THE STRUGGLE YOU'RE IN

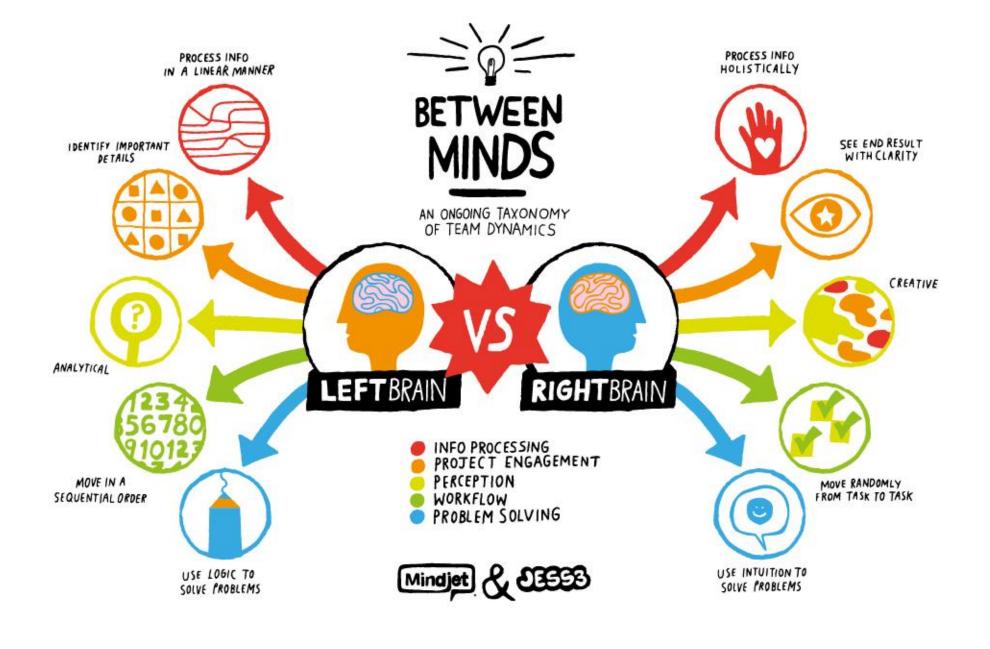
TODAY IS DEVELOPING THE

STRENGTH YOU NEED FOR

TOMORROW.

DON'T GIVE UP.

The cerebral cortex Parietal lobe Perception, spatial awareness, manipulating objects, spelling Wernicke's area Understanding language Broca's area Expressing language Occipital lobe Vision Frontal lobe Temporal lobe Planning, organising, emotional and Memory, recognising behavioural control, personality, faces, generating problem-solving, attention, social skills, emotions, language flexible thinking and conscious movement



EXECUTIVE SKILLS: 11 Skill Areas

Skill	Definition
Response Inhibition	The ability to stop one's own behavior at the appropriate time, including stopping actions and thoughts. The flip side of inhibition is impulsivity; if you have weak ability to stop yourself from acting on your impulses, then you are "impulsive."
Working memory	The capacity to hold information in mind for the purpose of completing a task.
Emotional Control	The ability to modulate emotional responses by bringing rational thought to bear on feelings.
Sustained Attention	The capacity to keep paying attention to a situation or task in spite of distractibility, fatigue or boredom.
Task Initiation	The ability to begin a task or activity and to independently generate ideas, responses, or problem-solving strategies.
Planning/prioritization	The ability to manage current and future- oriented task demands.
Organization	The ability to impose order on work, play, and storage spaces.
Time Management	The capacity to estimate how much time one has, how to allocate it, an how to stay within time limits or deadlines.
Goal-Directed Persistence	The capacity to have a goal, to follow through to completion of the goal, and not be put off or distracted by competing interests.
Flexibility	The ability to move freely from one situation to another and to think flexibly in order to respond appropriately to the situation.
Metacognition	The ability to stand back and take a bird's-eye-view of yourself in a situation, to observe how you problem-solve. It also includes self-monitoring and self-evaluative skills.

Source: Dawson and Guare (2004)

AUDITORY PROCESSES

Includes: auditory discrimination * auditory memory * auditory perception * auditory-vocal association * auditory synthesis * auditory figure-ground

Prime importance for: reading and language development, comprehension, communication, acquisition and processing of incoming information.

Components of auditory modality:

- Acuity
- Alertness

Figure-ground Sequencing ٠

Discrimination

Relate sound-symbol relationships.

- Memory
- Requirements of Listener:
- Organize auditory stimuli Respond to auditory

Understand meaning

of auditory stimuli

Basic intellectual

capacity

Auditory Responses are related to:

- Visual perception
- Emotional status
- Experiential background Motor learning

Neurological Implication:

Auditory stimuli place the most significant demands on attention since they are temporally ordered.

Implications for Reading:

- perceive a sound within a word, to synthesize sounds into words and to divide words Although reading is primarily visual, acquisition does depend on the auditory processes such as the ability to distinguish similarities and differences in sounds, to
- Initially, the reading process involves superimposing the print symbol on the auditory signal, i.e., associating a spoken word with a sequence of printed letters. Reading is a visual symbol superimposed on previously acquired auditory language.

Phonetic Approach

Presents difficulty for the child depending upon the severity of the auditory problems and the number of auditory areas affected

Auditory problems affect Reading:

- Difficulty in hearing the similarities in initial and final sounds in words
 - Difficulty in hearing double sounds of consonant blends
- Difficulty in the discrimination of the short vowel sounds
- Difficulty in rhyming
- Difficulty in breaking a word into syllables or individual sounds
- Difficulty in retaining each of the sounds or syllables Difficulty in blending sounds together as a whole, even though the individual sounds are known
 - Difficulty in remembering the sound of a letter or how to say a word even thought the meaning maybe known
 - Difficulty in precisely relating the auditory symbol with the visual symbol
 - May substitute words when reading aloud
- May distort the pronunciation of multisyllable words since there is difficulty in sequencing sounds.

transmission of the info to the brain. It may not be structured, recognized, coded or A child may have a normal audiological exam and still have difficulty with the stored in the normal manner.

A child with severe auditory problems in unable to structure his auditory world and may

react by ignoring auditory stimuli. "Pay attention"! It is likely that the vocational and social abilities of these students as they become secondary-aged students will be handicapped in subtle ways by these auditory processing problems.

Attention difficulties: play a very important role in the current and future auditory performance of students of all ages.

auditory stimuli in the immediate learning, social and vocational environment will directly influence the level of language, reading and generalized learning that can be achieved. How the student receives, discriminates, remembers, organizes and utilizes all the

LEARNING AND MEMORY: The Brain in Action

by Marilee Sprenger

	SEMANTIC MEMORY LANE (weakest of retrieval systems)	EPISODIC MEMORY LANE (also known as loci spatial, or contextual memory.)	PROCEDURAL MEMORY LANE (also known as motor memory, body learning or habit memory)	AUTOMATIC MEMORY LANE	EMOTIONAL MEMORY LANE
Part of the brain	Enters through brain stem to thalamus to hippocampus which is file cabinet for factual memories	Hippocampus: stores all factual info and location is factual (medial-temporal lobe)	Basal ganglia and stored in Cerebellum at the time it becomes routine; along with balance, posture.	Cerebellum; conditioned response memory	Amygdala located in forebrain next to hippocampus
characteristics	Explicit=voluntary.; information learned from words.; must be repeatedly processed for long term mem; semanic lane calls on working memory; requires the most effort; brain processes info in short chunks	Explicit/voluntary; deals with locations, spatial or contextual. Content of room in which learning happens is part of contextual memory; Environment. Motivated by curiosity, novelty & expectations.	Implicit/compulsive response; often called muscle memory; stores processes that the body does like (ride bike, skip); stores sequence like tying shoe	Any learning that is automatic such as alphabet, times tables, ability to decode words (but not comprehension) paired words as in opposites.	Emotional memory takes precedence over any other kind of memory and over- rides logical thinking! Release of the stress hormones like cortisol may cause interrupted transmission of info to other memory lanes, (neural hijacking), but also act as memory fixatives. Neg emotions seem to be most easily recalled, but all emotionally laden experiences are more easily recalled than neutral experiences. Auditory memories are potent emot. triggers. (Jensen)
accessed/ activated/ retrieval process	Is stimulated by associations, comparisons; similarities, contrasts	Triggered by returning to location of learning, visualizing context of how, where, when, under what conditions learning took place. Use emotion, field trips, guest speaker.	Can trigger memory by returning to same position as when you had thought	Words to music, the beginning of stories, poems, lyrics, physical movement.	Collages, dance, plays, songs, painting, sculptures. (Dim. of Learning)

