

for significant contributions to this presentation

In addition, special thanks to Eric Perez, Personal Trainer and Jordan Semevolos, Personal Trainer for contributions to this presentation





Conversation

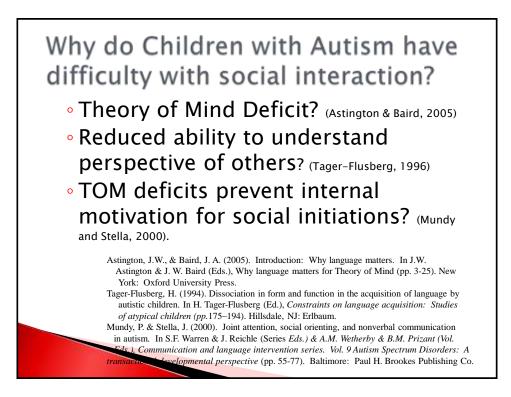
 A conversation is <u>communication</u> between multiple people. It is a <u>social skill</u> that is not difficult for most individuals. For a successful conversation, the partners must achieve a workable balance of contributions. A successful conversation includes mutually interesting connections between the speakers or things that the speakers know.

Speech ≠ Conversation

- Many parents and teachers know from experience that teaching children with autism to talk is no guarantee that they will engage in conversation (McClannahan & Krantz, 2005).
- Many children with autism will learn to request and they will learn to respond to the directions of others, but will lack the ability to engage in reciprocal conversations

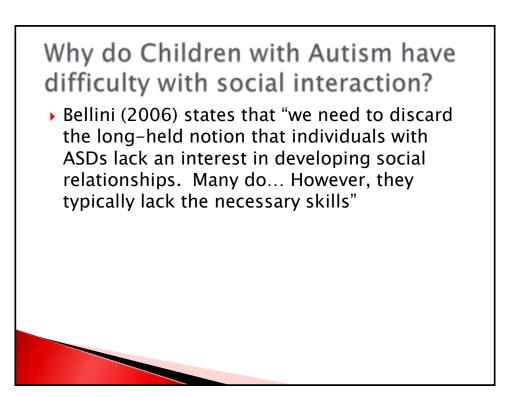
McClannahan, L. E. & Krantz, P. J. (2005). Teaching Conversation to Children with Autism: Scripts and Script Fading. Bethesda, Maryland: Woodbine House. "Communication for social interaction requires a <u>fundamental desire to interact</u> with others and <u>obtain new</u> <u>information</u> and perspectives" Mirenda, p. 248.

> Mirenda, P. & Iacono, T. (2009). Autism Spectrum Disorders and AAC. Baltimore, Maryland: Paul H. Brookes Publishing Company.



Why do Children with Autism have difficulty with social interaction?

- Sharing attention with adults is less reinforcing? (Stone, Ousley, Yoder, Hogan, & Hepburn, 1997) Request items, but not social interaction.
- Limited visual cues? Quill 1997 hypothesized that social contexts lack visual cues and children with ASDs are unable to extract relevant information in the absence of visual cues.



Why do Children with Autism have difficulty with social interaction? "The difficult part is to try to disentangle the notion that emotional empathy merely gives you motivation, a reason to talk to somebody, versus an absolutely critical role in the emergence of language" Ramachandran suspects it's the latter because empathy is what allows people to understand the intention behind an action or a phrase.







The National Autism Center's and National Standards Project 2015 Findings and Conclusions ADDRESSING THE NEED FOR EVIDENCE BASED PRACTICE GUIDELINES FOR AUTISM SPECTRUM DISORDERS

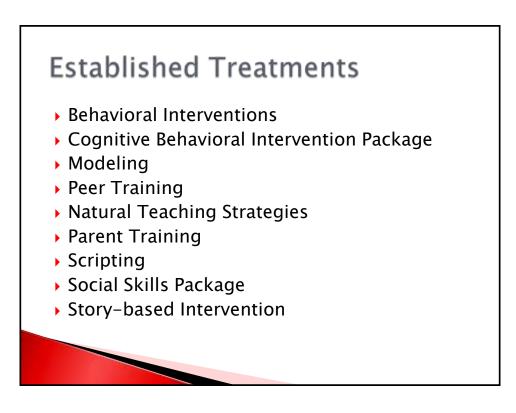
NAC PROJECT

Goals:

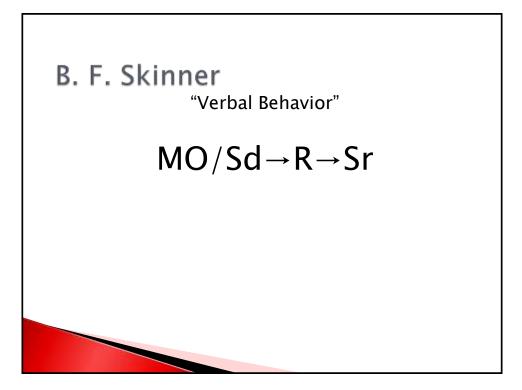
- To provide an update to the previous project, NSP1, published as the National Standards Report in 2009. Specifically, NSP2 reviews peer-reviewed intervention outcome studies for children/adolescents/young adults with autism spectrum disorder (ASD) since the publication of NSP1. The dates of peer-reviewed studies range from 2007 to 2012.
- To extend the review of intervention outcome literature to include adults (22 years and older) with ASD.
- To incorporate relevant feedback received regarding NSP1 categorization. The NSP2 report is intended to be more specific than the NSP1 report regarding the interventions it identifies as beneficial.
- To assist parents, caregivers, educators, and service providers in understanding how to integrate evidence-based interventions into a well-rounded, individualized educational or behavioral program.

