCHASES

- | | |
|----------------------|--------|
| 1. Extra Moves | \$0.99 |
| 2. Extra Lives | \$0.99 |
| 3. Color Bomb | \$0.99 |
| 4. Lollipop Hammer | \$1.99 |
| 5. Striped & Wrapped | \$1.99 |

TOP GROSSING >

-  **Candy Crush Saga**®
Games
- Clash of Clans**
Games
- MLB.com At Bat**
Sports
- Pandora Radio**
Music
- Megapolis**
Games
- Hay Day**
Games
- Minecraft – Pocket Edition**
Games
- Kingdoms of Camelot: Battle for...**
Games
- MARVEL War of Heroes**
Games
- DragonVale**
Games

Free? Really?

IPAD - UNITED STATES - OVERALL

Date

April 02, 2013 9:00pm UTC-8 United States PST

* Free Apps Highlighted Blue

Apr 2, 2013 ▾

In-App Purchases \$

▸ All Apps

In-App Purchases

No In-App Purchases

Countries

Australia

Canada

China

France

Germany

Italy

Japan

Netherlands

Russia

Singapore

South Korea

Spain

Sweden

Switzerland

United Kingdom

United States

Paid

Free

Grossing

| | | | | | | |
|----|--|----|---|------|---|----|
| 1 | Temple Run: Oz Disney | = | Sonic Dash SEGA | = | Clash of Clans Supercell | = |
| 2 | Minecraft – Pocket Edition Mojang | = | Candy Crush Saga ® King.com Limited | = | Candy Crush Saga ® King.com Limited | = |
| 3 | Wreck-it Ralph Disney | = | Princess Makeover Ninjabish Studios | = | MLB.com At Bat MLB.com | = |
| 4 | What's the Phrase Zynga Inc. | = | Frontline Commando: D-Day Glu Games Inc. | = | Hay Day Supercell | ▲1 |
| 5 | Plants vs. Zombies HD PopCap | = | CBS CBS Interactive | = | TurboTax 2012 Intuit Inc. | ▲1 |
| 6 | Magicka Paradox Interactive | = | HISTORY A&E Television Networks Mobile | = | Modern War Funzio, Inc | ▼2 |
| 7 | Pages Apple | ▲5 | Mahjong Elements HD FDG Entertainment | ▲297 | DoubleDown Casino - Slots Double Down Interactive | ▲2 |
| 8 | Tiny Troopers 2: Special Ops Chillingo Ltd | ▼1 | YouTube Google, Inc. | ▼1 | Bingo Bash HD BitRhymes Inc. | = |
| 9 | Angry Birds Star Wars HD Rovio Entertainment Ltd | ▼1 | Phoster Bucket Labs | = | Big Fish Casino – Free Slots... Big Fish Games, Inc | ▲2 |
| 10 | Toca Hair Salon 2 Toca Boca AB | ▼1 | Mini Golf MatchUp Scopely - Top Free Apps and ... | = | Slotomania HD - Slot Machi... Playtika LTD | = |

How do YOU choose?

- ✓ Ask a colleague
- ✓ Use a recommendation
- ✓ Search the App Store
- ✓ Read Reviews (App Store)
- ✓ Examine Screenshots (App Store)
- ✓ Get a “lite” version
- ✓ Get full version
- ✓ Play it yourself (make mistakes)

Apps and Application of Apps

Educational researchers and practitioners alike assert that the potential of new technologies for learning is likely to be found not in the technologies themselves but in the way in which these technologies are used as tools for learning (Means & Olson, 1995; Owston, 1997; Valdez et al., 1999).