Sprenger, M. (1999) LEARNING & MEMORY; THE BRAIN IN ACTION, ASCD, Alexandria, VA

Overview of content created by: Mary Tellefson, M.A. Teacher of the Visually Impaired/Orientation & Mobility Specialist

	SEMANTIC MEMORY LANE (weakest of retrieval systems)	EPISODIC MEMORY LANE (also known as loci, spatial, or contextual memory.)	PROCEDURAL MEMORY LANE (also known as motor memory, body learning or habit memory)	AUTOMATIC MEMORY LANE	EMOTIONAL MEMORY LANE
Instructional Strategies	Graphic organizers; peer teaching; questionings; summarizing; role playing; debates; outlining; time lines; practice tests; paraphrasing; mnemonic devices chunks, rehearse, review, reactivate to get from short term memory to LTM	Learning & memory prompted by a thematic map or "place in space", location or circumstance of the learning. Bulletin boards; change classroom arrangement before ea. unit; learn different subjects in different parts of the room; accessorize; field trips, teach from specific spot in room; colored paper	Must perform the material often enough to become a procedure; set up procedures in your classroom such as use of manipulative in math; anything that provides movement: role playing dance, marches, games; walk as you review; jump when they understand, clap when they know it all	Music in one of most powerful means for enhancing automatic memory; is triggered by simple associations; flash cards, oral conditioning	Purposely engage emotions: expression, movement, high stakes, novelty, sharing, relationship-driven (group work, apprenticeships, peer tutor) Music is powerful emotional stimulus;; drama; celebrations; act it out; enthusiasm
Authentic Assessment	Traditional: multiple choice, short answer, essay, T/F, fill in blank, matching. paper and pencil	Match learning states. Do assessment in room, space, location material was taught in. Other contextual cues: reproduce smells, sights, sound (play same music that students listened to while learning), etc.	Allow students to walk through procedure that triggers memory; music, hold lab equipment; show the procedure; question students as they are going through the procedure. Use demonstration, flow charts, and think alouds	Automatic memory must be accessed in the same manner in which it was taught	

Sprenger, M. (1999) LEARNING & MEMORY; THE BRAIN IN ACTION, ASCD, Alexandria, VA

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Knowledge

Recall /regurgitate facts without understanding. Exhibits previously learned material by recalling facts, terms, basic concepts and answers.

Comprehension

To show understanding finding information from the text. Demonstrating basic understanding of facts and ideas.

Application

To use in a new situation. Solving problems by applying acquired knowledge, facts, techniques and rules in a different way.

Analysis

To examine in detail. Examining and breaking information into parts by identifying motives or causes; making inferences and finding evidence to support generalisations.

Synthesis

To change or create into something new. Compiling information together in a different way by combining elements in a new pattern or proposina alternative solutions

Evaluation

To justify. Presenting and defending opinions by making judgements about information, validity of ideas or auality of work based on a set of crite-

(ey words:

Choose Observe Show Copy Omit Spell Define Quote State Duplicate Read Tell Find Recall Trace How Recite What When Identify Recognise Label Record Where List Relate Which Listen Remember Who Locate Repeat Why Match Reproduce Write Memorise Retell Select

Key words:

Ask Extend Outline Generalise Predict Cite Classify Give exam-Purpose Compare ples Relate Contrast Illustrate Rephrase illustrate Demon-Report Indicate strate Restate Discuss Infer Review Estimate Interpret Show Explain Match Summarise Express Observe Translate

Key words:

Employ Practice Administer Experiment Relate Apply with Represent Associate Group Select Build Identify Show Calculate Illustrate Simulate Categorise Interpret Solve Choose Interview Summarise Classify Link Teach Connect Make use of Transfer Construct Manipulate Translate Correlation Model Demonstrate Organise Develop Perform Plan

Key words:

Analyse Examine Prioritize Appraise Find Question Arrange Focus Rank Assumption Function Reason Breakdown Group Relation Categorise Highlight ships Cause and In-depth Reorganise effect discussion Research Inference Choose See Classify Inspect Select Differences Investigate Separate Similar to Discover Isolate Discriminate List Simplify Dissect Survey Distinction Omit Take part in Distinguish Order Test for Divide Organise Theme **Establish** Point out Comparing

Key words:

Adapt Estimate Plan Add to Experiment Predict Build Extend Produce Change Formulate Propose Choose Happen Reframe Combine Hypothesise Revise Compile Rewrite Imagine Compose Simplify Improve Construct Solve Innovate Convert Integrate Speculate Create Invent Substitute Delete Make up Suppose Design Maximise Tabulate Develop Minimise Test Devise Model Theorise Modify Discover Think Discuss Original Transform Elaborate Originate Visualise

Key words:

Measure Disprove Appraise Dispute Opinion Argue Effective Perceive Assess Estimate Persuade Award Evaluate Prioritise Explain Prove Choose Rate Give reasons Compare Good Recommend Conclude Grade Rule on Consider How do we Select Convince know? Support Criteria Importance Test Criticise Infer Heaful Debate Influence Validate Decide Interpret Value Deduct Judge Why Defend Justify Determine Mark

Actions:

Describing Definition Finding Fact Identifying Label Listing List Locating Quiz Reproduction Naming Recognising Test Retrieving Workbook Worksheet

Actions:

Outcomes:

Classifying Comparing Exemplifying Fxplaining Inferring Interpreting Paraphrasing Summarising

Outcomes:

Collection Examples Explanation Lahel List Outline Quiz Show and tell

Summary

Actions:

Dramatise

Carrying out Executing Implementing Using

Outcomes:

Demonstration Diary Illustrations Interview Journal Performance Presentation Sculpture Simulation

Actions: Outcomes:

Attributing Abstract Deconstructing Chart Integrating Checklist Database Organising Outlining Graph Structuring Mobile Report

Spread sheet Survey

Actions:

Constructing Designing Film Devising Inventing New game Making Painting Planning Plan Producing Project Song

Actions:

Advertisement Attributing Checking Media product Deconstructing Integrating Organising Outlining Structuring

Outcomes:

Abstract Chart Checklist Database Graph Mobile Report Spread sheet Survey

Questions:

Who was ...?

Why did ...?

Can you list three ...? Can you recall ...? Can you select ...? How did happen? How is ...? How would you describe ...? How would you explain ...? How would you show ...? What is ...? When did ...? When did happen? Where is . . . ? Which one ...?

Who were the main . . . ?

Questions:

Can you explain what is happening . . . what is meant . . .? How would you classify the type of ...? How would you compare ...?contrast ...? How would you rephrase the meaning ...? How would you summarise ...? What can you say about ...? What facts or ideas show ...? What is the main idea of ...? Which is the best answer ...? Which statements support ...? Will you state or interpret in your own

Questions:

change ...?

view with ...?

How would you use ...? What examples can you find to ...? How would you solve you have learned ...? How would you organise _ show ...? How would you show your understanding of ...? What approach would you use to ...? How would you apply what you learned to develop ...? What other way would you plan to ...? What would result if ...? Can you make use of the facts to ...? What elements would you choose to

What facts would you select to show ...?

What questions would you ask in an inter-

Questions:

What are the parts or features of ...? How is related to ...? Why do you think ...? What is the theme ...? What motive is there ? Can you list the parts ...? What inference can you make ...? What conclusions can you draw ...? How would you classify ...? How would you categorise ...? Can you identify the difference parts ...? What evidence can you find ...? What is the relationship between ...? Can you make a distinction between ...? What is the function of ...? What ideas justify ...?

How would you improve ...? What would happen if ...? Can you elaborate on the reason...? Can you propose an alternative...? Can you invent...? How would you adapt different...? How could you change (modify) the plot (plan)...? What could be done to minimise (maximise)...? What way would you design...? Suppose you could ___ what would you do ...? How would you test ...? Can you formulate a theory for ...? Can you predict the outcome if ...? How would you estimate the results for ...? What facts can you compile...? Can you construct a model that would change ...? Can you think of an original way for the ...?

Story

What changes would you make to solve ...?

Questions:

Do you agree with the actions/outcomes...? What is your opinion of ...? How would you prove/disprove...? Can you assess the value/importance of ...? Would it be better if ? Why did they (the character) choose ...? What would you recommend...? How would you rate the ...? What would you cite to defend the actions...? How would you evaluate ...? How could you determine ? What choice would you have made ...? What would you select ...? How would you prioritise ...? What judgement would you make about ...? Based on what you know, how would you explain...? What information would you use to support the view...? How would you justify ...? What data was used to make the conclu-

Bloom's Taxonomy: Teacher Planning Kit

words ...?

