Integrating Writing and Handwriting with Tablets and Apps

Polly Benson, Forsyth County Schools
Pat Satterfield, Center 4 AT Excellence

www.amacusg.org
### Tools for Life Webinar Archives

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Category: Events
CEUs and CRCs are Available

- **CEUs** are approved for .10 clock hours and are administered through Georgia Tech Professional Education.

- **CRCs** are approved for 1.0 clock hours and are administered through the Commission on Rehabilitation Counselor Certification.
  - To receive your verification form, send an e-mail with the webinar title and date, your full name, organization, city, state, e-mail address and date of birth to Liz.Persaud@gatfl.gatech.edu.
Join us for Upcoming Webinars!

Event Details

Event
What can Google do for you?

Type
Webinar

Description
We all use and know what Google is, but have you ever wondered, “What can Google do for me and my students in the classroom, throughout the transition process, and into postsecondary and work environments?” Between Google Apps, Google Drive, Gmail, and Chromebooks, there are many tools at your disposal within the Google-verse. Join us for an exploratory webinar that will show you what Google has available for you, your students, and anyone seeking tools to help provide structure, organization, task management, and much more. Google and various Google products are used everyday by students and working professionals to reduce stress and help manage responsibilities. For individuals living with disabilities, Google products and services have opened the door for more access and ease-of-use when using the computer and mobile devices. During this webinar, presenters will not only share information about the benefits to accessing Google apps and products, but also identify limitations encountered by some individuals with disabilities and how to overcome them with various resources.

Start Date/Time
09-17-2015 3:00pm

End Date/Time
09-17-2015 4:00pm

Webinars

2015 GATE SEMINAR
DEC
4
Georgia Tech Student Center

WEBINARS

OCT
22
Integrating Writing and Handwriting Strategies using Tablets and Technology

NOV
5
Achieve Inclusion 2.0 with uPAR, Snap&Read, and CoWriter Universal

- Current Webinar Schedule
- Webinar Archives

TOOLS FOR LIFE APPFINDER

...for Living, Learning, Working, and Playing
Webinar Evaluation

At the end of today’s webinar, we ask that you please take a moment to complete our survey:

https://www.research.net/s/TFLwebinar
Integrating Writing and Handwriting Strategies using Tablets and Technology

Tools for Life Webinar
October 2015

Polly Benson, OTR/L
My First iPad...

Polly Benson, OTR/L, AOTA
The Ohio State University
• Married 3 children
• Special Needs Parent
Experience

Rehabilitation:
  • Work Programs, Neuro, Home Care, Fitness

Occupational Therapist at Forsyth County Schools
  • Severe/ Profound to High Functioning
    • PreK – age 21
    • AT team member

National Speaker for Summit Professional Education
Writing Fundamentals

Handwriting is essential.

- Handwriting is less emphasized in school
- Refined hand skills
  - critical for early learning
- Computer oriented world
Developmental Stages of Writing

- Exploration
- Pre-Conventional
- Emergent
- Developing
- Beginning
- Novice
- Bridging
- Expanding
- Independent
- Fluent
- Sophisticated
Exploratory Writers 2-3yr olds

• Scribbles, Marks on Paper

• **What to Teach**
  – Fine motor development
  – Continue exploring
  – Secure Paper
  – Patterns
  – Basic Colors

Common Core Standards (CCS)

• **Foundation Skills**
  – F.1, F.7, F.9, F.10, F.15, F.16, F.17

• **Sensory Motor Skills**
  – SM.1.1, SM.1.3, SM.1.4, SM.1.6, SM.2, SM.3.1, SM.3.2, SM.4, SM.5.1, SM.5.2, SM.6, SM.7.1, SM.7.2, SM.8, SM.9

• **Alphabet Knowledge**
  – AK2.2, AK2.6
Apps for Exploratory 2-3yr olds

• One Step – Touch, Swipe, Shake,
• Cause and Effect Apps are very motivating
• **Art of Glow**, Trace and Glow Words/ Shapes
• Fill Coloring/ **Coloring Pages**

• Two Step - Drag & Drop, Touch and Hold
• Little Match Ups, Sago Mini Apps, Fiete
• Ed Ninja Patterns
• White Boards, Chalk Boards, Dry Erase Boards
• Recordable White Board – Show Me, Educreations
Demonstration

Show Me

Fiete
Low Level Apps

• Barnyard, Hello Zoo, Hello Farm
• Sound Touch lite, See Touch Learn
• Cause and Effect – Bubbles, Balloons, Dolphins
• AutismXpress
• Touch Trainers
• Starfall, Abby Apps, Toca Boca, Pepi Play, Sago Ocean
• My First Apps – (Matching, Categories, Slide and spin)
• Bug Builder, Sound Box, both by Sago Mini
• Tap and See Zoo, Infant Zoo
Low Level Apps
For older kids with lower cognitive levels: Use apps that have photos instead of cartoons