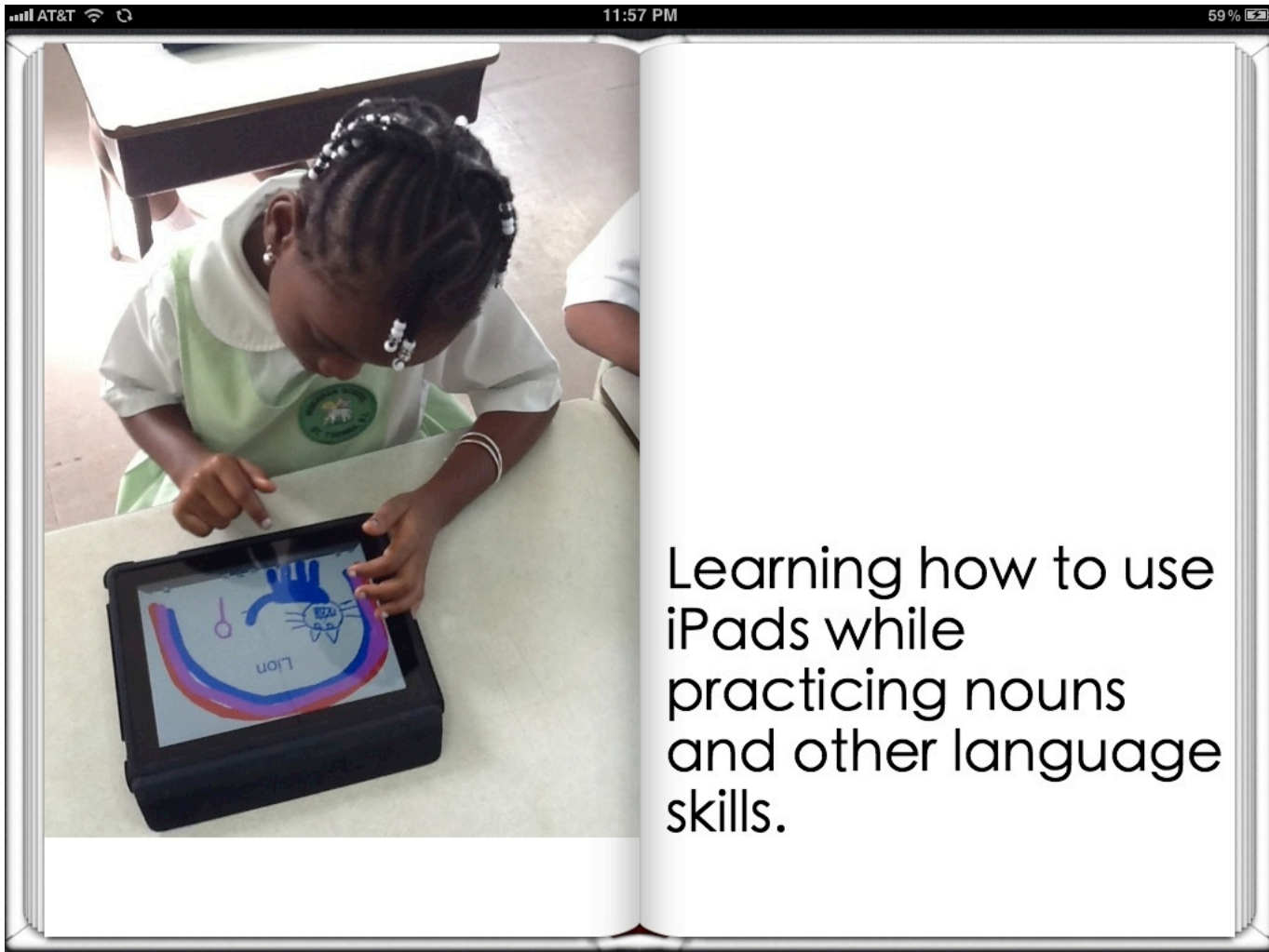
From NCREL: <http://www.ncrel.org/sdrs/areas/issues/content/cntareas/reading/li300.htm>

Educational Criteria

- Teach or practice curriculum or skills of value
- Create evidence of knowledge or skills
- Produce materials to learn with or from
- More than CUTE, ENGAGING, FUN.



Book Creator



Learning how to use iPads while practicing nouns and other language skills.