Speech and Language Goals For Independent Living

Comprehension

Read signs, menu, medicine labels, news

Schedules

Computer/Internet skills

Search internet

Categorize/Classify

Problem Solving

Inferencing, Paraphrasing

Responding to yes/no questions and wh- Questions

Vocabulary (vocation, transportation, grocery shopping, independent living,

money, health, banking, etc)

Concepts (temporal sequential, special, etc)

Money

Multistep directives

Figurative/Literal

Verbal Expression

Making phone calls

Placing an order

Making reservations and appointments (ex: SCAT bus)

911 Phone calls

Responding to customers

Asking for assistance

Conversational scripts

Conversational skills

Greetings, politeness

Vocabulary (label, request)

Answer phones, end conversations

Give directions, sequence tasks

Respond in complete sentences (increase MLU)

Articulation

Breathe Support (diaphragmatic breathing)

Fluency

Syntax (use verbs, pronouns, nouns, tense, etc)

Assistive Technology/Augmentative Communication

Communicate wants and needs, respond to questions

Describing

Memory

Following directions/multi-step directions

Carry out job responsibilities independently (mental or physical checklist)

Use a calendar

Grocery List

Recall names

Personal Information (address, phone #, etc)

Recall facts from a news story

Take phone messages

Vocabulary (word finding/circumlocution)

Association/Categorization

Pragmatics and Daily Living Tasks

Initiative

Advocacy skills

Laundry

Cooking, reading a recipe

Washing dishes, set table

Using the telephone

Greetings, Politeness

Social stories

Bills

Motivation

Groceries

Dress/Hygiene

Turn Taking, eye contact, absurdities, appropriateness

Conversing (initiate, maintain, transition topics)

Confidence

Semantics

Categories

Recipes/Cooking

Time

Measurement

Vocation

Transportation

Calendar

Content (classroom)

Emergency

Antonyms/Synonyms/Homonyms

Describing skills



Vision Performance Center Visual Learning Hierarchy

Visual and Multi-Sensory Supported **Educational Tutoring**

Visual and Visual-Motor Processing

Visual-Spatial Skills

Visual Attention and Processing Speed

-Bilateral Integration

-Laterality

Cognitive

Visual-Motor Integration (fine)

Visual Analysis Skills

- Discrimination
- Closure
- Form Constancy
- Figure Grand
- Spatial Relations

Dyslexia Screening

Visual Gathering Efficiency

Accommodation

Oculo-motor

Vergence / Fusion

Foundational / Early Development

Sensory Integration

Visual Acuity

Vestibular/Kinesthetic Acuity

Auditory Acuity

Non - cognitive

The SLP Apps List

This is a resource document intended to comprise a comprehensive list of mobile apps (iOS, iPod, iPad, Android, Blackberry) that can be useful to SLPs.

To begin, the list is divided into 3 categories: Lists and Resources, Pediatrics, Older Children/Adults.

Suggested format for listing apps-App Name with Link to iTunes or other site if possible (devices app runs on, developmental age range of appeal/application)- description of app, and clinical use- price

Please try to note if the app can be run offline, or if it requires 3G/4G or wi-fi to function.

A note on tech vocab- "native" means the device the app was designed for. For example, an app that is iPod native will also run on iPad, but not full-screen in high resolution. A "universal" app runs on both iPod and iPad in full-screen. "iOS" is the operating system used by iPod/iPhone/iPad. iPod refers to iPod touch, it should be assumed that all apps that run on iPod also run on iPhone. "In-app purchases" are an option when additional features or functions are available for a cost within an app.

Lists and Resources

http://www.speechsquirrel.com/links.html - The Speech Squirrel links page. Primarily links concerning Early Intervention, including articles, research, milestones charts, and activities. All free downloads.

<u>www.myeasybee.com</u>- This is a new website for everyone. The FREEBIEs generator....is a super cool quick tool for pulling up organized freebies on the internet. Its has over 1000 links to free material on the internet. Its an excellent resource for parents, SLP's and professionals in the regular ed and sped settings. Articles are also a great tool to keep current.

smartinclusion.wikispaces.com - by Alex Dunn, @SmartInclusion

Apps: an Emerging Tool for SLPs (article by Jessica Gosnell)

Kinder Town and AutismApps: Apps to find Apps

iPhone, iPad, iPod touch & Android apps for SLPs by GeekSLP.

TherapyApp411- Collaborative Blog with App Reviews by SLPs, OTs and other therapy and special education professionals

Updated list of AAC apps for iPhone/iPad by Jane Farrall of Spectronics

TiPS: Technology in Practice for SLPs Apps Lists:

Smarty Ears Apps for Speech-Language Pathologists

Deb of Speech Gadget's Categorical App List

<u>iPodsibilities</u>

technologyinpracticeslp.wordpress.coml Education Apps Review E. Sailers/S. Sennott List of iOS apps for SLPs

PocketSLP Speech Therapy Apps: Articulation, Minimal Pairs, Speech Tutor, Speech-Tastic, Artic Flash Cards /r/: Articulation, Android App

Tactus Therapy Solutions Apps and Other Apps for Adults List

SLP TechTools Speech Therapy Apps: Articulation, Minimal Pairs

Speech with Milo Apps

GeekSLP: Your source of SLP Apps and iPad accessories information.

SpeechTechie App Features

Lillie's iPad- Special Needs Resource for iPad

The Ultimate Guide for Assistive Technology in Special Edudcation by Joan Green- an SLP, this book has some great descriptions of Apps

Preschool Speech's List of Educational iPad Apps for Preschoolers

Moms with Apps

Babies with iPads

The iPhone Mom

Mitchell & Ferguson Jan. 9 2011 App Review List (downloadable pdf)

ConnSense Educational App List

Special Needs Apps For Kids

Smarty Ears Apps for Speech-Language Pathologists Document

inov8-Ed's There's A Special App for That Series

http://apps4stages.wikispaces.com/

iPads: A Class Act

Smart Apps For Kids: Comprehensive reviews of apps often useful in therapy.

<u>Lists from Professional Development Presentations Regarding Apps:</u>

Nichole Ontis and Danielle Sears' List for Missouri Speech Language Association

Articulation Apps:

Articulation Station Pro: Articulation Station Pro from Little Bee Speech is a full featured articulation application to help children as well as adults learn to speak and pronounce their sounds more clearly. Beautiful high quality images represent target words to be practiced in fun-filled activities at the WORD, SENTENCE and STORY levels with the assistance of a Speech-Language Pathologist, teacher or parent. There is also a light version (Articulation Station) that can be downloaded for free which gives the option of purchasing additional sounds individually as needed.

Articulate it!: A comprehensive Articulation therapy app that allows individual students to work on specific phonemes & phonological processes. Cost: \$38.99.

<u>Sunny Articulation & Phonology Test:</u> A full qualitative articulation and phonology test for the iPad that provides detailed articulation and phonology information immediately after the assessment.

<u>SLP Minimal Pairs</u> (for iPad) targets phonological disorders in children, pre-Kindergarten through 6th grade. The app facilitates discrimination and accurate production of speech sounds through the use of minimal pairs covering eight commonly used phonological processes including: Final Consonant Deletion, Fronting, Cluster Reduction, Prevocalic Voicing Gliding, Stopping, Depalatalization, Deaffrication and Gliding. The app supports VGA output.

<u>QuickArtic-</u> a free articulation app for IPhone. It contains 566 images tagged with titles and categorized by "phonemes". It was developed by Virtual Speech Center, Inc. which provides online speech therapy services. To learn more visit this link: http://www.virtualspeechcenter.com/Resources/Slp_Iphone_App.aspx

<u>Smarty Speech</u>-another articulation app designed by an SLP with real pictures organized into three categories: phonemes, modes or articulation or phonological processing (total over 2,700 pictures). Keeps track of results per stored client. SmartySpeech Spanish - see above all sounds in Spanish.

<u>Speech Trainer 3D</u> - This is a 3D demonstration of all sounds in the English language. Speech Trainer 3D is a tool designed to help individuals to practice every sound in the English language, including vowels and consonants. With detailed 3D animations that demonstrate the correct positioning of the tongue, lips, and mouth, it is a great model for children and adults who wish to work on learning to pronounce the English sounds correctly.

Minimal pairs – an app that targets the twelve most common phonological processes. Has a receptive mode which requires students to identify which word in the pair has the target sound and an expressive mode where they are cued to say both words.

<u>Match2Say</u> – This is a matching game with articulation sounds. All sounds come pre-loaded.

All about sounds – this is also a matching game of all sounds in initial positions.

