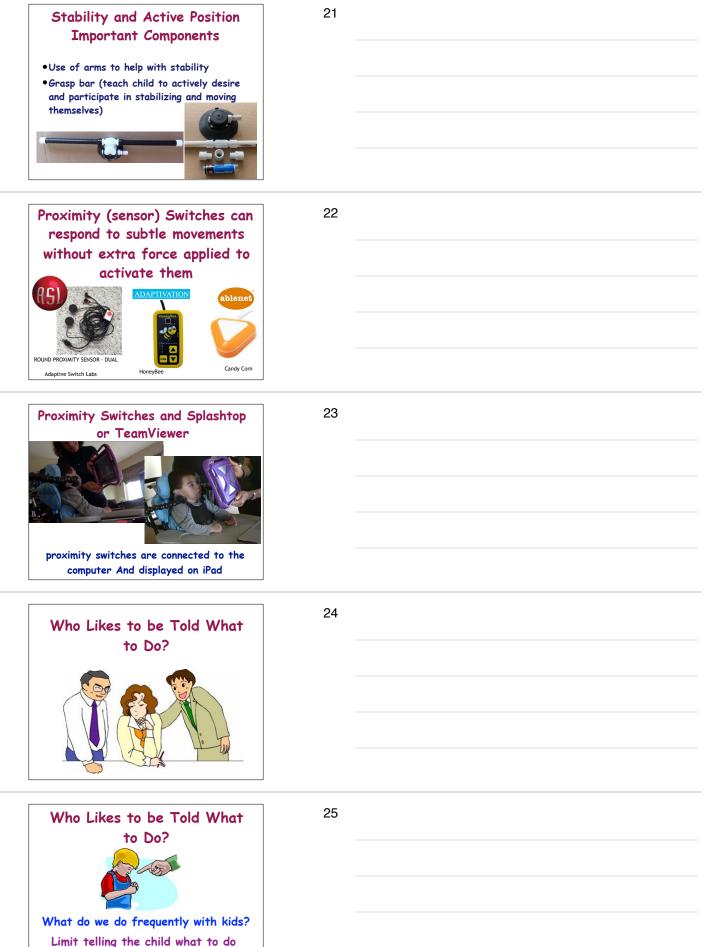
Switch Access Beyond Cause and Effect: Stepping Stones for Effective Learning Linda Burkhart Independent Consultant Independent Consultant/Content Developer mfquinn@srt.com	1	
Switch Access	2	
• Do you work with learners who are stuck at the cause and effect level? (yes, no, not sure)		
Which Kids?	3	
 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		
Misconceptions about use of Switches	4	
 The term "cause and effect" is applied too broadly Children often have a "cause and effect" goal for many years without mastering it or moving on Many people think that cause and effect can be taught through prompting 		
 Automatic Scanning is often seen as the next step, which is a huge jump from "cause and effect" 		
• Many people think that that using one switch is easier than using 2 switches		
There is more to using switches than getting a child to "hit the switch"	5	