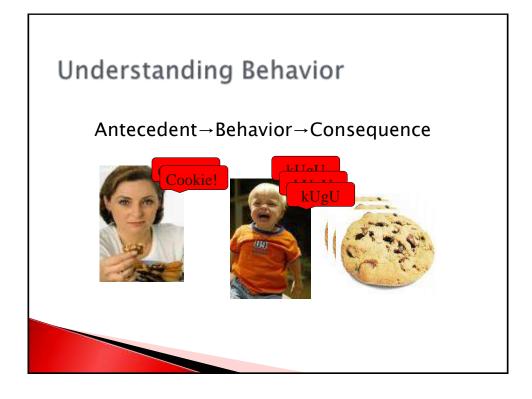
http://www.nationalautismcenter.org/resources/

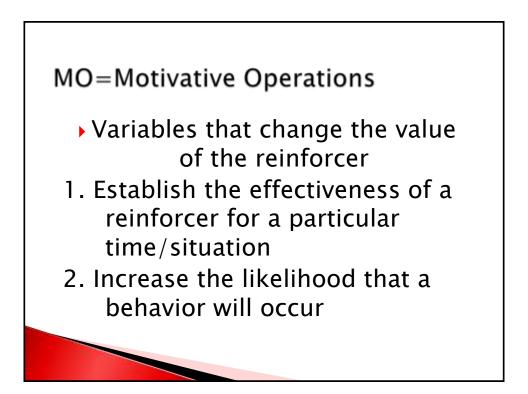


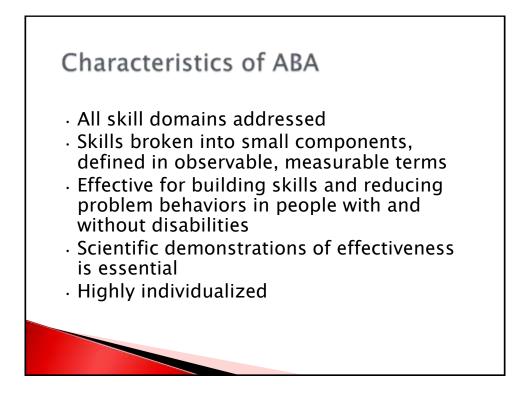


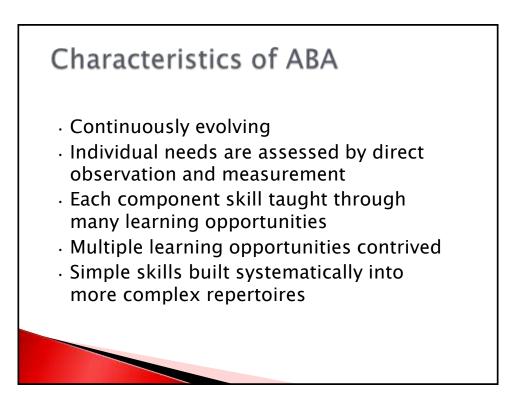


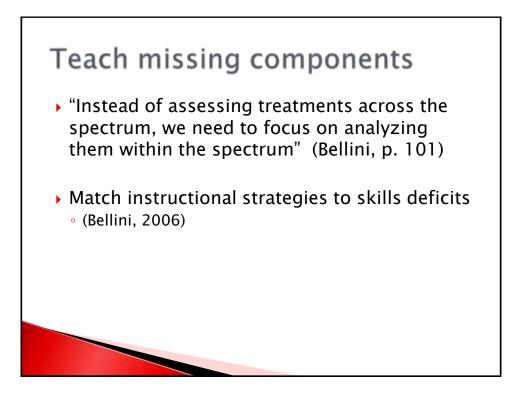




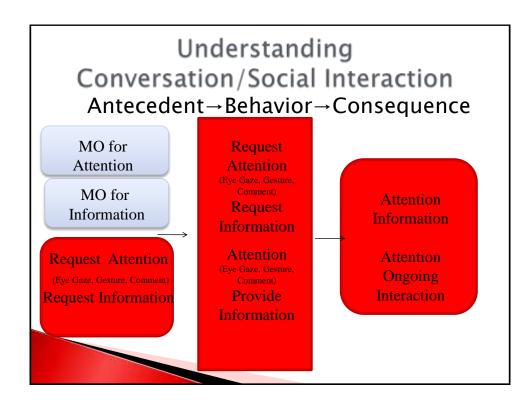




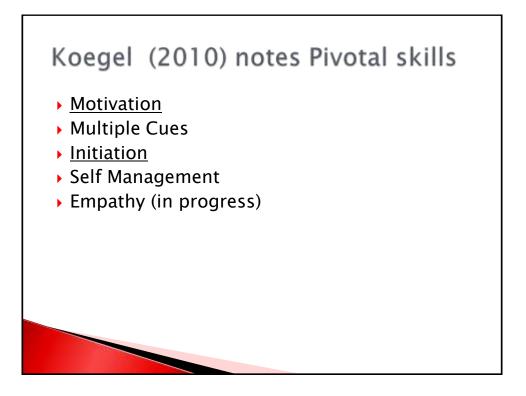


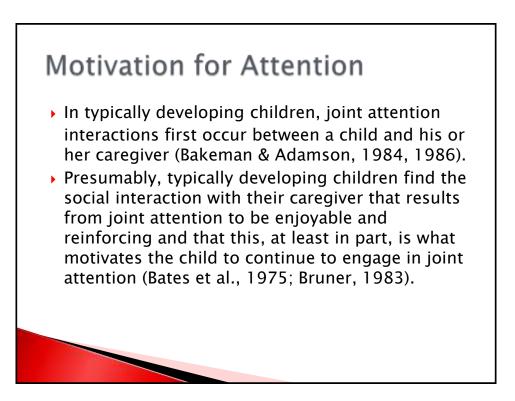










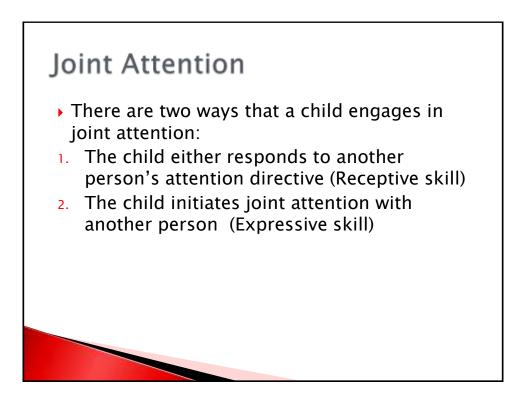


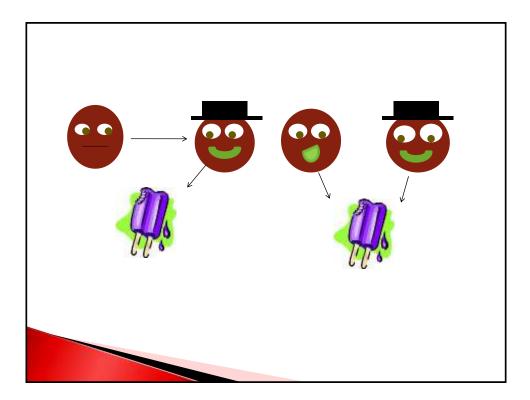
Joint Attention

 Jones and Carr (2004)—Joint attention is an early developing social skills in which two people (usually a young child and an adult) use gesture and gaze to share attention with respect to interesting objects or events.