<u>Tiga Talk Speech Therapy Games</u> - Tiga Talk is a one-of-a-kind app that has been developed with licensed speech and language pathologists to help children who are in the beginning stages of speaking learn how to make 23 core phonetic sounds through playful voice-controlled games that can improve speech clarity and articulation. For more info, visit: http://tigatalk.com/app/

Saundz / saundz is a pronunciation study app featuring a 100% virtually animated language teacher who provides learners with examples of sound and word articulation. For more info, visit saundz.com.

General Apps:

Whizzimo Blackboard - (<u>iPad app</u> and runs all other tablets, computers, and smartboards through the browser). Whizzimo Blackboard is a powerful, flexible, and easy-to-use program that uses digital letter tiles to support multisensory reading and spelling instruction. **Cost - FREE**Kindergarten.com (great vocabulary ABA apps, also what doesn't belong, emotions, receptive by class, what goes together)

<u>Talking Carl and Talking Friends</u>: Two series of apps where the child (or the adult) can say a word or short phrase <u>Talking tails games</u> (school age articulation app)— tic-tac-talk, speech corners, speech squares, say it again: and have it repeated back by the character in a slightly distorted voice. Great for working on articulation or saying sentences.

<u>Pet the Animals</u>- (iPod native/iPad, ages 1-6)- touch the screen and hear the animal sound/device vibrates; sound production, cause-effect, FREE, additional animals with in-app purchase, works offline

<u>Singing Fingers</u>- (iPod native/iPad, ages 1-8): Paint as you make sound, then play it back- FREE, works offline. Great for teaching cause/effect. <u>Cookie Doodle</u> and similar food apps from <u>Maverick Software</u> (e.g. More Grillin!) (iPod/iPad universal, ages 3-teen): design/cook a cookie and other foods from scratch, good for sequencing, description, pragmatics- \$.99. works offline

Angry Birds- (iPod/iPad/Android/Blackberry? age 5-teen)- arcade game, can be adapted to work on turn-taking, cause-effect, spatial concepts, cooperative skills, concepts around physics- \$.99, LITE version available FREE, works offline

My PlayHome (iPad, age 2-8) Virtual Dollhouse. Useful for both receptive and expressive building. \$2.99 - LITE version available FREE. Works offline.

Family Matters (iPod native/iPad, age 6-teen)- Conversation starters related to different locations, \$1.99, works offline

Age Calculator Free Android Version - (Android App) FREE - Age Calculator Free! helps Speech Language Pathologists, Special Educators, Physical Therapists, Occupational Therapists, and other Assessment Team members to quickly and easily calculate student or patient chronological age and critical delay. Shows age in both months:days and years:months:days. Has a space to enter your program's critical delay percentage qualification (e.g. 25% delay), and will show the critical delay age in months:days. Link:

https://play.google.com/store/apps/details?id=com.speechsquirrel.chronagecalc

Age Calculator Free Web Version - (Web App - all devices, iPhone/iPad/Android/Windows/etc.) FREE - Age Calculator Free! helps Speech Language Pathologists, Special Educators, Physical Therapists, Occupational Therapists, and other Assessment Team members to quickly and easily calculate student or patient chronological age and critical delay. This version is a Javascript Web App and can be used on any device with an internet connection. Has a space to enter your program's critical delay percentage qualification (e.g. 25% delay), and will show the critical delay age in months:days. Wifi or data connection required. Link: http://www.speechsquirrel.com/agecalc.html

<u>Chronological Age Calculator</u> - (Windows Store App) **FREE** - Chronological Age Calculator helps Speech Language Pathologists, Special Educators, Physical Therapists, Occupational Therapists, and other Assessment Team members to quickly and easily calculate student or patient chronological age and critical delay. Includes a space to enter your program's critical delay percentage qualification (e.g. 25% delay), and will show the critical delay age in months:days. Link: http://apps.microsoft.com/windows/en-us/app/chronological-age-calculator/6bb487a5-563f-4beb-93ce-041b342ba0d4

<u>Diadochokinetics Assessment Tool</u> - (Windows Store App) \$9.99 - Diadochokinetics Assessment Tool allows you to quickly and easily calculate the diadochokinetic rate of your student, patient or client in just a few minutes. Simply tap away and the app handles counting, timing, and comparing to norms! Norms for this app are referenced from: Fletcher, S. G. (1972). "Time-by-count measurement of diadochokinetic syllable rate." Journal of

Speech and Hearing Disorders, (Vol. 15), 763-770. Link: http://apps.microsoft.com/windows/en-us/app/diadochokinetics/f499788d-1139-4ee7-932c-fa132b2f6ccc

Cloud Logger - (Android App) FREE - Cloud Logger is a free app which helps professionals, medical or otherwise, to quickly and easily log information directly into a file in their Dropbox account in the cloud. Whether you're in your car between home visits or walking between classrooms or patient rooms, Cloud Logger's keyboard and voice enabled system is easy to use. Just click the microphone key on your Android keyboard and speak. Requires Dropbox account. NOTE: Dropbox is NOT HIPAA compliant. Use initials or other non-sensitive information and avoid exposing Private Health Information/Personally Identifying Information. Link: https://play.google.com/store/apps/details?id=com.speechsquirrel.contactlog EASYBEE TIMELINE CALCULATOR- (Universal App- Ipad/Ipod/Iphone) .99- This is a COMPLIANCY TIMELINE CALCULATOR. Created by 2 licensed Speech Language Pathologists. It was created for all SPECIAL EDUCATION staff for calculating SPED timelines quickly. On a daily basis, Special Education professionals are counting 30, 45, 60, and even 90 calendar days to determine due dates. To learn more click on this link-www.myeasybee.com or https://itunes.apple.com/us/app/easybee-timeline-calculator/id505870499?mt=8

<u>EASYBEE AGE CALCULATOR</u>- (Universal App) **FREE**- Created by 2 licensed Speech Language Pathologists. This chronological age calculator was designed to calculate age faster than figuring it manually.

This is the ideal app to quickly determine a person's exact age in years, months, and days. It's the simplest of tools and yet the most essential for any medical or educational professional. To learn more click on this link- www.myeasybee.com or https://itunes.apple.com/us/app/easybee-age-calculator/id471764082?mt=8

Magical Concepts- Magical Concepts was created by a certified speech-language pathologist who wanted to make "drilling" with flashcards fun and motivating. This engaging, colorful app includes over 2000 photos accompanied by audio instructions. Children are welcomed by Mago the Magician, who encourages them to work hard. Children earn stars for each correct response, and when they accumulate enough stars, they are rewarded with a magic show.

Hamaguchi Apps for Speech, Language & Auditory Development www.hamaguchiapps.com

Interactive, colorful and engaging apps for the iPad and iPhone, full versions all less than \$10!

<u>House of Learning:</u> Choose your character, the scene, play and learn with this app! It contains 12 scenes that allows students to work on prepositions, learn vocabulary and have fun.

Percentally (iPod native/iPad): keep track of therapy data with a tap, export to Google Docs- \$2.99

Flipboard (iPad only)- read and interact with RSS, Twitter feeds like they are a magazine, way cool! FREE

Reeder (iPod/iPad): access RSS feeds, blog subscriptions and synch with Google Reader- \$2.99/4.99 iPad

#1 Chronological Age Calculator - On the go and need to figure out someone's Chronological Age? It automatically calculates chronological age when you enter or change the birth date. Do you need an age for an earlier date? You can do that too. Yep, it's that easy. Compatible with iPad. Cost: FREE

Twitter or Tweetdeck (iPod/iPad): access your Twitter feeds, lists and messages from mobile devices- FREE

<u>IEP Checklist</u> (iPod/iPad): a tool for parents and teacher to consider as they develop the IEP. Can also be used to take notes in meetings or record the meeting into voice notes. It can export IEP checklists and notes. **FREE**

Reading Fluency Timer (Apple Macintosh OS X 10.5 or above so far): a tool for recording students reading a passage for one minute that they can play back and hear for themselves to analyze mistakes and then attempt a better time. Compatible with many reading programs with a fluency component. \$6.99

<u>Tapikeo HD</u>: create your own boards of pictures and associate your own sounds/voices to each picture: you can create exercises, step by step guides and social stories. In the "shake" mode, kids hear one of the sounds and must select the good picture in the board. Compatible with iPad. \$2.99.

<u>Word SLapPs</u> - Upload your own images to teach customized vocabulary in an ABA styled approach. Record your own voice asking questions. Compatible with iPad. Cost: \$2.99.

<u>i See-quence...</u> My Daily Schedule, Recall My Day and Learn Calendar Concepts is an app providing a photo story for individuals that need support in understanding the steps that will/have occurred during their day. Fifty-seven real photo icons are used to illustrate the events of the day. Utilize app to help student recall the events of the day by adding your own photos, custom text and audio. In addition template in the app allow to make custom schedules.