• Photo Touch/ Grasshopper Apps
• Apps: pic find
• Bits board – build your own learning activity by choosing your photos
• Sounding Board – create speaking tiles for cause and effect
Early, Pre-Conventional Writers 4-5yrs

- Drawing with Details
- Random Letters
- What to Teach
  - Letter Recognition
  - Shapes
  - Pathways
  - Name
  - Basic Writing Strokes and directions
  - Good writing grasp

Common Core Standards (CCS)
- Foundation Skills
  - F.1 through F.18
- Sensory Motor Skills
  - SM.1 thorough SM.9
- Alphabet Knowledge
  - AK2. through2.6
- Literacy Writing Skills
  - W6.1 – W6.4
  - W.K.1 – W.K.8
Apps for Early, Pre-Conventional Writers 4-5yr

- Letter School
- PreWriting
- Ready to Print
- Dexteria Junior
- Shapes, Make Shapes
- Trace 1
- Little Match Ups
- ABC Alphabet (Grasshopper)

- Write on Sand
- Magnet Letters
- Cut, Cut, Cut
- Play123
- Alphabet
- TV Teacher
- Write my Name
- Swiggles
Demonstration

Ready to Print

Write My Name
Emergent Writers – PreK, K, 1st

- Pictures
- Letter/ sound connections
- Attempts directionality
- **What to Teach**
  - Letter formations/ sounds
  - Top to bottom, sizing, guidelines
  - Group like letters

**Standards**
- Basic Shapes
- Size Differences
- Position Words
- ID letters & numbers
- Correct Grasp, Posture, Stabilize Paper, L to R
Apps for Emergent Writers

- Letter Quiz
- App Crayon
- ABC Ninja
- ABCheese Lite
- Pocket Phonics
- Litte Writer
- Zaner Bloser Manuscript
- Ollie’s Handwriting & Phonics
- ICanWrite1 & 2
- Counting Dots
- Puppy Count, Candy Count
- Sorting 3
- Number Line
- Bubble Draw
- iTikes AR Books
- Toca Robot
- MyABC

**ANDROID**
- TAP that ABC
- 123Fun/ TAP that number
- 123 ABC’s Kids
Demonstration

Toca Robot Lab

I Can Write 1 & 2
Developing & Developing Discovery Writers 5-6yr olds

- Meaning in Text with words
- Spaces & Sentences
- Inventive spelling
- Expanded Statements

**What to Teach**
- Motor patterns & strength
- Automatic lower case letters
- Hand dominance
- Letter memory for reversals

**Standards**
- Correct Sequences
- Baseline Placement (1/8”)
- Grade appropriate size
- Guidelines, Spacing
- Write Name

[Image of handwriting: Alysia, USA]
Slide to unlock

Before it was cool.
Beginning Writers K-1, 5-6yr.

- General topic developed with expanded list
- Simple sentences
- Some conventions

- What to Teach
  - Placement
  - Spacing
  - Story Development
  - Beginning, middle, end

Standards
- 2-5 Letter words
- 2-3 word sentences
- Capitalization
- Ending punctuation
- Efficient Grip

They have broken arms. Kyle is a boy and carriage. She is a girl.
Apps for Developing Writers, Beginning Writers

- Kids Writing Pad
- Wet Dry Try
- Find the Letters (EdNinja)
- iWriteWords
- Dexteria
- Sentence Builder
- Sentence Maker
- My Mosaic

Make a Mosaic
Magnetic Letters
Visual Attention
Sight Words
Letter Reflex
Fix Reversals
Word Wizard
Phonics
Fiete
Demonstration

**Kids Writing Pad**

**Find the Letters**

Placement
Handwriting with Apps

• 1. Play-based activities to facilitate strength
• 2. Visual cues for letter memory, start points
• 3. Mass practice for skill mastery
• 4. Video modeling for sequencing
• 5. Visual Feedback for directionality – Recordable white boards, visual tracker
• 6. Pathways: Correct feedback, vs. start over if off line sequence vs. continue where left off.
• 7. Sentence generation for engagement
• 8. White boards and art apps for Free Draw
• 9. Stylus – use, pressure, posture
Apps Feature Matching Writing

Why I choose certain writing apps over others:

• What is the goal?
• Frustration: Start points vs. re-start
• Impulsivity
• Stylus and Pencil Control
• Letters, words, Sentences.
• Pick individually vs. in order
• Rewards, Data Collection
Apps Feature Matching Checklist

- Compare features of Apps
  - System, Cost of App
  - Data Collection, Manages multiple users
  - Ability to customize – users, word lists
  - Writing Instruction Method
  - UC, LC, numbers, words, sentences
  - Speaks letter/ word, Phonics
  - Visual cue for direction of formation
  - Animated Trace/ Erase
  - Pre-writing Strokes and Shapes
  - Practice letters out of order
  - Progress Reports or Certificates
# Apps Feature Matching Checklists