*“Don’t bring in an elephant
to teach the color gray.”*

- Madeleine Hunter

Educational Criteria

- Ability to play well with other files and apps
- Appropriate learning curve
- Useability

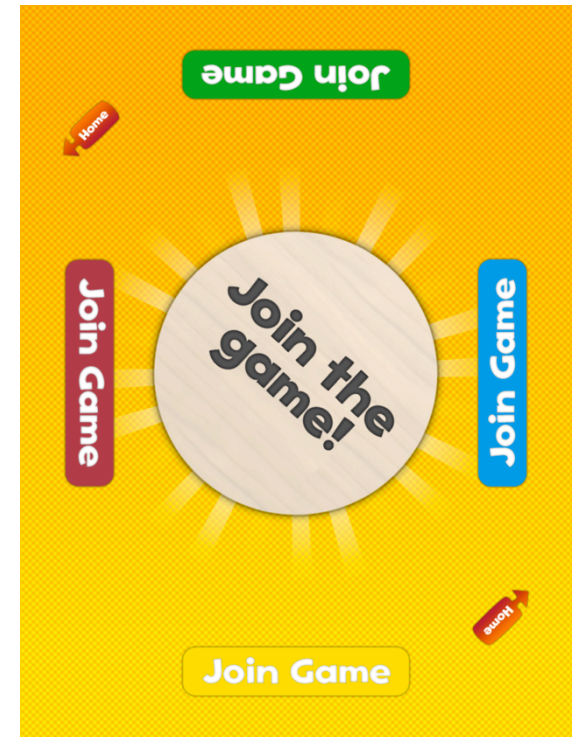
Let's Look at Some!



Format matters

- Does the app consider multiple users?

Jellybean Count and *Futaba* are examples of this...



Approach Matters

- Does the app target the users appropriately?

Toontastic is a wonderful example of this...