For iPhone and iPad. Cost \$2.99

<u>I Can Do Apps</u>: (iPhone & iPad) Educational apps for speech and language development including - Emotions, Emotions 2, Baby Emotions, Emotions Cards, Rhyming, Associations, Categories, Same/Different, Starting Sounds, Guess What?, Guess Who?, Guess Where?, Yes/No, and more. Visit www.icandoapps.com for more information.

Pediatric Apps

ToonWare Categories for Speech and Language Therapy This app is designed and developed by a certified Bilingual Speech Language Pathologist to assist children ages 3 to 7 years increase their communication skills. It helps children in the six areas crucial to literacy development – categorization of everyday objects/animals, phonics, vocabulary, fluency, comprehension and expression. The Categories app has three levels, making it challenging and fun at the same time. Throughout the three different levels the child has to be able to understand the relationship between the pictures shown and find the category to which they belong.

ToonWare Categories for Speech and Language Therapy app is available to download on iPhone ™ 4, 4S and 5, iPad ™, iPad Mini ™ and iPod Touch ™. It is also available in Turkish under "Kategoriler" and Spanish under "Categorías" https://itunes.apple.com/us/app/toonware-categories-for-speech/id665544622?mt=8

Snow Globe Makers (iPod/iPad universal, age 3-teen)- Snow globe creators on various topics e.g. seasons, animals, locations. Add items to globe and shake; concepts, description, associations, \$.99, works offline

<u>Peekaboo Barn</u> (iPod/iPad universal, age 3-6) - Listen to the animal sound, open the barn door and see the animal. Great for minimally verbal kids ("open," animal names, animal sounds). Also useful as an auditory processing activity (guess which animal is making the sound). See other Peekaboo Apps. Fun! \$1.99

What is Today? (iPod/iPad universal, Android; age 3+)- book with several interactive pages towards the end. Helps kids understand the passage of time with regards to day and week. No in-app purchases, \$.99, works offline

<u>Let's Make Soup with One, Some and All!</u> (iPad, Android, Kindle Fire)- Fun game that has 3 modes to teach, practice and assess one, some and all. Can also be used to work on singular/plural and one to one correspondence. \$1.99

<u>Elephant Song</u> (iPod/iPad universal) - Very cute song about animals with all kinds of mistakes - elephants swing through trees, monkeys swim in oceans, and cats say cock-a-doodle-do. You can pause the song so your students can tell you what's wrong and why. \$1.99

Wheels on the Bus (iPod/iPad universal) - The popular song with a few new verses. Interactive - make the bus move, open/shut the door, beep the horn, etc. \$0.99

Old macdonald - sings the song and allows a bit of interaction by taping the animals to have them make sounds.

<u>Bitsy Spider</u> - HD - gr<u>ltsy</u> eat interactive app which sings the song when you tap on the spider and has other characters that move when you tap on them. Great for expression about what is happening, singing practice and receptive vocabulary.

Speech with Milo: Verbs (iPod/iPad universal, age 2-6)- Created by a licensed Speech-Language Pathologist to build language skills in children. This app is focused on action words. Features an animated mouse that kids love. He demonstrates actions such as "running", "hugging", "skiing". Instructions on app for parents and therapist. Here is a demo. \$2.99

<u>Speech with Milo: Prepositions</u> (iPod/iPad universal, age 2-6)- Created by a licensed Speech-Language Pathologist to build language skills in children. This app is focused on location words. Features the same animated mouse from the verbs app. Great in therapy. He demonstrates prepositions such as "beneath", "around", "above". Instructions on app for parents and therapist. Here is a <u>demo</u>. \$1.99

<u>Speech with Milo: Sequencing</u> (iPod/iPad universal, age 2-6)- The app uses the same mouse, Milo, to engage the children to learn and participate in developing sequencing and story telling skills. The app comes with instructions for therapists and parents written by an SLP. There are also several settings to turn off hints, sound or text as each child may need something different. Here is a <u>demo</u>. \$2.99

(Spanish) Speech with Milo: Verbs (iPod/iPad universal, age 2-6)- A Spanish version of the Speech with Milo (Verbs) app noted above. \$2.99 (Spanish) Speech with Milo: Prepositions (iPod/iPad universal, age 2-6)- A Spanish version of the Speech with Milo (Prepositions) app noted above. \$1.99

<u>Speech with Milo: Interactive Storybook</u> (iPod/iPad universal, age 2-6)- Our newest app is the Interactive Storybook. This app is a book that allows the child to listen to the story or record their own story. Each page is rich with interactive features to keep your child entertained. The graphics on this app are fantastic- your child will love it. Here is a <u>demo.</u> \$1.99

Easy concepts (iPad, age 3 and up) - has three levels - animal sizes, underwater sequencing and the before and after farm to allow kids to work on basic concepts and sequential directions. 4.99

<u>Fun with directions (iPad, age 4 and up)</u> - uses functional directions to target ten concepts: give, touch, open, close, top, middle, bottom, push, colour and erase. Also includes the optional 'superstar direction' which allows the client to record 'what did you just do'. 9.99

<u>Splingo's language universe (iPad, 18+ months and up)</u> = 4 levels of instructions to target receptive vocabulary, action words, prepositions and adjectives. 2.99, fully customizable for a range of ages and developmental levels.

Super Duper apps: about a dozen of their popular fun decks for language, inferences, pragmatics, etc.

<u>Sentence builder, language builder, story builder apps by Mobile Education store (universal, age 6 and up)</u>: Has children record a sentence about a picture, record elements of a story they are inventing with picture support or make a word based sentence about a picture by selecting the correct words. Great for vocabulary development, narration and more advanced expressive skills.

<u>First phrases</u> - has children tap the elements of a sentence to have it speak the words, then shows the animation of the character performing the action. Then it prompts that child to record the sentence.

EasyKidTokens (Android) - A cute animated token board. You can customize the rewards, using your own photos. FREE

EasyKidTimer (Android) - A traditional visual timer. You can customize the picture and description of what's coming when the timer runs out. \$1.00 Kiddie Countdown Activity Timer - iPhone app (but works with iPad). Set the time to anywhere from 1 min to 23 hrs and 59 min. The circle starts green and full with the word "go" and gradually diminishes. You can set an alarm to go off as a warning that the activity is almost complete. When the timer finishes, the circle turns red with the word "stop" and you hear cheering noises. Both the alarm warning and final noises are customizable, but for some kids, you can turn the volume completely off and the changing colors are enough. (free version has some advertising, but it's minimal. I've worked with a bunch of kids and they never even notice/pay attn to the advertisements)

Verbs 1 HD/Verbs 2 HD/ Verbs 3 HD - 80 short videos per Verb App. listed alphabetically. Great for teaching verbs to young children or adults who need to learn to function independently at work, home, and the community. Compatible with iPad. Requires OS 3.2 or later. Cost: 1.99 per app. Tap Fish/Colorful Aquarium for iPad Lite (iPod/iPad, age 2-adult) Design and take care of a virtual aquarium. Use categories (since you will be dealing with multiple fish from many categories) sequences ("First we put the fish eggs in the tank, then the fish are born!), develop vocabulary and verbs (as you can buy, clean, count, eat, feed, look and much more at the fish tank), descriptive (we can choose the big blue plant or the small green one), quantity (we don't have enough fish, let's add more), and spatial terms (does this fish like to swim at the top or the bottom of the tank?) regarding your aquarium, as well as reciprocal interactions during play. Free, works offline.

<u>Touch Pets Cats/Dogs</u> as a substitute (iPod/iPad universal, age 4-adult) allows you to adopt a pet and take care of it over successive visits-opportunity to model verbs and verb endings, withpet, play, feed, give, etc, cause-effect relationships: "Ohhh, she's meowing BECAUSE she wants water."

<u>Expressive</u> (iOS) \$34.99 <u>purchase via iTunes App Store</u> - AAC app featuring built-in image library, flexible & intuitive customization [import custom images, record audio, create folders, rearrange images, change background color], choice of male or female voice.