## Student:

### Feature

- [ ] Apps

### App

- [ ] Dexteria
- [ ] MeMoves
- [ ] UConnect
- [ ] ABC Maze
- [ ] ABC Tracer

## Specific Area of Difficulty:

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<th>Cost</th>
<th>Target Static/Moving</th>
<th>Touch Field Expandable or Restricted</th>
<th>2 Dimensional Movement in Space</th>
<th>Device Movement in Space</th>
<th>Finger Input - Single/Multi/Pinching/Bilateral</th>
<th>Finger Tracking Guides</th>
<th>Choice Fields Adjustable</th>
<th>Timing Adjustable</th>
<th>Unlimited/Timed</th>
<th>Unlimited Timing</th>
<th>Greatest Difficulty/Cueing</th>
<th>Visual/Auditory/Verbal</th>
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Novice Writers 1st – 2nd Grade and Novice Writer Apps

- Specific topic with supporting details
- Expansion
- Simple organization
- 1st to 2nd grade
- Address Reversals
- QR Codes for fun

**APPS**
- Visual Attention
- Find the Letters
- Doodle Buddy
- Doodle Cast
- Flip Books
- Letter Reflex
- Kidspiration
- Story Starters
- Write About
Bridging Writers 3rd – 4th grade & Apps

- Develops ideas
- Coherence and organization.
- 3rd to 4th
- Cursive
- Graphic Organizers
- Fine Motor Skills*
- QR Codes for homework

**APPS**
- Write About
- Kidspiration
- Comix by U!
- Make Beliefs
- Cursive Writing
- Write On
- AAC Apps to generate sentences
- Zaner Bloser Cursive
Demonstration

Make Beliefs  Kidspiration
Fine Motor Apps

- iOT Session, Quiver, **Coloring Pages**
- Chalk walk, Ready to print, Cut the buttons
- Counting Dots, Shapes, Numbers
- Mazes, coloring, dot to dots, puzzles
- Pinching, Cut the Buttons
- Finger Dash, Fast Finger, Circle Mania
- Reflex, Tapping Test, Finger Speed, Touch Per Second, Finger Count, **Relax Puzzle**
- Critter Quitter, Splat the Rat, **POT Smash**
- Finger Drums, Dots, **Dots and Boxes**
- Stay off the Line, **Tap it, Finger Battle**
Expanding Writers 4th – 5th & Apps

- Explores topic with focus.
- Beyond Surface
- Control writer’s craft.
- 4th – 5th
- Keyboarding
- Form Filling
- Dyslexia

**APPS**
- Apps for Common Core
  - Picture Writer
  - Form Filling Apps
  - Idea Sketch
  - Snap Type
  - Text Grabber
  - QR Codes to engage
  - App Search Engines
  - Data collection Apps
Dyslexia/Spelling Keyboarding Apps

- Little Speller
- Wooords
- Spellix
- Sight Words
- Scramble
- Sequential Spelling
- Spell Better
- Mini Word
- Words with Friends

- Tiny Tiles
- Connect
- Bubble Typing
- Tap Typing
- Typing Junior
- Keyboarding
- Smart Note
Demonstration

Snap Type
Form Filling

Typing Tutor
Foundation

Fine Motor

Language

Support

Writing Success
Independent/ Fluent/ Sophisticated Writers

- Developed Focus
- Sufficiently adequate craft
- Expanded Focus
- Purposeful crafting
- Moving towards complexity
- Middle School Common Core

High School:
- Insightful, expanded development
- Perspective
- Complexity and Significance
- Well-Crafted
- High School to College
Independent/ Fluent Sophisticated Writer Apps

- Audio Recorders
- Video Recorders
- Video editors
- Video stories
- Note taking apps
- Photo capturing
- Photo compiling
- Scanning
- Writing

- Geo-location
- Storyboarding
- Graphic Organizers
- Comics Head
- Friendstrip
- 10-15 second movies with Instagram/Snapchat
- Picture collage
Independent/ Fluent Sophisticated Writer Apps

- **Stop motion film**
  - Frolyc
  - Aursyma
  - Open Ed iPad
  - Puffin Academy
  - Presentations
  - Mind Mapping
Android Apps

- **ART**
  - Art of Glow, Glow Spin Art
  - Coloring Pages
  - Connect Dots
  - Talking Drawing
- **Fine Motor**
  - Finger Battle, Tap It
  - Dots and Boxes
  - Pot Smash
  - Toddler Butterfly
- **Vision**
  - Hidden Object
  - Mix and Match
  - What’s Different
  - Little Things Forever

- **Puzzles**
  - Animal Puzzles
  - Mazes
  - Memory Monster
- **Writing**
  - Tap the ABC, Number
  - White board
  - 123 ABC’s tracing
- **Other:**
  - Talking Penguins
  - Visulax, Relax & Sleep
  - Tizzy Apps
  - Cupcake, Milkshake Maker
  - Yoga for Kids lite
  - Workout Trainer
  - Easy Kid Tokens
Enjoy Writing in New and fun ways using tablets!
Contact Me

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