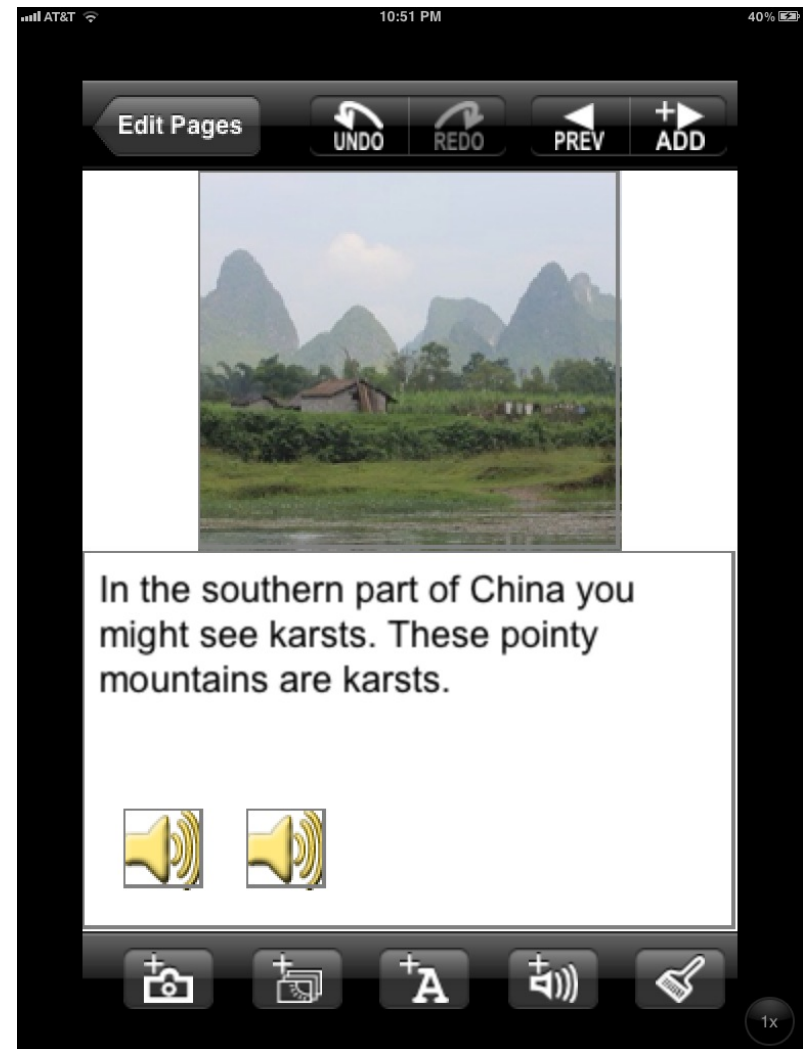
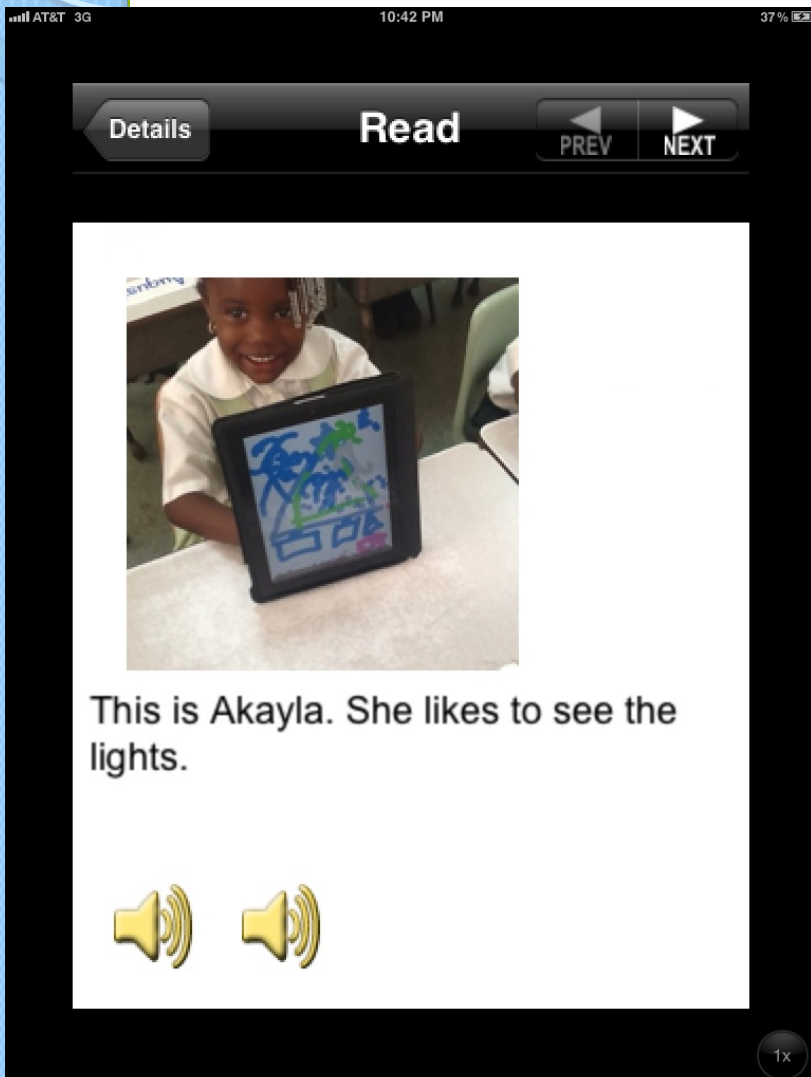
A few “technical” things to look for...



APP SELECTION



File Management Matters



Technical Criteria

- Ability to get files off device
- [Screenchomp](#) (free)
 - Output to link on their site (with ads)
 - On the iPad on which it was made
- [Explain Everything](#) (\$2.99)
 - Output to: Email, Dropbox, Evernote, Box, YouTube...

You HAVE to be Careful...

- There is a reason 30% of apps are opened only once.