 Impairment in development of joint attention discriminates 80–90% of children with autism from those with other disabilities and it is important to develop this skill in early intervention efforts.

Joint Attention

 The important role that joint attention plays... skill often facilitate successful outcomes in children with autism (Drasgow and Halle, 1995; Durand, 1990).

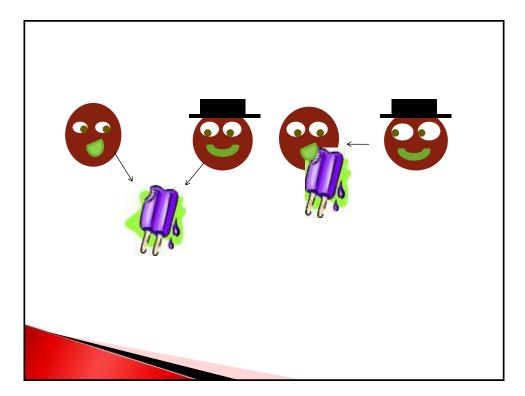


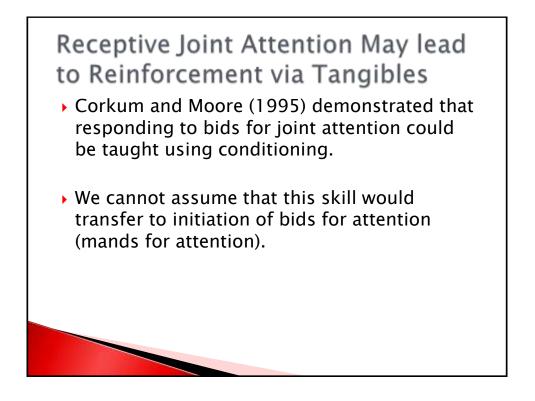


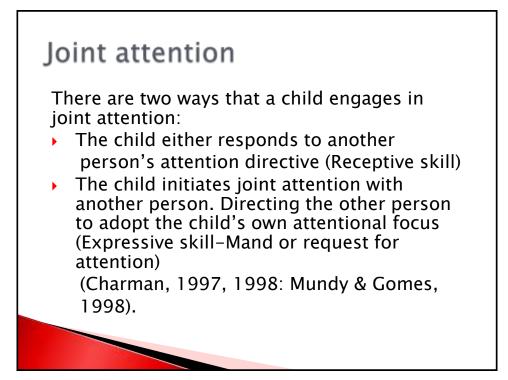
Receptive Joint Attention May lead to Reinforcement via Tangibles