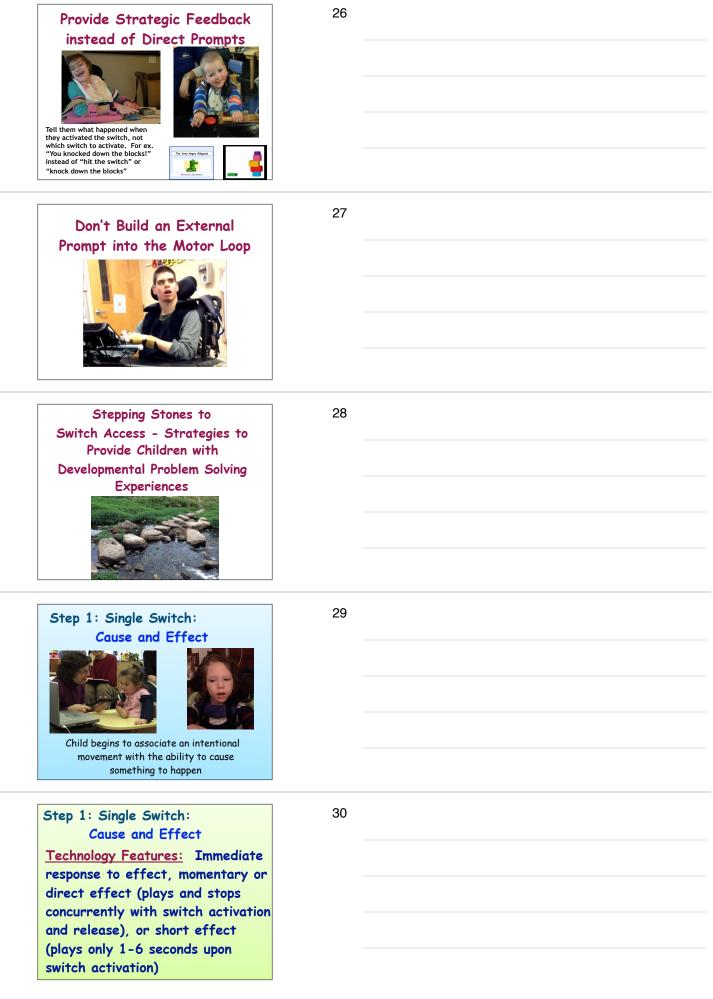
Going on a Switch Hunt?	6	
Going on a Switch Hunt?	7	
Myth: "We just have to find the perfect switch placement."	8	
Reality: We have to find some good possible switch placements and provide opportunities for the child to learn how to use them.	9	
Its <u>Not</u> About Finding the "Perfect Switch Site"	10	

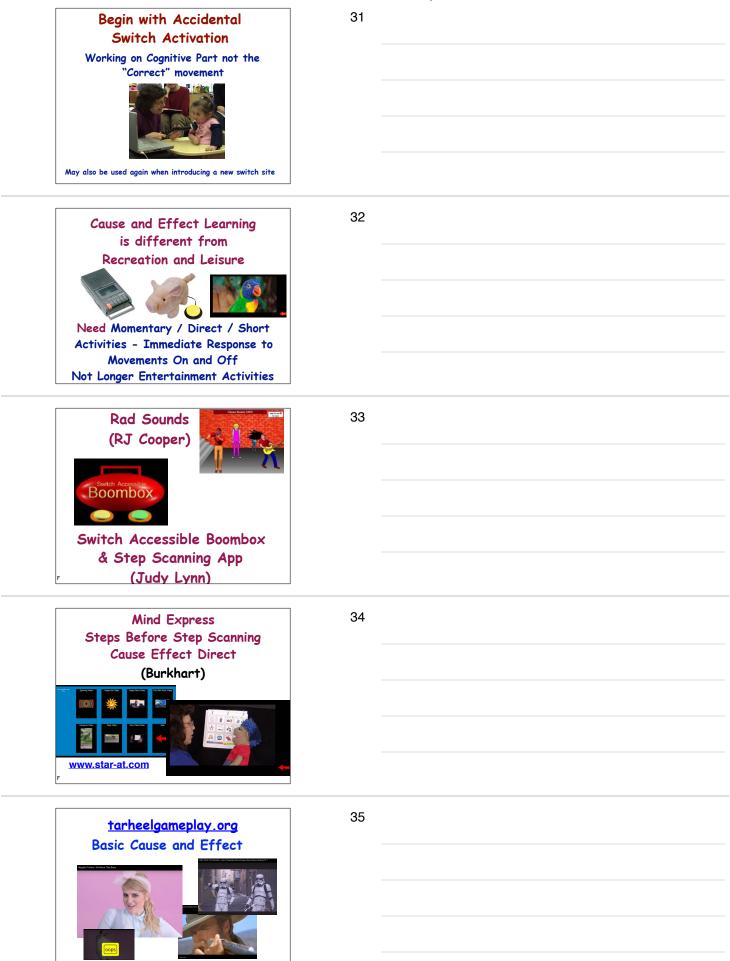
Its <u>Not</u> About Finding the "Perfect Switch Site" Its About Finding the Best Switch Site <u>s</u> to <u>Learn to Use</u>	11	
So How Do You Teach Switch Access?	12	
What Does Research Say About Learning a Motor Task? • Initiation of intent must come from within the child • Problem solving opportunities for trial and error • Practice and repetition with a purpose • Thousands of repetitions with variation	13	
Developing Automaticity takes practice: Thousands of Repetitions with	14	
Developing Automaticity takes practice: Thousands of Repetitions with <u>Intent</u> ,	15	

