

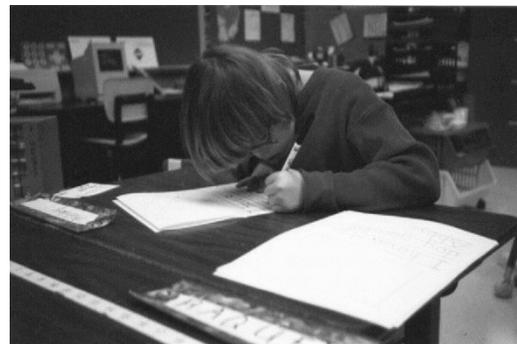
**From Low Tech to High Tech:
Begin Teaching by Design**

Kimberly S. Voss
Parent/Founder



Tulsa, Oklahoma
www.ashleymom.com

- Brief history
- Condensed lesson in design
- Tools that make creating educational materials fun and easy
- Examples of some awesome customized materials you can make in a snap using your computer or iPad
- Customizable iPad apps



To provide high quality
educational materials
designed to meet Ashley's needs
...that are meaningful,
visually accessible,
and kinesthetic.

Variables:

- Text
- Images
- Layout
- Media

Text All text is NOT “created equal.”

BAG bag

ascender
help
descender

- Font choice: serif versus sans serif
- Typeface characteristics: plain or bold, italicized, size, color
- Spacing: between words and between lines of text
- Alignment: left aligned, right aligned, or justified
- Competing background
- Handwritten text

Typography and the Early Childhood Teacher

By Mary Emily Brink
Masters Thesis

... that although teachers intend to use the classroom walls as a learning tool for all, their intentions did not always result in curricular and class information that promoted accessibility and learning.

http://thesis1.weebly.com/uploads/8/3/5/5/8355270/emily_brink_thesis_2012.pdf

Images

- Make them meaningful and choose them wisely
- Become an icon!



<http://www.iconizeme.com/>

Images

- Make them meaningful and choose them wisely
- Become an icon!
- Real world images versus symbols or icons
- Stock photos: free and commercially available
- Capturing images from the Internet
- Screen capture/screenshot

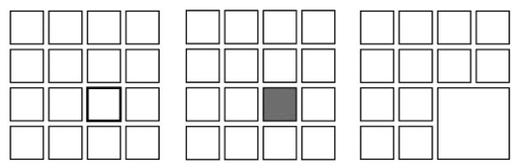
Screenshots

- Mac: Press Command (⌘)-shift-3 (full screen) or Command (⌘)-shift-4 (partial screen).
- PC: Press Print Screen (PrtScn) (full screen) or hold down Alt & press Print Screen (PrtScn).
- iPad: Simultaneously press the home button and the lock button.

Layout

- Contrast
- Repetition
- Alignment
- Proximity

Contrast

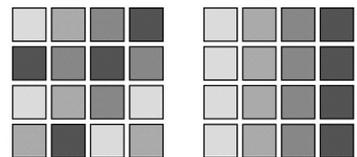


changing the thickness of a line

changing the color of one element

changing the size of an element

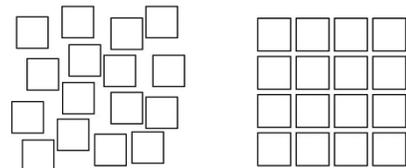
Repetition



Repeating design elements...

...provides visual organization.

Alignment



Using alignment...

...creates a sense of organization, making elements appear connected.

Proximity

Images in close proximity appear related...

...while images farther apart appear less related...

...but grouping images within a shape make them appear more related...

...while drawing a line to create two sets makes each set appear related.

- Contrast
- Repetition
- Alignment
- Proximity

- educational modifications
- low tech communication boards
- lotto boards
- IntelliKeys® overlays
- high tech communication strategies, such as Dynavox Compass™ for the iPad
- and Boardmaker Plus! activities

- ### Media
- | | |
|------------------------------|--------------------------|
| • multi-purpose paper | • rotary cards |
| • inkjet paper | • index cards |
| • white printable card stock | • print & shrink |
| • colored paper | • iron-on transfer paper |
| • inkjet vellum | • fabric paper |
| • photo paper | • waterslide decal paper |
| • transparency film | • temporary tattoo paper |
| • playing card paper | • puzzle |
| • printable magnet sheets | • embossing paper |
| • clear decals | • fuzzy paper |
| • labels and stickers | • perforated paper |

- ### Media
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| • playing card paper | • puzzle |
| • printable magnet sheets | • embossing paper |
| • clear decals | • fuzzy paper |
| • labels and stickers | • special perforated paper |

Tools to Make It Easy!