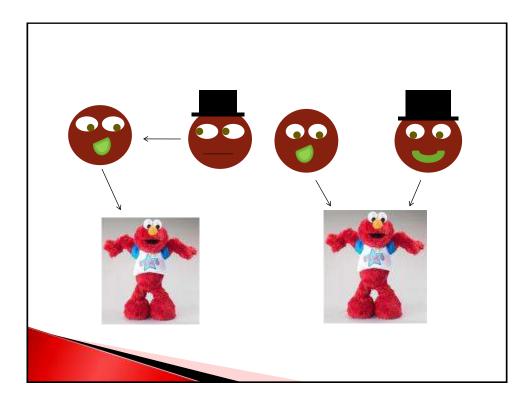
 When a child responds to other's bids for joint attention, he or she may have learned that looking where someone else is looking might likely be followed by reinforcing objects and events (Corkum and Moore, 1995, 1998; Matsuda & Omori, 2001; Moore & Corkum, 1994).

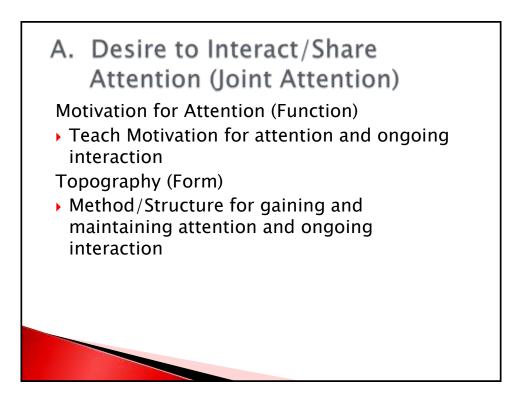
Corkum, V., & Moore, C. (1995). Development of joint visual attention in infants. In C. Moore & P. J. Dunham (Eds.), *Joint attention: Its origins and role in development* (pp. 61–84). Hillsdale, NJ: Erlbaum.







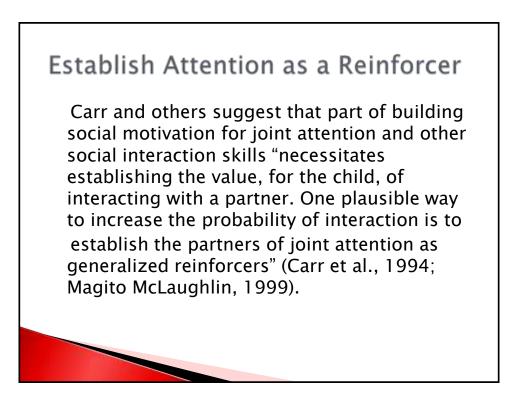


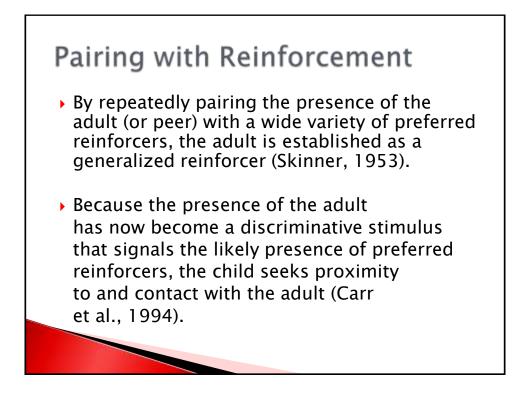


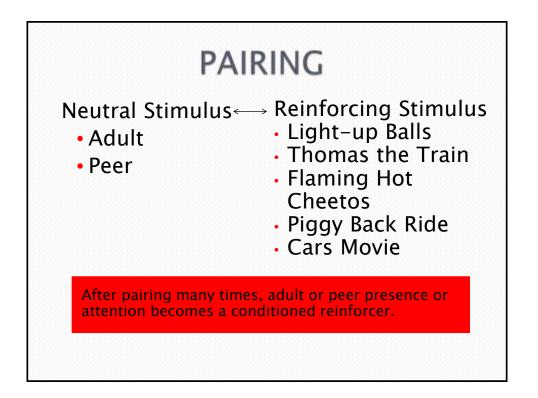
What are the necessary skill?

Dawson, Meltzoff, Osterling, Rinaldi, and Brown (1998) pointed out that "unless children with autism are taught that social stimuli are interesting, rewarding, and meaningful, they may not be as likely to acquire more complex communicative or social skills" (p. 484).

> Dawson, G., Meltzoff, A. N., Osterling, J., Rinaldi, J., & Brown, E. (1998). Children with autism fail to orient to naturally occurring social stimuli. *Journal of Autism and Developmental Disorders*, 28, 479–485.





