ASHA Convention
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- University of West Georgia
  - Area of Communication Sciences and Disorders
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Project Using iPADS for Clinical Education and Supervision
Disclosure Statement

The presenters have NO relevant financial or nonfinancial relationships to disclose.
Introductions
• University of West Georgia Technology Fee Grant

• Received over $13,000 in grant funds to purchase 20 iPAD devices and applications

• For graduate students enrolled in clinical practicum and internship courses
Equipment Purchased

- iPADS
- iPAD cases
- iPAD dock
- Apps for each iPAD for client performance
- Apps for each iPAD for student performance
  - Mind Mapping
  - Student’s Helper
  - Gray’s Anatomy
Project Justification
Five Traits of the 21st Century Educator

- Driven to learn
- A media creation expert
- A digital navigator
- An empathetic mentor
- A technology harmonizer

Keenan (2010)
Role as Educators

- Model life-long learning
- Question our methodology
- Seek new effective ways to deliver instruction in the 21st Century
- Demonstrate familiarity with the new digital landscape
- Tailor our instruction to a student-centered focus
- Realize the implications of pervasive technologies, such as the iPAD
Who Our Students Are

- Each semester, 18-25 graduate students
- Completion of an Advanced Clinical Practicum in Speech-Language Pathology rotation in the Speech-Language-Hearing Clinic
- A Division of the Comprehensive Community Clinic (CCC) located in the Education Center
• Provide supervised speech, language hearing, and swallowing disorders management services

• Serve 30-40 individuals each month from the UWG and surrounding Carrollton community
• Aid in the production of training videos for students and professionals

• Increase therapeutic techniques and treatment outcomes with the use of technology-enhanced activities

• Increase a variety of clinical opportunities for students by extending services to the surrounding community
• Support graduate students enrolled in clinical practicum and internship experiences, both on and off campus

• Enter the workforce better equipped to provide evidenced-based treatment services using innovative technology
A workgroup of eight graduate students as convened to develop protocols for use, research evidence-based applications and data forms (Fall 2011)

The protocol was presented to current graduate students to begin use in Spring 2012

Currently, over half of the students use an iPad regularly to support clinical goals in therapy each week

The Planning and Implementation Process
How This Works

- Each graduate student assigned an iPAD after registering for the first clinical practicum experience
- Required to turn in iPADS at the end of each semester for inventory check
- Communication applications developed by SLPs to enhance treatment intervention
• Engage students in research studies to determine treatment efficacy of particular methods found in the applications

• Data collection apps used to manage research data as well as client performance data

• Study of student learning and technology use with tablet technology in progress
• Undergraduate CSD students required to shadow graduate clinicians-in-training during supervised therapy sessions

• Experience includes introduction to Project *Using iPADS for Clinical Supervision*
iPad CHECK OUT GUIDELINES

- You must show your valid UWG Student ID at time of check out. Equipment will not be checked out without a valid UWG identification.
- You must be currently enrolled at the UWG.
- iPad Check-out form is to be filled out in its entirety and submitted with each session plan to your supervisor. Off-Campus students will need to fill out form and submit to on-campus supervisor at time of request.
- iPads can be checked out during office hours.
- iPads issued to off-campus students will be allowed to keep them for 2 weeks. A new form will need to be submitted should the student need to keep it longer.
- Do not ever leave the equipment unattended. Do not ever expose equipment to extreme heat or cold or moisture, above 90 degrees or below 35 degrees. You must return the equipment in person to the UWG-CCC. It is your responsibility to return equipment on time.

I have received the above listed equipment in good working order. I have examined the equipment I am checking out and accept it in good condition with no missing accessories / peripherals. I take responsibility for the use and care of the above listed equipment.

Student Signature ________________________

UWG CCC Representative ____________________

Date ________________

Comprehensive Community Clinic
iPad Check-Out Form

Clinician Name: ____________________________
On-Campus Location: _______________________
Off-Campus Location: ______________________

Date ________________

Individual Therapy: ________________________
Group Therapy: ____________________________

Reason for use (check all that apply):
- Speech
- Language
- Articulation
- Voice
- Augmentative Communication
- Cognition
- Motor Pragmatics
- Swallowing
- Voice
- Mobility issues
- Augmentative Communication
- Enhancement therapy technique
- Educational
- Mobility issues

Apps intended for use: 1.