Xyron

Sticker-maker, laminator,
and magnet-maker —
in one simple machine!
Uses no heat or electricity.

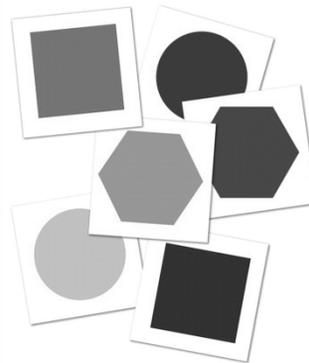


Xyron 900

- two-sided lamination
- repositionable adhesive
- permanent adhesive
- laminate/permanent adhesive
- laminate/repositionable adhesive
- laminate/magnet

Perforated Papers

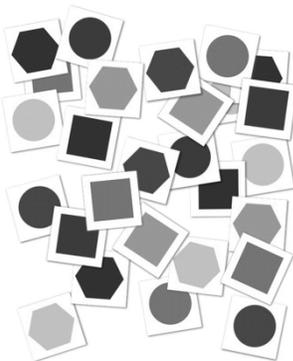
- index cards
- rotary cards
- customized perforated papers



6 Lotto Cards

print on one or both
sides to create:

- lotto cards
- flash cards
- low tech communication strategies



30 Lotto Cards

print on one or both
sides to create:

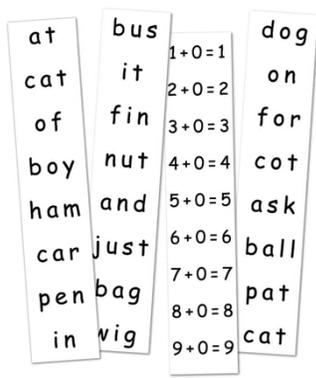
- lotto cards
- language activities
- token cards



4 Horizontal Strips

print on one or both
sides to create:

- flash cards
- spelling cards
- sentence strips



4 Vertical Strips

print on one or both sides to create:

- sentence strips
- sliders

| | | | |
|-----|------|-------|------|
| at | bus | 1+0=1 | dog |
| cat | it | 2+0=2 | on |
| of | fin | 3+0=3 | for |
| boy | nut | 4+0=4 | cot |
| ham | and | 5+0=5 | ask |
| car | just | 6+0=6 | ball |
| pen | bag | 7+0=7 | pat |
| in | wig | 8+0=8 | cat |
| | | 9+0=9 | |



Playing Cards

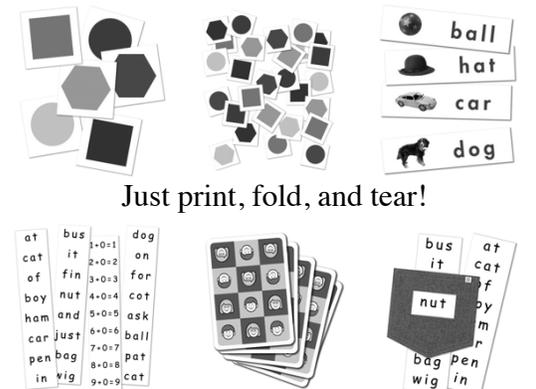
print on the uncoated side to create games for:

- language
- math
- spelling



Pocket Sliders

Use with Vertical Sliders for a perfect method to isolate text and images



Just print, fold, and tear!