<u>PaintSparkles</u> (iOS) Free a paint app that sparkles while you paint, also has sounds, makes the drawing time more interactive (my 4 year old daughter loves this app). <u>Android Version</u>

<u>Preference & Reinforcer Assessment - Autism & Special Education</u> (iOS - requires iOS 4.0 or later) makes a running preference (reinforcer) assessment easy to do, keep track of your child/client's preferences. \$14.99

<u>Touch Trainer</u> (iOS - requires iOS 4.0 or later) simple cause & effect app designed to train a child/client how to use touch screen technology with simple animations and music. Button's gets progressively smaller as the app move through levels to teach an individual how to use a touch screen. \$6.99

<u>Turn Taker - Special Education & Autism</u> (iOS) visual and/or audio cues to facilitate turn taking and/or sharing students/clients with an autism spectrum disorder. \$4.99

Speech Stickers (iPad) \$14.99 Ages 2-8, A practice app for nonverbal/minimally verbal children, late talkers and children with severe Childhood Apraxia of Speech. Targets basic consonants and vowels /m,p,b,a,i,u,o,^/ in isolation, CV and VC combinations. Adult/therapist "score to advance feature" ensures that child attempts target before moving on. Engaging short animations reward and encourage. Works off-line. http://www.serioustree.com/products/speechstickers/

<u>Piccolo Picture Books</u> (iPad, Age 4 and up) - multiple digital picture books on one bookshelf, each book is available in 5 languages (English, French, Spanish, German, Dutch) and can be listened to, read independently or learn to read from by reading along with highlighted words and narration - free bookshelf app, free lite version, books are in-app purchase \$4.99

<u>All About Me Storybook</u> (iPad and iPhone, Ages 3 and up)- Storybook format for learning personal information such as full name, address and special things about the child; multi-user and child lock feature allows information to be stored safely for an unlimited number of users; picture and recording options can be used to personalize pages \$2.99

<u>The Social Express</u> - available on ipad, Mac and PC.Interactive software targeting social learning challenges for students ranging from kdgn through middle school. Program includes teaching guide, printables to use with students. Program presents integrated approach to teaching social learning concepts including Michelle Garcia Winners' Social Thinking® Curriculum, Carol Gray Social Context, Brenda Myles Hidden Curriculum and self regulation concepts. Visit www.thesocialexpress.com for more information and pricing.

<u>iBaby Buttons:</u> (iPad, iPhone, iPod touch) A customizable cause and effect bubble-popping style app. Tap anywhere on the screen to create a button, tap it again to reveal an image and hear a sound, and tap it again to pop it. Parents and teachers can record words and sounds with built in microphone and add photos using the camera or photo library.

<u>Felt Board</u>: (iPad, NOOK, Kindle Fire) Much like a traditional felt board, this digital version is designed for imaginative play, storytelling and learning. Children can create original scenes, or use the scenery, people and accessories to re-create favorite early childhood stories, rhymes and songs. Adults can use app along with children to encourage dialogue.

SpeechBox is a iPad & iPhone app designed to work with Children with Apraxia of Speech, Autism, Down's Syndrome, and other Speech Language difficulties. Parents, Educators, Speech Therapists, etc. can work with Children and practice speaking simple words in a beautiful interface with engaging colorful pictures. Not only can you work with over 700 beautiful retina quality pictures, but you can add your own pictures using the iPhone or iPad's camera, photo library, Bing Image search, or Dropbox. So you can easily add pictures of friends, family and other common objects the child can practice with. **Designed For:** iPhone, iPod Touch, iPad, iPad Mini. **More Information:** http://speechboxapp.com/download **Other Info:** Works offline, US \$19.99 for iPad version, US \$9.99 for iPhone/iPod Touch version.

Information about Key Word Kids

Key Word Kids provides a program to develop language comprehension through increasing understanding of Key Words (Information Carrying Words) used in a sentence. To show understanding of 4 Key Words, an example would be: 'Make the dog run to Steffy's bed' with contrasts needed for dog, (e.g. cat) and run, (e.g. walk) and Steffy's, (e.g. James's) and 'bed' versus 'chair'. In the Key Word Kids app, based on the principles of the Derbyshire Language Scheme (Masidlover, 1982, UK), children follow increasingly longer and more difficult directions by interacting with the key characters in various fun and colourfully realistic scenes, introducing the vocabulary in context. The app includes unique animation trees to help children focus on understanding verbs. There is also a recordable free play expression mode and five motivating mini games. Created by a Speech Language Pathologist and an Special Education teacher/School Counsellor/Play Therapist, the carefully graded sentence structures are great for all language learners including those learning English as a second language. The app has been specifically designed to support children with language

and communication difficulties such as autism, apraxia of speech and language disorder (uneven development) or delayed language development. Various settings allow for instructions with text only to practice reading comprehension with functional responses. Key Word Kids is available for sale now at the iTunes Store (U.S.\$27.99/Australian

\$29.99): https://itunes.apple.com/WebObjects/MZStore.woa/wa/viewSoftware?id=778518837&mt=8. You can read more about it on the website: https://www.languageandlearningsteps.com.au or watch a short video clip of Key Word Kids in actionhttp://www.youtube.com/watch?v=Sv87kgtTlwU.

Avaz for Autism - is a full-featured, research-based AAC app for iOS (iPad) and Android platforms. It is designed to make speech therapy more effective, develop the child's language and improve his intent to communicate. Avaz has 3 graded, ready-to-use vocabulary sets, with over 5,000 core and peripheral words, organized into intuitive categories. Avaz works *offline*. US \$99.99 (on sale for US \$79.99 for entire April 2013) iTunes Link (http://bit.ly/WXVIIQ), website - (http://bit.ly/16OsfnN), videos - (www.youtube.com/avazapp)

Apps for Older Children (Elementary-on) up to Adults (please estimate age range)

ToonWare Categories for Speech and Language Therapy This app is designed and developed by a certified Bilingual Speech Language Pathologist to assist children ages 3 to 7 years increase their communication skills. It helps children in the six areas crucial to literacy development – categorization of everyday objects/animals, phonics, vocabulary, fluency, comprehension and expression. The Categories app has three levels, making it challenging and fun at the same time. Throughout the three different levels the child has to be able to understand the relationship between the pictures shown and find the category to which they belong.

ToonWare Categories for Speech and Language Therapy app is available to download on iPhone ™ 4, 4S and 5, iPad ™, iPad Mini ™ and iPod Touch ™. It is also available in Turkish under "Kategoriler" and Spanish under "Categorías" https://itunes.apple.com/us/app/toonware-categories-for-speech/id665544622?mt=8

Speech Trainer 3D This is a 3D demonstration of all sounds in the English language. Speech Trainer 3D is a tool designed to help individuals to practice every sound in the English language, including vowels and consonants. With detailed 3D animations that demonstrate the correct positioning of the tongue, lips, and mouth, it is a great model for children and adults who wish to work on learning to pronounce the English sounds correctly. This is a great visual tool for individuals who have suffered a stroke and are relearning speech, children with speech delays, or even as a tool for learning English as a second language.

Speech Trainer 3D demonstrates the sounds in two views: Front and Side View. Speech Trainer uses the International Phonetics Alphabet, which is the best way to represent each sound.

Speech Trainer has 30 sounds represented; 23 consonants and 7 vowels.

<u>Spaced Retrieval TherAppy</u> (iPad/iPhone universal, adults) - A timer and data tracking tool for doing spaced retrieval therapy for up to 3 memory targets for dementia, aphasia, and any learning need. \$3.99

Comprehension TherAppy (iPad/iPhone universal, adults) - Auditory and reading comprehension therapy for aphasia rehabilitation. Comes with 500+ nouns, add-on 100+ verbs and adjectives. Works offline, clear photos, and report-ready score reports. Also good for attention training. \$24.99 Naming TherAppy (universal, adults) - Word retrieval practice with an evidence-based hierarchy of cues, semantic-feature analysis, a naming test, and 500+ flashcards. Naming practice can be scored and results emailed. Works offline. Designed for aphasia rehabilitation. \$24.99 Writing TherAppy (universal, adults) - Spelling exercises at the word-level with fill-in-the-blank, copy, written naming, and writing to dictation, customizable for word length and letters to choose from. Great for aphasia as well as older children with special needs who don't write. \$19.99 Reading TherAppy (universal, adults) - Reading comprehension for phrases and sentences with pictures to match and completion activities - nearly 2000 unique exercises with crafted foils, email report data, and onscreen data collection. \$14.99

<u>Verbally</u> (available for iPad, age 8-adult) - Free AAC App for people who are literate. Has lots of nice options: three different keyboard layouts & a very clear design. Better than many other expensive apps available. Free, works offline.