Short-Term goal(s) targeted:
1. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________

- iPad Check-out form is to be filled out in its entirety and submitted with each session plan to your supervisor. Off-Campus students will need to fill out form and submit to on-campus supervisor at time of request.
- iPads can be checked out during office hours.
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Comprehensive Community Clinic
iPad Check-In procedure

Please fill out each portion of the iPad return form. The iPad must be returned to the clinic office staff. A signature should be obtained indicating the return of the equipment and that the form is correct.

1. Clinician Returning iPad: ____________________________
2. Date iPad was returned: ____________________________
3. Components returned: ____________________________
4. iPad Cleaned: Yes ______  No ______
5. Was there any Damage to the iPad? Yes ______  No ______
   If so what? ____________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

Was is damaged during the session? Yes ______  No ______

Signature of Clinician: ____________________________
Signature of Clinic Staff: ____________________________

Comprehensive Community Clinic
iPad App Request

Clinician requesting App: ____________________________
Date of Request: ____________________________

Please fill out all of the information requested. In your rationale, it will be helpful if you can advise how this will benefit the clients and the clinic, now and in the future. Please allow up to 2 weeks for approval of your request. We are unable to approve requests on a next day need.

<table>
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<tr>
<th>App's requested for purchase</th>
<th>Cost</th>
<th>Rational for request:</th>
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<tbody>
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Approved for purchase: Yes ______ (Which numbers ______)  
No ______ (Which numbers ______)  

Signature of Supervisor: ____________________________

If approved the form will be submitted to the clinic office for purchase and to sync onto the iPads.
• **Proloquo2Go By AssistiveWare** provides a full-featured augmentative and alternative communication solution for people who have difficulty speaking. Proloquo2Go is for anyone who cannot afford spending thousands of dollars on an AAC device and yet wants a solution that is just as good if not better. SLPs, teachers and parents recommend it for children and adults with autism, cerebral palsy, down syndrome, developmental disabilities, apraxia, ALS, stroke or traumatic brain injury.
**Verbally By Intuary** is an easy-to-use, comprehensive Augmentative and Alternative Communication (AAC) app for the iPAD. Verbally brings speech to those without and enables real conversation with its simple, intuitive design. Just tap in what you want to say and Verbally speaks for you.
Dysphagia2Go by Smarty Ear is a revolutionary app connecting the dysphagia assessment world to technology. It offers an easy to use, HIPPA compliant** resource to complement your Clinical Dysphagia Evaluation. Dysphagia2Go guides you through the evaluation process with reminders to assess medications, cranial nerves and all the areas on which any good dysphagia evaluation should focus. This app provides a thorough evaluation report template and provides extensive opportunities to record chart reviews, assessment data, and recommendations in a single document, which can then be printed or e-mailed directly from the user’s iPAD.
Comprehension TherAppy By Tactus Therapy Solutions Ltd. targets auditory and reading comprehension of single words. Designed to help people with receptive aphasia and alexia, it is also a valuable tool to treat attention and other cognitive deficits. Three user-friendly modes include Listen, Read, and Listen & Read to target individualized goals. The app automatically adjusts difficulty based on performance, allowing for independent massed practice. Built-in scoring and a results summary that can be e-mailed to the therapist in copy & paste report format makes therapy easy! Over 500 nouns with full-color photographs, recorded voice, and clear text with the option of adding over 100 verbs and adjectives!
Naming TherAppy By Tactus Therapy Solutions Ltd. is another powerful speech therapy app for aphasia rehab from Tactus Therapy Solutions. Patients with stroke and brain injury can practice word-finding on their own or with a therapist with this easy-to-use app designed by a SLP. Full-color photos with real recorded voice for over 500 nouns are included in the app. Self-scoring in test and practice modes allow for easy documentation with a report-ready score report sent via email.
Super Duper Data Tracker By Super Duper Publications is an advanced tool for monitoring and documenting your students' progress and allows you to create multiple goals for each student; choose from various response types — Tally, Correct, Incorrect, Approximated, and Cued; “undo” the last recorded response to correct an error; store data for an unlimited number of sessions; add students to multiple groups; add students temporarily to a group to make up missed sessions; write notes for each student in a session; email results for individual students or all students in a group; graph results for each goal.
ArtikPix By RinnApps is an articulation app with flashcard and matching activities. The scoring feature is available for collecting scores in flashcards on up to 4 children at a time. It has all 21 decks with 40 cards for the following sounds: th, f, v, ch, sh, k, g, s, z, l, r, s-blends, r-blends, l-blends, p, b, m, n, t, d, j. The decks are combined, selected for sound group (e.g., beginning th, er), then practiced in full-featured flashcard and matching activities.
**Fluency tracker© By Smarty Ears** is an application designed for individuals who stutter. It will complement the services of speech therapists in making progress towards a more fluent speech, positive feelings about speech, and reducing avoidance behaviors that are associated with stuttering. Individuals will be able to track changes in the frequency of disfluency, changes in avoidance behaviors, and feelings associated with speaking. One of its best features on Fluency Tracker© is the ability to measure the frequency of disfluency per minute.
SmallTalk Aphasia By Lingraphica was designed for people with aphasia, an impairment in the ability to use language, SmallTalk Aphasia provides a vocabulary of pictures and videos that talk in a natural human voice. Take along words and phrases to use in everyday situations or emergencies. It also contains mouth-position videos for practice and self-cuing, great for stroke rehabilitation and recovery of speech.

