Switch Scanning Resources: Games and Activities

Note: *A switch interface is required to connect a switch or switches to a computer or iPad. Switch interfaces vary by the number of switches that can be plugged in, whether or not software installation is required, and the extent to which the switch ports can be programmed to emulate computer or mouse functions. Some common options are listed below.*

Switch Interfaces for iPads:
Zyrobotics-www.zyrobotics.com/product/tabaccess/
Inclusive Technologies – iclick and APPLicator switch Interfaces for iPad-
www.inclusivetlc.com
RJ Cooper – Bluetooth Switch Interface for iPad - www.rjcooper.com
Ablenet Blue2 Bluetooth Switch for iPad- www.ablenetinc.com
Orin Instruments-Tapio- http://www.orin.com/access/tapio/ *Tapio is a native USB switch interface that can be connected to an Apple iOS Device using an Apple USB adapter*

Switch Interfaces for Computers:
AMDI – USB Switch Box - http://www.amdi.net/
Don Johnston – Switch Interface Pro - http://www.donjohnston.com/
Origin Instruments – Swifty - www.orin.com
Crick Software – Crick USB Switch Box - www.cricksoft.com
Enablemart – USB Switch Interface - www.enablemart.com

iPad Games (with scanning accessible features):

1) <u>Creative Communicating Adapted Play Books</u>: Contains the following accessibility features: Auditory preview, single switch auto scan, two switch scan, tap and double tap scan, touch sensitivity controls
2) <u>Inclusive Technology Ltd (Also known as Help Kidz Learn)</u>: Nice variety of games to pick from, all with single and two switch scan capabilities. This company frequently adds new choices so keep checking their selections in the app store.
3) <u>RJ Cooper & Associates</u>:
   a. <u>Scan-A-Word:</u> Targets letter, spelling and word recognition with an errorless learning method. Built in Scanning capabilities and special feedback available for blind learners.
   b. <u>RadSounds:</u> Customizable ause/effect music that can be controlled by a single switch. Length and type of of music bit can also be controlled.
4) <u>Computerade Products Catch the Cow </u>: Targets single switch auto scanning only, no two switch skill training. An assessment tool. Level of difficulty can be gradually increased to select picture from multiple rows and columns.

5) <u>Switch Accessible Puzzles</u>: Switch Accessible Puzzles is an exciting 3D puzzle matching app modeled after the popular wooden puzzles with cutouts. The user is presented with a board that can be customized to have 2, 3, 4, or 5 cutouts in it. Pieces are placed using either switches with various scanning methods, drag and drop, or just touching a cutout. Unlike other apps of this type, the puzzle pieces and board are large and the screen is not cluttered with distractions.

6) <u>KneeBouncers</u> : Over 40 Switch Accessible Games from children ages 6 months-4 years. Great music and very educational. You can download the app from the iTunes store for FREE. It comes with 5 completely free games. Add the other 40 games to the app for just $10.99.

<u>Computer Based Switch Training Games:</u>

www.helpkidzlearn.com
HelpKidzLearn is a collection of free and/or yearly subscription software for young children and those with learning difficulties to play online. The software is split into five sections:

• Early Years
• Games and Quizzes
• Stories and Songs
• Creative Play
• Find Out About

Be sure to adjust the settings on each game for single vs. two switch scanning depending on which method you are trying to train.

www.judylynn.com
A website designed specifically for switch scanning practice. You are able to download any of the programs and trial them 10-20x before needing to pay for the software. $39 cost for a single user, classroom packages also available. The "animated toys" download is one of our favorites.

I listed below the Judy Lynn programs that can be used with 2 switches and functionality of the switches:

"Learning Two Switch Step Scanning" teaches a student to use 2 switches to learn how to step scan: http://www.judylynn.com/prog_desc.php?PROG_NUM=553

The following programs can be set up to use 2 switches for step scanning where one switch steps through choices and the second switch selects.

Pick & Choose http://www.judylynn.com/prog_desc.php?PROG_NUM=405

Wheel of Sounds http://www.judylynn.com/prog_desc.php?PROG_NUM=219

Cause & Effect Amusement Park
http://www.judylynn.com/prog_desc.php?PROG_NUM=278

Scan & Paint http://www.judylynn.com/prog_desc.php?PROG_NUM=302

Virtual Motor Skills http://www.judylynn.com/prog_desc.php?PROG_NUM=630

Match Maker plus Quiz Creator
http://www.judylynn.com/prog_desc.php?PROG_NUM=675

In Sequence - Daily Living Skills
http://www.judylynn.com/prog_desc.php?PROG_NUM=801

In Sequence - Illustrated Stories
http://www.judylynn.com/prog_desc.php?PROG_NUM=802