Can You Find it? (separate versions for iPod/iPad, age 7-teen)- Follow complex conceptual directions to find an item, .\$.99, works offline

Animalia (separate versions for iPod/iPad, age 6-10)- interactive version of book by Grahame Base- "Find over a hundred items scattered through the artwork - learn their names and hear what they sound like!" concepts, vocabulary, semantics, description, phonemic awareness- \$2.99/3.99, works offline

Model Me Going Places (separate versions for iPod/iPad, age 6-teen) - social skills training, demonstrates appropriate peer behavior in different settings. FREE

Google Earth (iPod/iPad universal, age 7-adult)- Geographic web browser, great source of images to use in language stimulation, help students access social studies curriculum- FREE

<u>Voice Cards</u> (iPod native/iPad, age 8-adult)- "NOT flashcards"- record question/answer sets to test oneself- good for vocab, reviewing academic material, .99

The Power of Voice (iPod native/iPad) Gives advice to adults as to how to avoid typical voice problems and how to minimize vocal strain \$ 5.99 Free Your Voice (iPod native/iPad) a singing app that could be adapted to voice therapy, information on vocal chords - \$5.99

Lemonade Stand (iPod native/iPad, age 7-adult) Plan and organize the management of a lemonade stand based on weather forecasts-\$.99

Oregon Trail (iPod native/iPad, age 7-adult) Make decisions and solve problems while traveling out West- \$.99

<u>Lingraphica</u> has aphasia and dysphagia apps for the Apple markets..

<u>Super Duper Age Calculator</u> (iPhone/iPod Touch native, iPad) Calculate chronological ages quickly and accurately. App allows you to choose both the test date and birth date. FREE!!

SoundingBoard™ by AbleNet AAC app for iPhone, iPod Touch, and iPad - In just minutes, you can create custom communication boards using AbleNet symbols or your own photos for students with disabilities.

<u>Brain Go-</u> great app for categorical exclusion. Students must find "what does not belong" from a group of 5 bright photographs. \$2.99 for levels, can download one level for free.

<u>iRewardChart</u> (iPhone/iPodtouch native/iPad) - great app to reward students or your own kids, customize tasks and rewards for each student/child. There is a limited lite version that only supports 1 child and 4 tasks, full version costs \$3.99.

<u>WordWizard</u> (iPad) - great app that can be used for spelling, words, pronunciation for both words and sentences, word lists can be loaded into the app to help teachers with spelling lists

Scribblenauts Remix Universal - good for ages 6 to adult - younger with more help from adult) - originally a Nintendo DS game, this game is now for iOS and is great game to work on categorization/associations, adjectives, problem solving, and literacy skills (you have to write the word and adjectives to create objects to solve puzzles). You could work on early literacy skills (first/last sound, sound-letter correspondence, etc) with younger children. \$4.99

<u>Professor Garfield Fact or Opinion</u> (iPad, upper elementary, middle school) - Comic strip with some interactive to distinguish between fact and opinion. Focus .on how to decide if a website has useful information. FREE.

Zite -(lpad - requires internet access- high school to adult typically). Zite is a free app that would be great to assist with reading or listening comprehension. You can choose a topic (e.g. Travel) and a number of articles on the topic will be presented. Depending on what you open and how you rate the article, similar articles are presented. The quality of articles is excellent. FREE

<u>SR Naming</u> is an adult-focused interactive app for building receptive and expressive language and word finding skills. It was designed to aid adult clients (16 years and older) and may be used with or without the supervision of a Speech-Language Pathologist (SLP). The mobile application is compatible with Apple's iPhone, iPad and iTouch devices. \$39.99

Apps for use in Speech Language Pathology

Created September 15, 2010

Updated Jan 21,2011

Jennifer Davis

This is not an exhaustive list. I do not claim that all these apps are "great" as I do not own them all. This is just meant to be a list to show what's out there and available.

ARTICULATION:

SLP SLP	PocketSLP Articulation	flashcards targeting both the word and sentence levels .Pocket SLP offers 29 phoneme selections. Real time scoring occurs as the Correct, Incorrect, or Approximate buttons are selected	29.99	
SLP	SLPMobile Articulation	Flashcards – can sort by phoneme, mode of articulation, or phonological process targetedalso as data collection within app	29.99	
	Artikpix	Has picture cards that you can play matching withI'm not sure about sentence level.	29.99	
T	A twister Thistle	Tongue twister game	.99	
SLP	Spanish articulation probes	450 pictures can be divided by phoneme, mode of articulation, and phonological processes. Can keep track of data and print it later	29.99	
Intensive	Intensive /r/	450 /r/ words including prevocalic /r/, /r/ clusters, /rl/, /lr/, /ar/, /er/, /or/, etc. practice at word or phrase level	27.99	

SLP/ Articulation Test	Sunny Articulation Test	Screen or test (not standardized) phonemes and keep track of errors and types of errors	39.99
	Match2Say	Matching game which allows students to play a matching game with target speech souns.	34.99
	SLP field kit	8 interactive activities including: review, which	29.99
		phoneme, which word contains phoneme,	iTouch
SIP		beginning, middle or end, phoneme in both	
Field Kit		words, similar word contain phoneme, and	49.99 iPad
- Commission of the Commission		flipbook	

Assistive Tech- Communication

	iconverse	Very basic comm. Device 6 buttons	9.99	
MyTalk	My talk mobile	Augmentative communication. Pretty basic	39.99	
	Proloquo2go	Vocab of over 7000 items	189.99	

	iCommunicate	Creates pictures, flashcards, storyboards, and visual schedules includes 100+ pics but you can add your own	19.99 iPod 29.99 iPad
A. A.	I Can Speak- for iPAD only	Static and dynamic areas to use as a communication device appears to have over 80 buttons on a page	29.99
TapToTalk**	Tap to Talk	The app is free but only one communication board that cannot be altered comes with it. If you subscribe to their online site for 99.95 you can alter boards and customize it.	Free
"I Wanti"	Look2learn AAC	Comes with 80 preloaded pictures in 6 categories but holds up to 140.	24.99
Speak	Tap speak button:	Like a big mac switch You can store unlimited messages Unlimited time	9.99
Speak	Tapspeak sequence	*Only for iPad Store an unlimited number of sequenced messagesgood for nursery rhymes and stories	29.99
Speak 1	Speakit!	Text to speech	1.99

DRAGON	Dragon dictation	Speech to text	Free	
i feel i speak	ilnteract	Basic communication board with seven category choices (I want, I feel, foods, etc.)	8.99	

Voice/Volume meter

DECISELS +	Decibel Meter	Shows a visual of decibel level. Could be used for voice	1.99	
	Sound Levels	Shows approximate dB level of speech. It shows it in a digital number display along with max dB, Min dB, and avg dB.	.99	
dB	Noise Level	Gives dB level in numbers on a balloon which is green if it is normal or soft, yellow if it is getting too loud and red if it is too loud. Also gives examples of sound levels: 140 dB jet engine, 30dB soft whisper	.99	
Volume Meter	Volume Meter	Shows approximate dB level of speech. It shows it in a digital number display along with max dB, Min dB, and avg dB. Can calibrate for internal or external mic	.99	

	s/z ratio	Automatically calculates s/z ratio. Has an stopwatch built in	1.99	
S/Z		·		

Pragmatic communication/Social Skills

	Hidden Curriculum for Adolescents	Social tips for kids. Not really very interactive but explains the meaning behind social ideas	1.99
9	Hidden Curriculum for Kids	Social tips for kids. Not really very interactive but explains the meaning behind social ideas such as fairness	1.99
XX	Model Me Going Places	Social stories for going to the grocery store, mall, doctor, playground, restaurant, and hairdresser. Has pictures and words. Can't be changed.	Free
QUICKCUES BY FRASER	Quick Cues	Kind of like social stories. It gives quick tips on what to do and how to act in certain situations	4.99
	Look in my Eyes 2 Car mechanic	Students answer questions and the answers are flashed onto the eyes of a person in the photograph. Students earn points that they can cash in to make their own virtual world.	2.99

	Look into my eyes 1 Restaurant	Students answer questions and the answers are flashed onto the eyes of a person in the photograph. Students earn points that they can cash in to make their own virtual world.	2.99	
	Stories 2 Learn	Can build social stories- only has one preloaded though	13.99	
	Social skills	Can modify 6 social stories dealing with reciprocal play, task avoidance, turn taking, gestures, recess, and school rules	6.99	
	Eye contact toybox	Students answer questions and the answers are flashed onto the eyes of a person in the photograph. Students earn points that they can cash in to make their own virtual world.	2.99	
MienoExpression	Microexpression trainer* for iphone and ipad only	Helps improve recognition of microexpressionsin a quiz like format with facial expressions for seven different emotions	3.99	
A44	Everyday Social Skills	Videos that break down certain social situations and give steps to those situations in a video. Waiting in line, asking for directions, asking for information/help, joining a group are some examples of what is on this video	.99	
HELLO	Initiating social skills	Videos that break down certain social situations and give the steps in a video. This has videos related to giving directions, giving compliments, greet others/start conversations/give help, introduce self, ask for help, join others in groups, apologize/excuse self, make a complaint.	.99	