Reading Level MisMatch

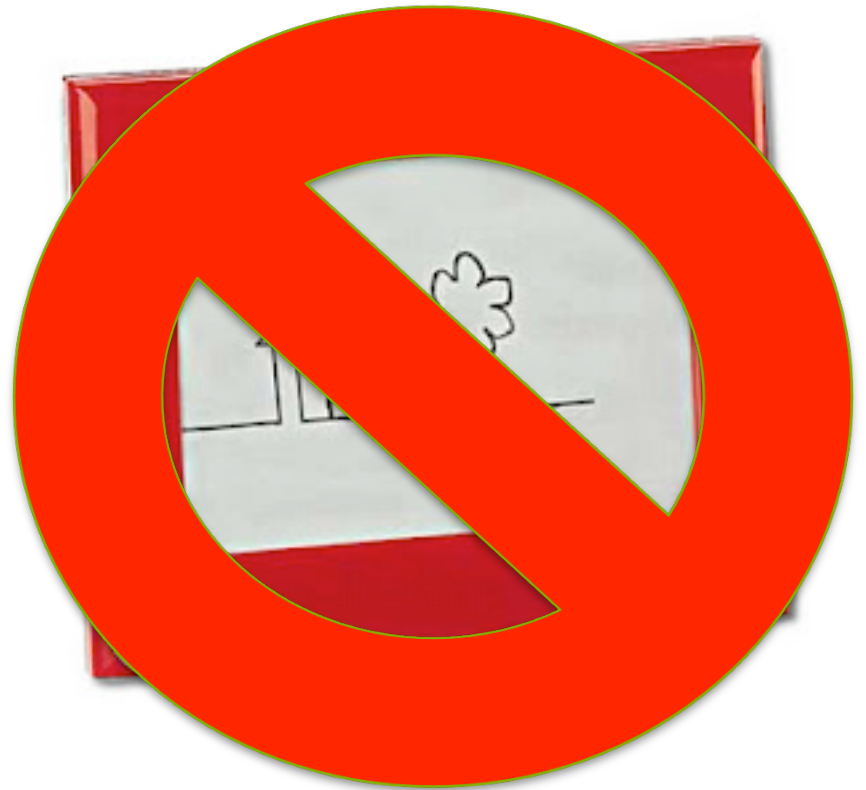


Confusing...?



Photoshake... really?

- <http://itunes.apple.com/us/app/photoshake!/id389104355?mt=8>



“What’s your favorite app?”

Just one?

Explain Everything...

\$2.99



Lets Look...



Books



The Strange and Wonderful World of Ants
Nonfiction book with adjustable levels
(\$1.99)



Collins Big Cat Books
Great children's books with
creative tool built in (free)



Book Creator
My current favorite book making tool.
(\$4.99)

Multi-User Apps



JellybeanCount

Multitouch – single or shared work counting (free)



Futaba Classroom Games for Kids

A reading game – customizable - upgrade to paid version (\$4.99)



Endless ABC

Multitouch alphabet book of interesting words (free)

Maths



Math Doodles

Amazing math practice in game
format (\$2.99)



Bugs and... Buttons, Bubbles or Numbers

All sorts of math (and yucky bugs)
(\$2.99 ea)



TanZen HD

Tangrams (lite version is free)

Rich Resources



Fotopedia HERITAGE

An amazing collection of images and information of World Heritage Sites (free)



Fotopedia CHINA, WILD FRIENDS

More amazing images... (free)



TourWrist

Surround yourself with images of places worldwide (free)

Arts



ArtSet

A full collection of art tools yet easy to use. (\$.99)



SoundBrush

Paint with “sound” (\$1.99)



PlayArt

use elements of famous works of art to make new art (\$3.99)

Creative “Story Telling” Tools



Book Creator

My current favorite book making tool.
(\$4.99)



Little Bird Tales

Simple book making tool (also
web) (\$2.99)



Sock Puppets

sock puppets – yep. (free, but you
may want to upgrade)

More Tools



Fotobabble

Add sound to images (free) web also



FeltBoard

Like an old fashioned felt board... plus! (\$2.99)



TableTots

build interactive activities for students (\$1.99) also Android

File Management Examples



DropBox

My favorite file management and sharing tool (free) all platforms



Zapper Scanner

The best QR code reader and creator so far! (free) also Android



Chirp

Share links with others via sound (free) also Android

SO not everything is free...