Listen & Respond – Standard & Professional
http://www.judylynn.com/prog_desc.php?PROG_NUM=888

"Paddle Pong" is modeled after the classic "pong" game where two switches will control a paddle. One switch will move the paddle up and the second switch will move the paddle down. If the other player is a switch user, 2 more switches can be added to control the other paddle. A touch window, mouse, or keyboard can also be used for either paddle. The program description can be viewed by clicking on the following link: http://www.judylynn.com/prog_desc.php?PROG_NUM=701

http://www.oneswitch.org.uk Filled with games for older kids along with instructions for adapting regular video games. Also a resource of fun ideas and 'assistive technology' aimed at moderate to severely learning/physically disabled people. Check out their "library", which provides links to over 100 free switch games for download. Lots of great links to switches and there are also adapted toys for sale here.

www.priorywoods.middlesbrough.sch.uk/
Click on "resources" to find adapted books, song and sound clips, and downloadable games all for teaching switch skills.

http://www.northerngrid.org/resources/senswitcher/index.htm
Really cool...several levels of switch activations with animated shapes, music (online…no download)
Level 1: experiential (patterns or objects with music)

Level 2: 1 press (patterns or objects with music)
Level 3: 3 press (patterns or objects with music)
Level 4: 5 press (linear patterns, tunneling patterns, scenes that build up)
Level 5: Pop up (must click when shape appears with or without sound, can adjust length)
Level 6: Targeting (must click when shape enters target area, adjust for speed)
Level 7: Scanning (choice of two shape/object, then choice of 2 empty + 1 bomb, adjust for speed)

http://www.arcess.com/
Adapted computer games for young children and teens. Free trial available, but eventual purchase required.

http://glenallen-sch.vic.edu.au/downloads
A nice collection of freeware downloadable switch activities, created by Glenallen Schools. Most are very basic (clicking switch=firework exploding), but a nice place to start for early switch skills.

http://fullmeasure.co.uk/TouchCD/
Here is a link for a free CD player that folks can download onto their computer or ECO AAC device. You install it, put in a music CD and hit a switch or space bar and the CD will play. Hit it again and the CD will stop. It is a nice easy way to listen to music.

http://tarheelreader.org/#..
FREE! Use your switch to read the books they've made or you can have mom/dad/teacher help you author your own books!

http://www.hiyah.net/software.html
Offers a large collection of power point slide shows that allow a single switch user to click through at their own pace to advance to the next slide.

http://www.kneebouncers.com/
Great selection of colorful, musical games for younger children. Designed for timed, single switch users and the speed can be adjusted on most games. You are able to play free for a month and then there is a subscription cost.

Simple Two Switch Memory/Matching Card Games
Bug Memory: http://www.sadlier-oxford.com/phonics/pre_k/bugcards.htm
Fruit Memory: http://www.sadlier-oxford.com/phonics/pre_k/fruitcards.htm
Space Memory: http://www.sadlier-oxford.com/phonics/pre_k/skycards.htm

http://www.idiombox.com/oneswitch/Bullseye%21.swf
Use a single switch to aim a dart and send it towards a dartboard. FREE.

http://www.bbc.co.uk/cbeebies/

A wonderful collection of online games that can be used with a single switch simply by pressing "S" and choosing switch input in the settings area. FREE.

http://www.mothergoose.com/Games/jack_be_nimble.htm

Fun and easy single switch games featuring favorite childhood characters. Use a switch to help Jack jump over his candlesticks or make the cow jump over the moon. FREE.

https://hwb.wales.gov.uk/cms/hwbcontent/Shared%20Documents/vtc/ngfl/sen/switch_wheelchair/level1_wc/switch_wheelchairl1.html

Coloring pages adapted for single switch access. Choose the picture you wish to color, the part of the picture you wish to color, and choose between six colors all with a switch. FREE.

http://www.shinylearning.co.uk/freegames/

Single and two switch games, several which are available to play FREE online. You can purchase a complete collection for home or school use, as well.

Online Switch Games for Kids with Special Needs- Facebook Page- https://www.facebook.com/pages/Online-Switch-Games-for-Special-Needs-Kids/218717558159250

Don't forget! There are many popular kid friendly websites, such as Nickelodeon, PBS Kids, and Disney that are filled with songs and videos featuring current cartoon and movie characters. Many of these can be started and stopped with a single switch click if you place the mouse curser in the right spot for the user. Try this link for a wonderful, free collection of adapted books and songs that can be stopped and started simply by placing the mouse over the STOP/PLAY buttons and allowing the switch user to control the song or book themself: http://www.sillybooks.net/Catalog.htm