Communication Skills Videos that break down certain social situations in a video. Non-verbal communication, listening, speaking, and answering the door are some examples of what is on this video Responding Social Skills Videos that break down certain social situations and give steps to those situations in a video. Listen and respond to others, follow directions, handle criticism, understanding the feelings of others are some on this video Videos that break down certain social situations and give steps to those situations in a video. Take responsibility, be dependable, accept consequences, maintain hygiene are some examples of what is on this video Manners Videos that break down certain social situations and give steps to those situations in a video. Meeting/greeting people, giving help to others, asking for help, being thoughtful and considerate are some examples of what is on this video Social skill sampler Videos that break down certain social situations and give steps to those situations in a video. Meeting/greeting people, giving help to others, asking for help, being thoughtful and considerate are some examples of what is on this video Videos that break down certain social situations and give steps to those situations in a video. Meeting/greeting people, take responsibility, be polite and courteous, join others in groups, apologize/excuse self, follow directions, handle criticism iPrompts Social stories, picture schedules, visual timer, and choice prompts			Tage of the first section of	
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Stuttering/Fluency Apps

Fluency Tracker	Fluency Tracker	Has a place to track fluent and disfluent speech as well as feelings and avoidance behaviors that go along with disfluent speech	10.99	
SI	Disfluency Index Counter	Tracks percentage of stuttered words or syllables	9.99	

Vocabulary

(Proms)	JV idioms	Explains 150 idioms and gives examples of each	.99	
	idioms	700 idioms in question and answer format	2.99	
.0	LikeIt Sounds!	Teaches homonyms. Has great pictures	.99	

entanyms	Words- synonyms and antonyms	Very simple. A word is given and the student must tap on it's synonym or antonym depending on what you've choosen	.99
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Basic Facts Drills	This is a quiz like app which includes synonyms and antonyms as well as times tables, states and capitals, nations and capitals. You can review, do mix and match, or multiple choice	
Sort and Categoriza Camp FLAY Sound off	NL Concepts Autism: Sort & Categorize	Shows a picture and 4 categories. Student selects which category the picture belongs in.	free
	Clean up: Category sorting	Has student sort into 3 categories, toys, food, and clothes. Very basic.	free
KIDS	Quibble kids	Can have 2, 3 or 4 cubes. Students must turn the cubes to find four pictures in the same category.	1.99
	Preschool memory match	Good for very basic vocabulary. Just a basic memory game.	free
ABCDEFG HIJKLMN OPQRST UVWXYZ	ABA flash cards-alphabet	Flashcards with written name and spoken name	free
(4)	ABA flash cards- zoo animals	Flashcards with written name and spoken name	free

	ABA flash cards- actions	Flashcards with written name and spoken name	free
	ABA flash cards- fruits and nuts	Flashcards with written name and spoken name	free
	ABA flash cards- shapes	Flashcards with written name and spoken name	free
	ABA flash cards-vehicles	Flashcards with written name and spoken name	free
	ABA flash cards- things you eat	Flashcards with written name and spoken name	free
	ABA flash cards- things you play with	Flashcards with written name and spoken name	free
	ABA flash cards- things you wear	Flashcards with written name and spoken name	free
Alexander of the second	ABA flash cards- vegetables	Flashcards with written name and spoken name	free

	ABA flash cards-musical instruments	Flashcards with written name and spoken name	free
3	ABA flash cards- sports	Flashcards with written name and spoken name	free
3	ABA flash cards- emotions	Flashcards with written name and spoken name	free
LAS VEGAS	ABA flash cards-famous places	Flashcards with written name and spoken name	free
	ABA flash cards- Earth Sciences	Flashcards with written name and spoken name	free

LANGUAGE ACTIVITIES

7	Wh questions	300 wh questions allows for tracking of percentage after every 10 questions, includes who, what, how, where, and why	13.99	
Mobile Education Stroke Question BUILDER	Question builder	Students answer questions about pictures. 3 levels ranging from more concrete to more inferential. There is a Lite version for Free.	2.99	

Sentence BUILDER	Sentence builder	Students make sentences about the given picture using a scrolling system.	3.99
Mobile Education grows	Language Builder	Student record sentences about pictures. If they can't think of a sentence there is a hint button which gives a fill in the blank hint. The student can then listen to the sentence they produce. Sentences can be saved.	3.99
Story	Story buddy	Students create stories from scratch. They can create pictures by drawing them or importing images. The stories can be saved.	2.99
Mobile Education STORE STORY BUILDER	Story builder	Students record answers to questions about a series of 4 or 5 pictures. The student can then listen to the sentences all together which produce a story.	3.99
	Build a story iPad Only	Has 9 themes to start from and kids can create their own story. It includes characters to add to the story, speech bubbles, and accessories to add to the pages. Can save the story and access it later. Could be good for basic concepts as well. (move the characters and pictures around on the page)	1.99
Chaire Board Michie	ChoiceBoard Maker	Can make multiple choice questions with pictures on your iPad.	free
	365 preschool activities	Gives simple language based activities for parents to do with preschool aged children every day of the year	.99

	Toddler quiz flashcards	Asks students to Find theAllows student to choose from 4 pictures	.99
N.2	FlashGram	FlashGram contains over 100 grammar questions covering nouns, verbs, pronouns and adjectives. FlashGram is made up of short questions with touchable answers (no text input required).	.99
The second secon	iPractice verbs	Has 120 verbs in flashcard form. Students can shake their iPod to flip to next picture	10.99
	Speech with Milo-Verbs	Has an animated mouse which performs 100 actions.	2.99
	My sticker book	Move stickers around 6 different screenspossibly used for basic concepts like next to, above, below, behind	.99
	Clicky Sticky **iPad only	Move stickers around different screenshas a dress up section	1.99
In My Dreams	In My Dreams	Appears to be an interactive book which can be personalized with students photos, has sentences which also have signs paired with them	4.99

Name 3 Things	Name 3 things ABA problem solving	More for conversation than categoriesthe examples are "name the top 3 people you'd call in an emergency", "name 3 things you like to do on Sunday morning" and "name 3 things you'd do if tomorrow was your last day" Choose from 4 pictures to answer a question	.99
330	game-Healthy habits	related to healthy habits	
	ABA problem solving game- Which go together?	Choose from 4 pictures the two that go together	.99
	ABA problem solving game- What rhymes?	Choose from 4 the 2 that rhyme	.99
	ABA Problem solving game- Which does not belong?	Choose from 4 which 1 does not belong	.99
	ABA Receptive identification by function	Choose from 3 answers. Questions/directions relate to function	.99
	ABA Receptive identification by class	Choose from 3 answers. Questions/directions relate to class	.99

	ABA Receptive identification combined	Choose from 3 answers. Questions/directions relate to function, class, and feature	.99	
	ABA Receptive identification by feature	Choose from 3 answers. Questions/directions relate to feature	.99	
10 12 1 2 3 3 4 7 6 5 4	ABA Receptive identification	Choose from 3 answers. Auditory reception for basic vocabulary	.99	

SIGN (small sampling)

SIGNS BABY	Signs4baby	Communication in ASL	2.99	
	My smart hands baby sign language dictionary	Has 300 ASL signs that you can look up and even quiz yourself on. Has instructional videos on how to do each sign.	4.99	
	Baby Sign ASL	229 ASL baby signs . video of person doing signscan save favorites	4.99	

ORAL MOTOR

(As)	Small talk Oral Motor	Has videos of many different oral motor	.99	
	exercises	exercises		

MISC.

	Ididit!	Reward app that acts as a sticker chart to earn a reward. Not sure how many kids you can put on it	1.99
	ireward chart	Allows you to keep track of many students and the reward they are going for	2.99
	Talking Tom cat	Cat repeats what has been said in higher pitchstudents can also pet the cat and it will interact	free
	Talking Roby	Similar to Talking Tom Cat- Roby's voice is robotic and has different things he does	free
New bottle rocket	Voxie	Voice recorder can purchase transcription	1.99

	Flashcards deluxe	Make your own flashcardscan have pictures and soundsalso can use their site to download other flashcards that people have shared	3.99	
	percentally	Tally counter that automatically converts tallies to percentages	2.99	
SLP UPDATES	SLP Updates	This is an information resource for SLP news, information and research. The app consists of the following components: Top Tweets, SLP News, ASHA Twitter, ASHA Journals, ERIC, PUBMED, ASHA SIDs, ASHAsphere	.99	
CES ACROSS AND SECTION	Wheels on the Bus by Duck Duck Moose	Interactive song which has several verses and an interactive component on each page. Good for Pre-K	1.99	
NEW NEW	Old MacDonald by Duck Duck Moose	Interactive song which has several verses and an interactive component on each page. Good for Pre-K	1.99	
	Tic tac moo	Plays tic tac toe with a cow and a pig.	free	
	Draw with stars	Draw on the screen with stars. Good reinforce.	.99	

*****Prices subject to change