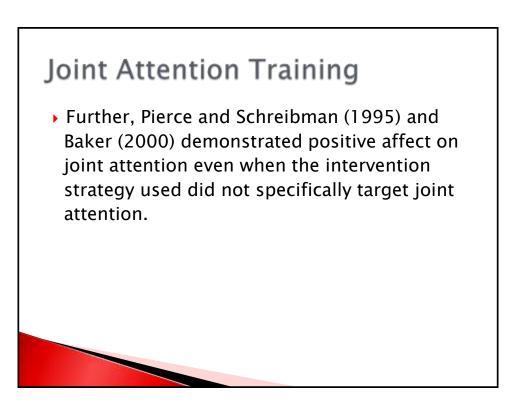


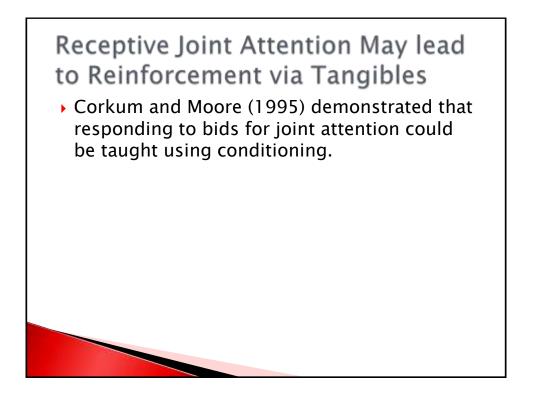


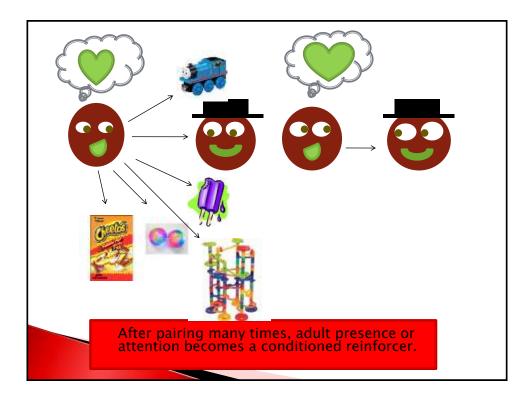


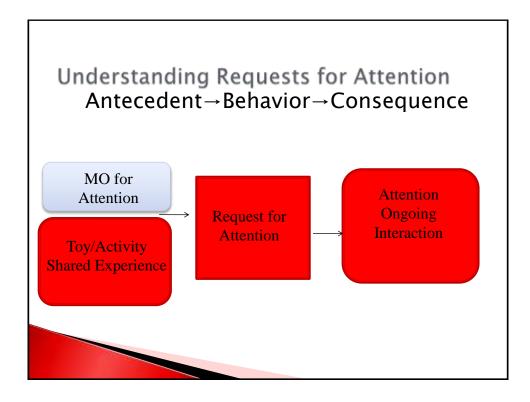
- Researchers have begun to examine joint attention as one positive outcome of broader social skills intervention programs not directly targeted at joint attention.
- Bakeman and Adamson (1984) coded behaviors of supported joint engagement (in which the trainer manipulates the toy to support the target child's joint attention) and coordinated joint engagement (in which the child with autism is actively involved in playing with the object looking at both the object and the peer).

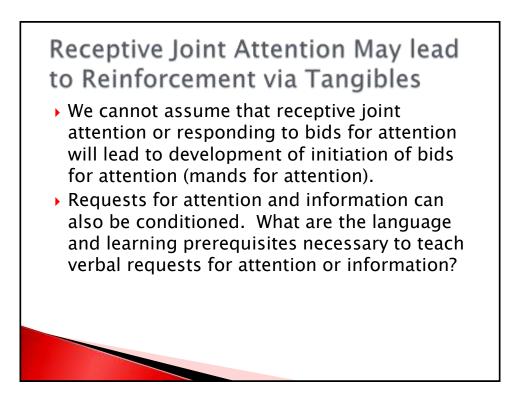
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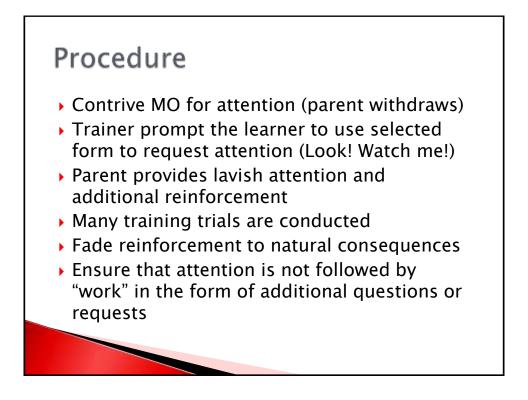


