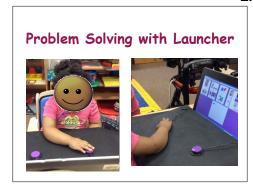
Switch Access Beyond Cause and Effect: Stepping Stones for Effective Learning  Linda Burkhart Independent Consultant Independent Consultant Independent Consultant/Content Developer Independent Consultant/Content Developer Infquinn@srt.com	1	
Switch Access Beyond Cause and Effect: Stepping Stones for Effective Learning Part 3  Moving from two switches, two functions to learning to step- scan (failure-free with feedback)	2	
Physical Challenges that limit direct select access to a computer display      Frequently other multiple challenges such as: CVI, Complex Communication Needs, Auditory Processing challenges, cognition, learning differences, previous experiences, etc.      Individuals who need multiple access methods due to physical position, fatigue, environmental factors, strategic competencies, and preference	3	
Two Switch Step Scanning  Some Kids Just "Get it"  Other Kids Need to Learn it  Kids who understand the concept of Step Scanning, skip Stepping Stone #4 and move on to Stepping Stone #5	4	
Stepping Stone 4: Learning to Two Switch Step Scan: Move, Move, Get  • For children who do not cognitively understand how step scanning works (some children may skip this step) • One switch becomes a "mover"	5	

### Switch Access Beyond Cause and Effect: Stepping Stones for Effective Learning Part 3

Linda Burkhart and Fio Quinn Step 4: Move, Move Get or Learning to Two Switch Step Scan <u>Technology Features:</u> Two switches but only one switch is active at a time. Switch 1 moves an item along a path. Switch 2 is not active. Each switch activation moves the item closer to the end of the path. Once the item arrives at destination, the first switch ignores the input while the second switch becomes active and selects the item at the end of the path. 7 Learning Two Switch Step Scanning - Lesson 4 & Step Scanning App (Judy Lynn) 8 Mind Express Steps Before Step Scanning (Burkhart) 9 Two Switches to Success (Mind Express) Move, move, get 10 Switch Skills for Two Set 2 (Inclusive TLC)

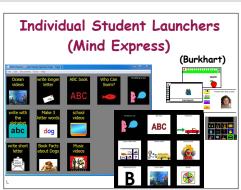
also some on helpkidzlearn.com

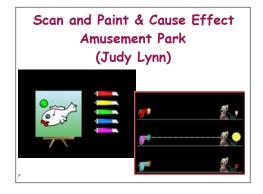
Step 5: Two Switch Step Scan - Failure Free  Create using many different switch accessible software and Apps that allow you to make pages that branch to other pages. For example: Mind Express, Clicker, Boardmaker Plus, Boardmaker Studio, Communicator, Go'Talk Now, Grid, Compass, Whatever software/app you might have access to, etc.	11 - -	
No "Right" or "Wrong" Answers  - Just a "Playground" to Explore with  Good Strategic Feedback for the  Child's Selections	12	
CAUTION: Some People Have Redefined "Errorless Learning"	13	
CAUTION: Some People Have Redefined "Errorless Learning"  We are now using: "Failure Free with Feedback" (Karen Erickson)	14	
Step 5: Two Switch Step Scanning - Failure Free with Feedback  Technology Features: Scanning does not begin until the individual activates switch  1. Activation of the first switch immediately interrupts any sound, animation or auditory cue and highlights the next item in the array. Switch must be released and reactivated to move to the next item. The second switch selects the highlighted item.  Launcher features highly desired.	15	



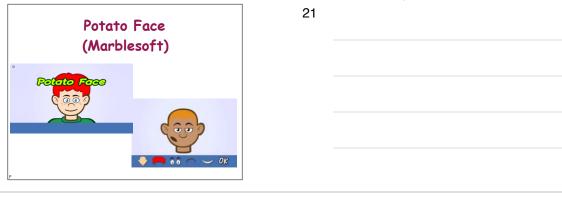
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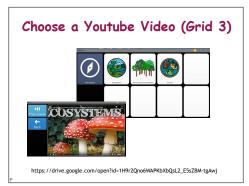








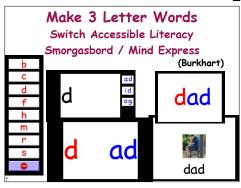




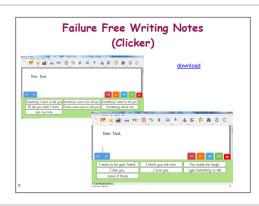


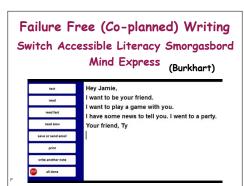


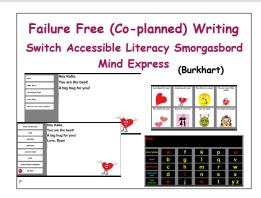




26			







	•	olanned) Writing
Swite	ch Accessible Lite Mind Ex	eracy Smorgasbord press (Burkhart)
The state of the s	What Not to Wear! What some students are wearing these days would make your head spin! Some kids have more holes than fabric in their jeans. Briggs Briggs make us have to wear sun	What Not to Wear! What some students are wearing these days would make your head spin! Some kids have more holes than fabric in their jeans. Bright colors are great, but don't make us have to wear sun glasses! Could you use some fashion advice? Worry no longer, the fashion police are here to help! Remember, someone will be watching! Article written by (name)



Step 6: Two Switch Step
Scan for Clear Choices:

#### Technology Features:

Same as step 5 plus ability to have some cells scanned with only a sound or 'nope', 'more', etc. and then have a big effect for target selection: video, song, animation, etc.

32

Scan to target to play video
Switch Accessible Literacy Smorgasbord
Mind Express (Burkhart)

33

Scan to target to play video

Made with Grid Software

Note: in order for the play button to change location in the scan, use multiple pages with the play button in different positions. This simulates the random function

Make sure blank buttons are visible. Use an action like play a silent recorded sound.

34

Step 7: Practice for Increasing Accuracy
with Two Switch Step Scanning

Some activities have correct and incorrect options, but
also have good feedback for incorrect items
(Child is still exploring without data being collected)

5

What starts with the letter
HY

Simple Powerful Page Set
(PODD)

Linda Burkhart and Fio Quinn 36 Step 7: Practice for Increasing Accuracy with Two Switch Step Scanning **Technology Features:** Same as step 5 plus more specific content with clear feedback. Different selections have very different results. Cognitive load is still kept relatively simple. 37 Boardmaker Studio Multiple Choice Stop What can you smell with? 38 Write about a Picture Switch Accessible Literacy Smorgasbord Mind Express (Burkhart) 39 Commercially available activities that require correct answers may be introduced •Use a launcher so the individual can choose to use these or not • Mix in activities that are failure free (stepping stone 5) Ţ 🗿 🗪 •Use activities with simpler cognitive load mak 1 ? (CC) • Provide strategic feedback if possible (instead of just "wrong") 4 🧏 🛰 Step 8: Automaticity Two Switch Step 40 Scan Reducing Time for Success The child has now developed automaticity with switch access and they can focus on content and not just on activating the switches (Now, some individuals will be able to use automatic scanning)



#### Thanks for attending!

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Please see separate handout for resources

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