Developing Automaticity takes practice: Thousands of Repetitions with <u>Intent</u> , <u>Purpose</u> ,	16		
Developing Automaticity takes practice: Thousands of Repetitions with <u>Intent</u> , <u>Purpose</u> , and <u>Variation</u>	17		
Motivation Provides Intent	18		
Natural Context Provides <u>Purpose</u> and <u>Variation</u>	19		
Stability and Active Position Important Components •Active weight bearing on pelvis •Upright and sometimes moving forward slightly •Learning to actively tilt, rotate and/or shift weight - even if only slightly •Control often begins at the head when body is actively engaged with gravity	20		



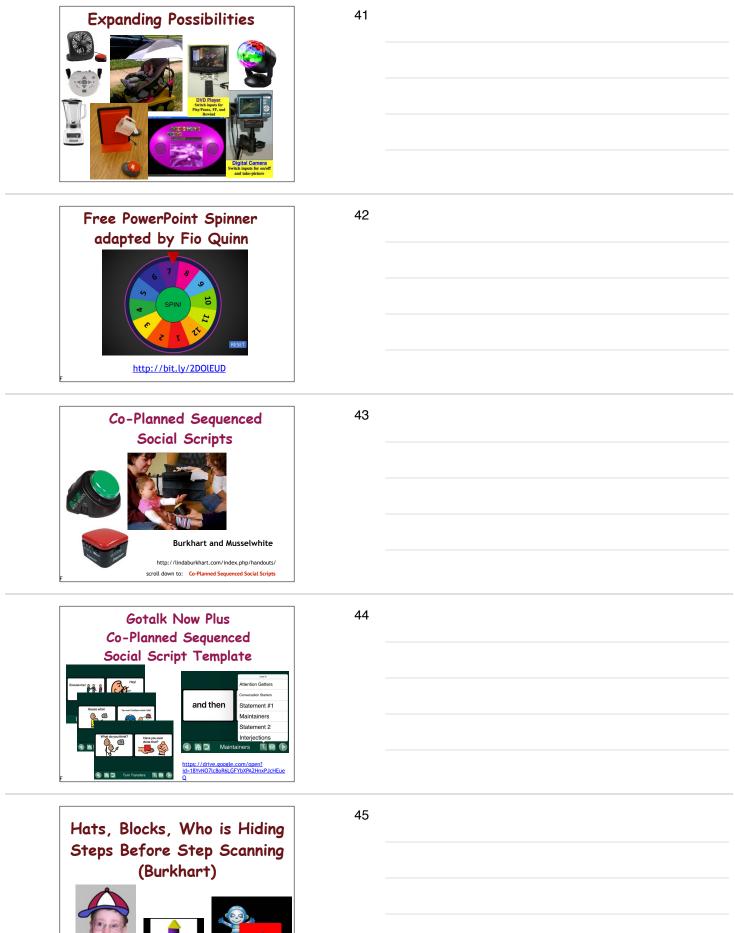
Let them explore and figure it out!





https://tarheelgameplay.org/2017/07/13/meghan-trainor-simple/

Step 2: Single Switch: Multiple Locations Multiple FunctionsWitiple Functions </th <th>36</th> <th></th>	36	
Step 2: Single Switch: Multiple Locations / Multiple Functions <u>Technology Features:</u> Immediate response for short effect upon	37	
switch activation Single Switch - Multiple Locations	38	
 Create little problems to solve to work out what does this do? How can I use it? Try different switch sites - beginning with direct or momentary activation Not to find "perfect" switch site, but find possible sites to learn to use 		
Single Switch - Multiple Functions Battery Operated Devices with a Purpose or Function!	39	
Give Switch Toys a Purpose	40	



Let the child explore and provide strategic feedback	46	
Step 3: Two Switches / Two Functions	47	
Step 3: Two Switches Two Functions <u>Technology Features:</u> Immediate effect for switch activation. <u>Second switch interrupts first</u> <u>effect.</u>	48	
Move to two switches two functions as quickly as possible	49	
A Reason to Problem-Solve "Throw it to me!" Wake the Penguin kick the ball Make the Penguin kick the ball	50	

Make the Pig knock down the blocks