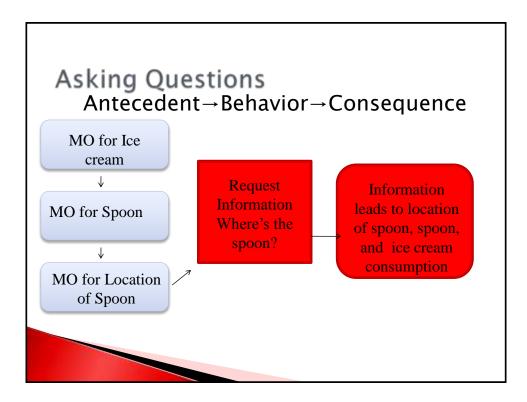


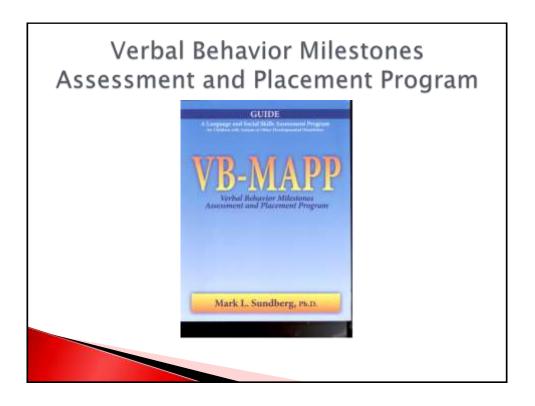


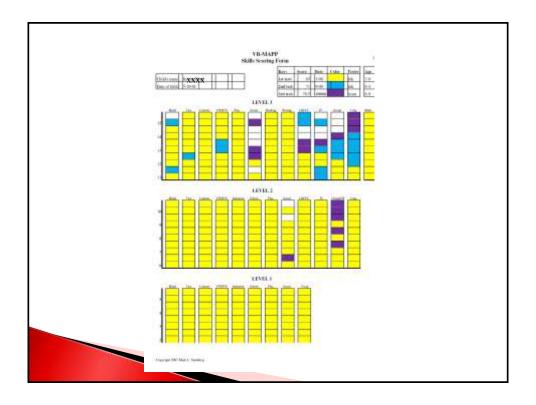










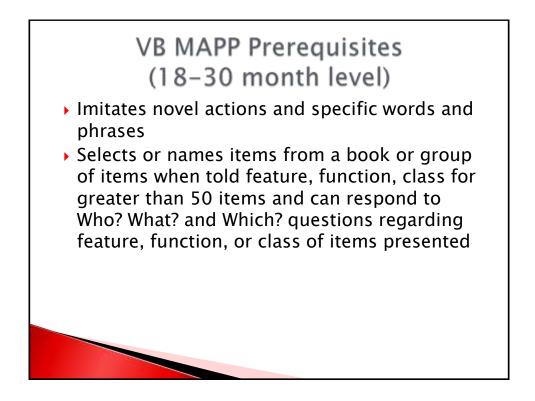


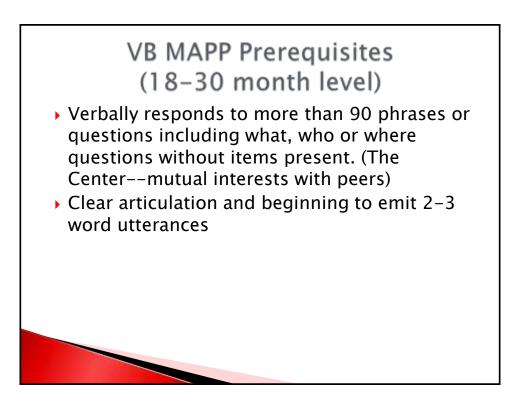
VB MAPP Social Milestones (18-30 month level)

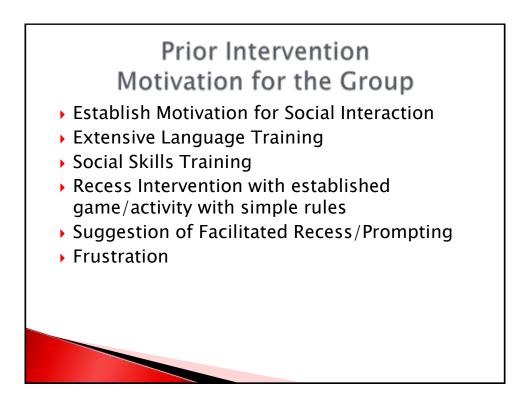
 Spontaneously participates in activities with other children and spontaneously verbally interacts with them (initiates physical interactions, requests, sustained social play, follows peer instruction, request peer participation)

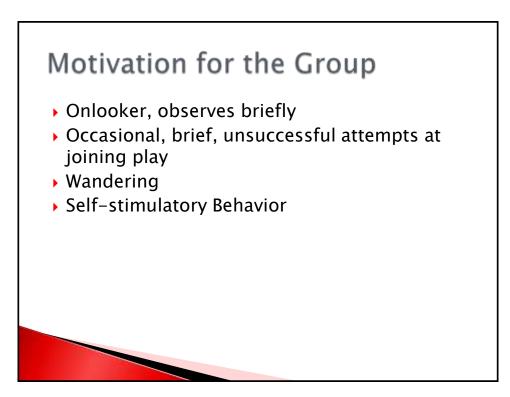
VB MAPP Prerequisites Level 2 (18–30 month level)

- Frequent and spontaneous requests and multiword requests primarily controlled by motivation
- Labels items and actions and combine nouns and verbs to label with minimum of 200-300 word expressive vocabulary
- Receptive language skills include receptive identification of items in a variety of situations, ability to follow instructions to do a motor task and ability to follow noun-verb instructions.