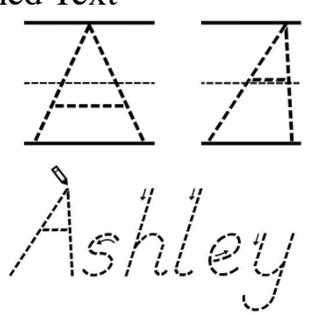
Specialty Fonts



School Fonts for Beginning Writing

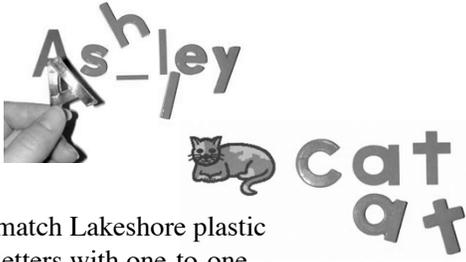
Published by Mayer-Johnson LLC

Dashed Text



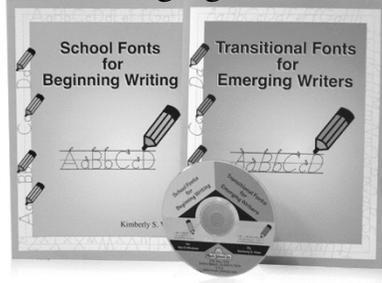
Ashley

Hands On font



match Lakeshore plastic letters with one-to-one correspondence to printed text

Transitional Fonts for Emerging Writers



Templates

- Print 'n Play Bingo
- Beyond Boardmaker®
- Books by Design with Boardmaker®
- templates in apps like Visual Creator and Custom Boards
- and shared templates from the Boardmaker Online community

Boardmaker®

- thousands of searchable images
- way to organize and retrieve your own images



Teaching by Design:

Using Your Computer to Create Materials for Students with Learning Differences

2005 ForeWord Magazine's Book of the Year Award: Finalist in Education Category



Woodbine House
woodbinehouse.com

CD-ROM w/ templates

Teaching by Design with Boardmaker®



DynaVox Mayer-Johnson
mayer-johnson.com

The Cool Materials!

Create Printable Materials from Your iPad



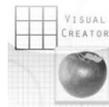
Visual Creator
By Silver Lining Multimedia, Inc.

\$29.99



Custom Boards – Premium
By Smarty Ears

\$49.99



- very straightforward
- many excellent templates and the ability to create your own, including templates for Ashley’s Mom, Inc. perforated papers, Avery labels, and printable perforated Rolodex cards
- uses images from the app’s photo library, your photo library, or from the camera
- only a single font (although a good one) and text only appears below the image, but text automatically resizes, providing continuity
- no background colors
- ability to email as pdf or print



- a bit more confusing
- multiple fonts and ability to place text above or below image
- image background colors (but difficult to match the same colors to multiple cells)
- uses Smarty Ears images, your photo library, and can directly search Google
- many excellent templates but no way to create your own
- backup and restore to iTunes feature
- ability to email as editable file (cbz) or pdf, print, or open in

Create Books from Your iPad



Book Creator for iPad
By Red Jumper Limited

“free” version
\$4.99



Pictello
By AssistiveWare

\$9.99



Kid In Story Book Maker
By Locomotive Labs

\$6.99
“free” version



Pages
By Apple Inc.

\$9.99 for the iPad.
Free for desktop/laptop.

**Create Interactive Activities
On Your iPad**



Bitsboard Pro
by Grasshopper Apps

flashcards, explore, photo touch, true or false, memory, pop quiz, match up, word builder, spelling bee, bingo, reader, word search, story time, side by side, odd one out

\$14.99
“free” version



Stick Around
by Tony Vincent &
MorrisCooke

\$2.99



Spell-A-Word
By RJ Cooper & Associates, Inc.

\$4.99



Clicker Sentences
By Crick Software
\$28.99



Clicker Apps Bundle:
Clicker Sentences, Connect,
Docs, and Books
\$89.99

Boardmaker[®] Online

By DynaVox Mayer-Johnson

“free app on an iPad that is included with your Boardmaker Online subscription”

\$???

(parent, professional, and district pricing)

Free 30-day trial

**Create Interactive Puzzles On
Your iPad**



Puzzle Maker for Kids:
By Scott Adelman Apps Inc.
\$1.99
“free” version



My Own Puzzle
By Jens Blom
\$2.99
“free” version

**Create Activities with
Manipulatives/Tangibles**



Tangram



Newton



Osmo

Apps are free.
Currently \$79 and free shipping.

