

with classroom staff on using applications (apps) in ways other than which they were intended fosters creative ways of using the devices for functional skills. For example, students can use StoryKit, an app for writing stories, to share information about the day's events with peers and family members or as conversation starters. For a listing of many other apps, see Table 2.

When integrating the devices into functional activities, students need instructions on how to set them up and enable access apps online. Prior to formal training, a preparatory session to explore the smartphone and tablet allows students to recognize that mistakes can happen and be corrected. During this time, practicing basic device navigation (such as pressing the on/off and volume buttons or sliding the screen to unlock the device or navigate pages) will build confidence.

In addition, student safety when using a device is of critical importance to parents and school officials. Restrictions, established via a password, can be set before giving the device to a student.

Occupation-based interventions are introduced by integrating the devices into daily tasks for each student's ITP. For example, during the calendar portion of morning work, a student can be shown how to access the calendars on whatever smart phone or tablet device he or she is using. Features on the device's calendar app, such as the alarm, can provide a student with a much effective way to better manage his or her time. In using preparatory methods, the clinician can review the specific skills needed to use each feature and/or application, followed by practice with students during meaningful occupations. As student performance is observed, adjustments to the application or the environment can then be made. For example, a student who had a tendency to select items in error by tapping the device with her thumb, for stabilization was provided with a protective case by the authors, which decreased errors. Throughout the intervention and re-evaluation process, clinical observation skills should be used to evaluate the tasks, the environment, and student abilities to maintain success in daily occupations. As with all assistive technology, issues of cost,

Table 2. Partial List of Applications

Application	Description	Occupational Therapy Domain
iPrompt**	Pictures are used to create sequences for prompting	Activities of daily living (ADLs), Instrumental ADLs (IADLs)
iInteract**	A basic text-communication tool	Communication, Social Participation
iComrn**	A basic symbol- and text-based communication tool	Communication, Social Participation
Brain Pop**	Lifelong learning is prompted through movies	Education, Leisure
Making Change**	Teaches how to make change	Education
Money Counting Calc**	Money skills or tool to count money when shopping	Education, Financial Management
Bread & Milk Classic**	Creates a grocery shopping list and estimated bill	IADLs
MSNBC.com**	Current events through videos and stories.	Work, Social Participation, Leisure
BigMe!—Ink Notepad & Alarms**	Quick color-coded handwritten or typed "Post-it" notes, reminders, and alarms	ADLs, IADLs, Work, Education, Leisure, Social Participation
Vocal Voice	A voice-reminder system	ADLs, IADLs,
Reminder**	allows for custom alert settings	Social Participation
Time Timer**	A visual timer allows user to see how much time is left in a task	ADLs, IADLs, Work, Education
Speak It Text to Speech**	Text to speech that can be used as a communication system	Communication, Education, Work, Social Participation
Facetime Communication	iPhone and iPod Touch feature that provides the ability to virtually communicate	Social Participation
Stories 2 Learn**	Personalized stories using photos, text, and audio messages	Social Participation, Education, Leisure
Story Kit**	Creates electronic storybooks using pictures, text, drawing, and audio recordings	Social Participation, Leisure, Education, Work, IADLs, ADLs
Pictello**	Similar to StoryKit, allowing more independence in creating journals and stories	Social Participation, Leisure, Education, Work, IADLs, ADLs
Penultimate*	Allows for notes, sketches, or sharing ideas	Education, Leisure, Social Participation
Autism News Reader**	Customizes the top stories from the best health news and information sites and delivers them to your device	Education, Leisure, Social Participation
Dragon Dictation**	Voice to text that converts speech to text. E-mail or place in any text document	Work, Education, Social Participation
Dragon Search**	Speak your search queries and get instant results	Work, Education, Social Participation
MemMatches	Classic card matching game	Leisure
iDress for Weather**	A picture-based tool to check the weather and determine what type of clothing is appropriate after checking in the virtual closet	ADLs
Living Safely**+	Home and personal safety lessons	ADLs, IADLs
Everyday Skills**+	Learning sessions regarding the community, personal skills, transition, and transportation	ADLs, IADLs, Education, Social Participation
Community Sidekick**+	Acts as a travel companion and will track the location of an individual and send e-mail messages with map links	Work, Leisure, Social Participation

Key: *iPad only. **All Apple operating system (iOS) devices. +Pricing may vary with device

Table 1. App Examples

App	Function	Cost*
Communication		
Voice4U	Includes a library of picture and voice prompts (for individuals with speech difficulties) Allows download of your own photos and audio prompts	\$29.99
Proloquo2Go	Full-feature augmentative and alternative communication solution Provides natural sounding, text-to-speech voices	\$189.99
iCommunicate	Offers preloaded pictures and storyboards or routines (e.g., schedules) that facilitate language comprehension	\$34.99
Speak it!	Copy or type text for text-to-speech voices Uses natural sounding voices	\$1.99
Behavior		
iReward	Behavioral management reward system Allows you to post a picture of a reward and give stars for behaviors that will win the reward	\$4.99
ABC Data	Data collection tool for counting behavior by simple tallies or percentages, recording the session duration, and e-mailing the data	\$4.99
Aids for Daily Living		
Picture Scheduler	Task organizer—attach photo, video, or audio to reminder message	\$2.99
Grocery IQ	Make shopping lists, aisle by aisle, with mini-lists for usual and unusual purchases Ability to scan bar codes with mobile camera	\$.99
iPrompts	Create picture-and-text task sequences for multistep activities, create choice sets and activity schedules	\$49.99
My Med Schedule	Web-based application that sends text alarms as reminders for taking medications	free
iDress for Weather	Provides images of clothing and weather conditions daily Clearly displays the daily temperature (daily highs and lows) Ability to customize the closet using personalized images or photos	\$1.99
School		
Stories2learn	Create personalized social stories using photos, texts, and audio messages	\$13.99
Math Magic	Addition, subtraction, multiplication, and division with visual supports, solution choices, reinforcers, and rewards (star system)	\$0.99
myHomework	Allows students to keep track of their homework, classes, projects, and tests	free
Awesomenote	Notetaking application and to-do manager	\$3.99
Other		
Nav4All	Navigation system for driving or walking (mobile phone navigation) Tracking and tracing feature available (allows viewing of vehicle movements)	free
iCounselor: OCD	Rate the frequency and strength of obsessive-compulsive disorder thoughts on a color-coded scale Choose 1/10 calming activities then 1/10 ways to change those thoughts	\$0.99

*Apps and prices are subject to change.

While this article focuses primarily on Apple products, there are many devices on the market that are compatible with the apps presented above.