Chronological Age Calculator By Home-Speech-Home.com automatically calculates chronological age when you enter or change the birth date.
Fun Apps to Keep Children Engaged:

- **Fluid** turns your iPAD screen into a liquid surface.

- **Angry Birds**
- **Fruit Ninja**
- **Paint Sparkles Draw**
Incorporating Evidence-Based Practice (EBP)
Procedure:

- Using Evidence-Based Practice Research to find and utilize iPAD apps in therapy
- Not just what’s “free” or “fun”

The app search process:
- Client case history, review of chart
- Determine therapy approach
- Find Evidence
- Search for app based on research and client preferences
Anomia + iPad App

- Application
  - Naming TherAppy - $24.99
  - Word retrieval

- EBP
Aphasia + iPad App

- Application
  - Fotopedia - National Parks ($Free)
  - Discourse Production

- EBP
  - Phoneme-based rehabilitation of anomia in aphasia (2008)
  - Brain and Language, 105 (1), 1-17.
Language Tx + Apps

- Application
  - Google Earth ($Free)
  - Broad Target Recast

- EBP
  - Treatment effects on speech intelligibility and length of utterance in children with specific language intelligibility impairments (2005)
  - Journal of Early Intervention, 28(1), 34-49.
Application
- Camera ($Free)

EBP
- Effect of memory support and elicited production on fast mapping of new words by adolescents with down syndrome (2006).
  - Journal of Speech, Language, and Hearing Research, 49, 3-15
Language Tx + App

- Application
  - Virtuoso ($Free)
  - Virtual piano

- EBP
  - Effect of “Developmental speech and language training through music” on speech production in children with autism spectrum disorders (2010).
Milieu Tx Intervention + App

**Application**
- Safari Web Browser or iBooks
- Allows for modeling, vocal reinforcer, incidental teaching

**EBP**
- Effects of a Modified Milieu Therapy Intervention on the social communication behaviors of young children with ASD. (2009)
- Journal of Autism & Developmental Disorders, 39, 149-163.

50 Below Zero

Late one night, Jason gets woken up and discovers that his house is going CRRAAAZY! Jason's dad walks in his sleep, and Jason finds him in the most unlikely places! What do you do when you find your father sleeping on top of the refrigerator? Or sleeping in the bathtub? Read on, and find out what Jason does! 50 Below Zero is a classic Robert Munsch story, and a favourite with children everywhere!

**Keywords:** Munsch, winter, humour, sleep, family, problem solving

- **Author:** Munsch, Robert
- **Illustrator:** Martchenko, Michael
- **Publisher:** Annick Press
- **TumbleTime:** 6 minutes and 30 seconds
- **Reading Level:**
  - Grade: K-2
  - Lexile: AD290L
  - Accelerated Reader: 2.4

**Book Reviews**