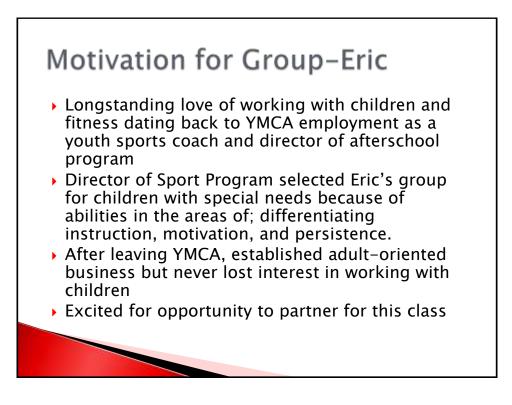


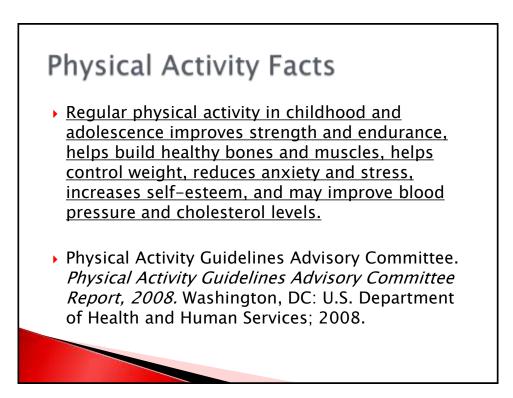


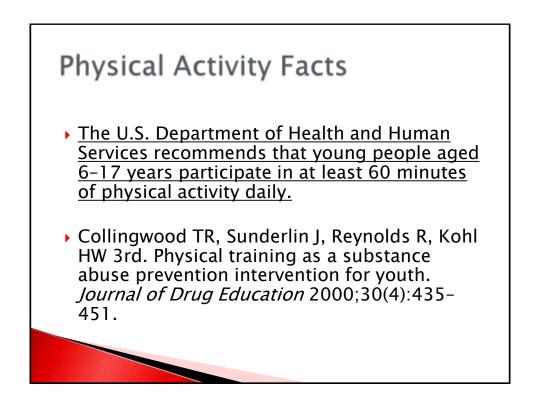


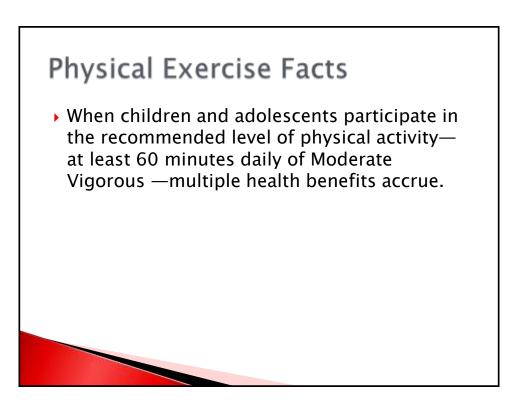


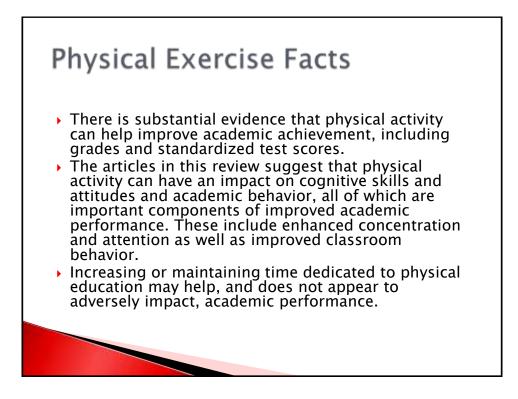


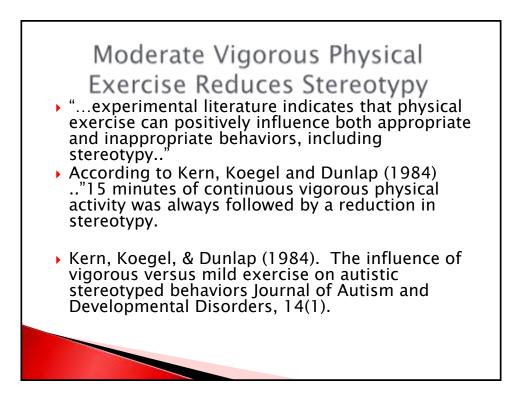


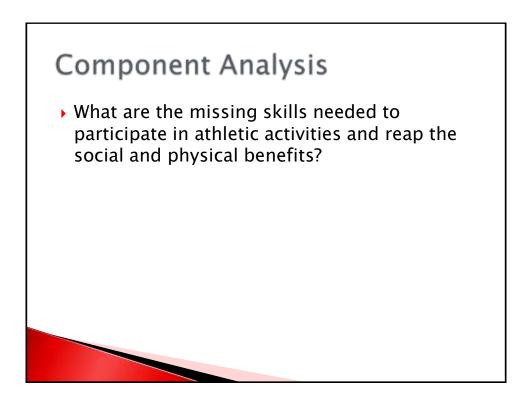






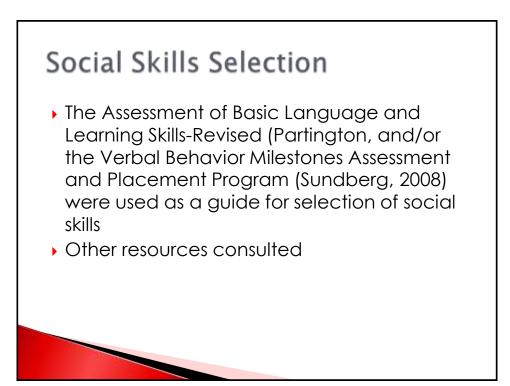












AL INTERACTION			
GOAL	OBJECTIVE	CRITERIA	NOTES
L10 Returns greetings	The student will return greetings from others	Student returns greetings from peers without prompts	Count also independent greetings /farewells in grou
L18 Asks peers for items (single)	The student will ask peers for (single) items	Spontaneously and frequently asks peers for items without prompts	
VBM S6: The student will initiate a physical interaction with a peer	The student will physically initiate (push a wagon, throw a ball)	2 fimes in a 60 minute observation in community setting	
VBM S9: The student will spontaneously respond to the mands or physical approaches and attempts to engage by peers	The student will independently respond to requests such as "my tum", "push me", "come on" or grasping, pulling, guiding of peets.	5 times in a 60 minute observation in a community setting	
VBMA 12M Responds to 5 different group instructions or questions without direct prompts in a group	Independently or using observation of peers, the student will respond to group instructions or questions.	5 times in a 60 minute observation in a community setting.	
VBMA 12 M2 Responds chorally	When provided a signal, responds by repeating word/phrase	5 times in 60 minute observation	
L2 Takes offered items	When offered a preferred item, the student will take the item from both peers and adults.	2= Will usually take walk to and take the preferred item from peers and adults who are more than 8 feet away	
VBMS 11M Spontaneously cooperates with peer to accomplish a specific outcome.	The student will work with another student without adult prompting (one child holding a bucket while the other child pours water.)	5 times in a 60 minute observation	

Daily Progre	ess	Note	es					NTER TREATHENT every session.
Child's Name: Therapist:						Time:	Date:	
Behaviors		-		havior	5	Comments	Carter.	Time Met
Greeting	1	2	3	4	5	Sector Contraction of Contraction		
Mands to Peers	1	2	3	4	5			
Responds Phys	1	2	3	4	5			
nitiates Phys	1	2	3	4	5			
Group Instruction	1	2	3	4	5			
Accepts Items	1	2	3	4	5			
Coop Peer	1	2	3	4	5			
Choral Respond	1	2	3	4	5			
Sell Stim Circle	1	2	3	4	5			
Self Stim Active	1	2	3	4	5			