IF you bought **everything** I planned to mention
you would spend less about \$40....

Priorities? In MY order...

1. Explain Everything - \$3
2. Book Creator – \$5
3. Futaba - \$5



More Resources



Just in case I didn't float your boat...

Apps by Blooms Taxonomy

- <http://www.edutopia.org/ipad-apps-elementary-blooms-taxonomy-diane-darrow>

K-5 iPad Apps According to Bloom's Taxonomy

An elementary library media specialist reviews iPad apps as they map to an updated version of Bloom's Taxonomy.

BY EDUTOPIA STAFF

In this six-part series, I will highlight apps useful for developing higher order thinking skills in grades K-5 classrooms. Each list will highlight a few apps that connect to the various stages on Bloom's continuum of learning. Given the size and current exponential growth of the app market, I will also assist educators in setting criteria necessary to identify apps that maintain the integrity of teaching for thinking.

See the entire series below

Part One: [K-5 iPad Apps for Remembering](#)

Part Two: [K-5 iPad Apps for Understanding](#)

Part Three: [K-5 iPad Apps for Applying](#)

Part Four: [K-5 iPad Apps for Analyzing](#)

Part Five: [K-5 iPad Apps for Evaluating Evaluation](#)

Part Six: [K-5 iPad Apps to Evaluate Creating](#)



Diane Darrow is an artist, Reading Recovery teacher, and library media specialist at Bel Aire Elementary in Tiburon, CA. You can follow her on Twitter at [@dianedarrow](#).

Apps by Bloom's Taxonomy

- <http://www.schrockguide.net/bloomin-apps.html>



Bloom's Revised Taxonomy
The interlocking of cognitive processes

As one encounters new content, the ability to move among the cognitive levels as needed is important to the acquisition of knowledge. The creating process involves aspects of all of the levels.

Apps by Student Action

- <http://edtechteacher.org/index.php/teaching-technology/mobile-technology-apps/ipad-as>

iPad Learning Objectives

1. I want my students to record and edit video on the iPad.
2. I want my students to record and / or edit audio on the iPad.
3. I want my students to read class content on the iPad.
4. I want my students to annotate course readings on the iPad
5. I want my students to be able to use audio books on the iPad.
6. I want my students to use the iPad as a digital notebook / note-taking device.
7. I want my students to use their iPads to create screencasts to share and demonstrate their understanding.
8. I want my students to create presentations on the iPad.
9. I want my students to create digital stories on the iPad.
10. I want my students to be able to study with the iPad.
11. I want to use the iPad as a student response system.
12. I want my students to create written content on the iPad.
13. I want my students to blog on the iPad.
14. I want my students to create ePubs / iBooks to read on the iPad.
15. I want my students to create and edit images on the iPad.
16. I want to use the iPad in order to create a language lab environment for my students.
17. I want my students to use the iPad to stay organized. 📅 (NEW)
18. I want to use the iPad to conduct video / virtual conferences in the classroom 📺 (NEW)
19. I want to control my computer or Interactive White Board from my iPad. 🖱️ (NEW)

App Selection

- Places to hear from others
- <http://www.tcea.org/ipad>
- <http://www.tcea.org/documents/PD/TCEA%20App%20Evaluation%20Rubric.pdf>

TCEA - iPad Apps

| TCEA - iPad Apps | | | | | | | |
|---|---|---|--|--|-------------------------------|--|--|
| Language Arts Mathematics Science Social Studies Interactive Books Primary Grades Tools and Resources Other Subject Areas | | | | | | | |
| Personal Use | | | | | | | |
| Literacy Skills | Reading Practice | Handwriting | Spelling | Grammar | Graphic Organizers | Literature for K-8 | Literature for High School |
| aaDC Sight Words - free | 1st Grade Reading - I Like Writing - free | ABC Cards - Tracing Cursive HD Free Lite - free | 1000 Sight Words Superhero HD - free | Action Words - free | Compare A Twist - \$2.99 | Alice in Wonderland (Classique) HD Free | Adventures of Huckleberry Finn (Classique) HD Free |
| Aardy's Consonant Blends - free | 2nd Grade Reading - I Like Horses - free | ABC Clouds HD - \$0.99 | 5 Letter Spelling Free - free | Comparative Adjectives - free | Corkulous Pro - \$4.99 | Animal Farm Study Notes - \$0.99 | Adventures of Sawyer (Class HD Free) |
| ABC & Me HD: Talking Animal Alphabet Flashcard and Dolch Sight Word Tutor - \$1.99 | 3rd Grade Reading - I Like Grandma - free | ABC Easy Writer - Cursive HD Free Lite - free | ABC Spelling Magic 2 Consonant Blends - free | English Grammar Drop: Practice Plural, Possessive, and Plural Possessive Noun Forms - \$.99 | iBrainstorm - free | Hound of the Baskervilles (Classique) HD Free | Antigone Study - \$0.99 |
| ABC Alphabet Animal FlashCards Free - free | A Seed Grows - LAZ Reader (Level G) - free | ABC Easy Writer - Numbers HD Free Lite - free | ABC Spelling Magic Short Vowel Words - free | Grammar App HD by Tap To Learn - \$.99 | iCardSort - \$5.99 | Landon's Pumpkins - LAZ Reader [level P: second grade] - free | Audiobooks - 1 |
| ABC Alphabet by Little Sorter - free | Aesop's Quest - free | ABC Easy Writer - Printing HD Free Lite - free | Active Typing Bee - \$2.99 | Grammar Dragon - free | Idea Sketch - free | Little Women (Classique) HD Free | Audiobooks- 2 classics for free |
| ABC Alphabet Letters by The Little Book - free | Bananas Sometimes - LAZ Reader (Level B) - free | ABC's Letter Rip! - \$1.99 | Amazing First Words:Christmas - free | Grammar Game Free - free | MindMash - free | Maria Counts Pumpkins - LAZ Reader [Level A-kindergarten] - free | Awesome Audiobooks - free |
| ABC Magic 2 - free | Book Chat - free | abcTrace - \$.99 | Build A Word Express - free | Grammar Jammers Elementary Edition - \$2.99 | Outliner for iPad - \$4.99 | Sherlock Holmes Collection HD Free | Beowulf Study - \$0.99 |
| ABC Magic 3 Line Match - free | Books for Kids - I Like Drawing - free | Alphabet Tracing - free | Chicktionary for iPad - free | Grammar Jammers Middle Edition - \$2.99 | Popplet Lite - free | Spinout Blue - \$9.99 | Brave New World Study Guide - free |
| ABC Magic 4 - free | Childrens Book - I Like Colors - free | BlobbleWriteHD - free | Cimo Can Spell - \$2.99 | Grammar Jammers Primary Edition - free | Simple Outliner (Free) - free | Spinout Red - \$9.99 | British Library Century Collection - free |

App Selection

- Places to hear from others
- <http://www.iear.org/>



Reviewers of Apps

Children's Technology Review -
<http://childrenstech.com/>

Common Sense Media -
<http://www.commonsensemedia.org/>

Also educators on Pinterest and Twitter
and

User Ratings (in the store or
marketplace)

App Selection

- Places to hear from others
- [http://
teachwithyouripad.wikispaces.co
m/iPAD+Apps](http://teachwithyouripad.wikispaces.com/iPAD+Apps)
- <http://www.techchef4u.com/>

App Selection

- <http://www.symboloo.com/mix/>



Android...

- Not my area of expertise, but here is the best resource I know:
- <http://www.android4schools.com/>



Thanks for your interest in choosing the BEST for our children!

- Gail Lovely
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- <http://LovelyLearning.com>



<http://www.lovelylearning.com>