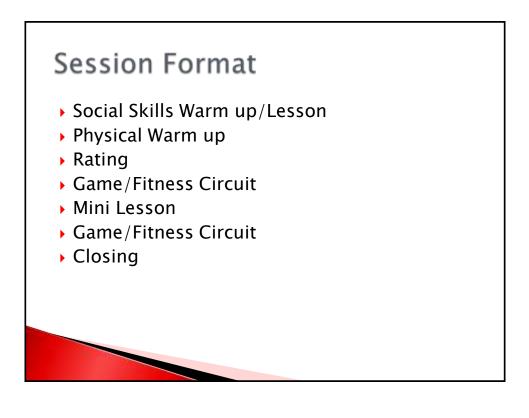
GOAL	OBJECTIVE	CRITERIA	NOTES
The student will negatiate with a peer	The student will "work it out" with a peer who has desires that differ from his own	2/3 obligatory contexts.1/3 independently	
The student will identify and use factor expressions and body language	The student will use his body to depict a level of a 5 point scale or receptively identify a level based on the response at another.	4/5 opportunities. Achieved for extremes	
The student will independently identify 3 potentifal solutions to a problem (and receive support to assess and predict success of each choice)	The student will independently identity solutions.	Three solutions to 2/9 contrived or actual problem. Able to identify one.	
125 Adjusti behavior based on changes in peer's actions in 2/3 obligatory contexts. NEW CRIERIA	The learner will adjust behavior based on changes in peer's actions	2/3 obligatory contexts without prompth for % sessions FOR MORE COMPLEX SOCIAL STUATIONS. Adjusts personal space when checks are made. Remains inactive if α basic fits is methodites.	
VBMS: 10 The student will spontaneously join a structured or unstructured peer activity.	The student will independently use strategies for structured and unstructured joining	2/3 obligatory contexts for each type of joining. Needs prompting to get started with complex play. Does not ask peer questions without promoting.	
L21 The student will increase independent greetings and fareweak	The student will initiate greetings of tarewels to peers or respond to their greeting or farewell in a novel struction	3 different peers when appropriate in 60 minute observation in a community setting in % sessions. Limited opportunity as usually late.	
The student will: abserve and label why a peer's emotion	The student will independently demonstrate	2/3 of obligatory contexts at social skills group IN MORE	

and predict what a peer will do next. NEW CRITERIA	skill in 2/3 obligatory contests.	COMPLEX SOCIAL SITUATIONS. Can identify in videos for simples situations.	
The student will: correctly identify big. little, and medium-sked problems.	The student will independently demonstrate % opportunities.	3/4 opportunities at social skills group with problems in which he is a player. Can identify in others.	
The student will demonstrate understanding of figures of speech "tricky tak"	The student will respond to 5 new figures of speech	In group and via positiest, 20 mastered, Tracking those applied/7	
Offer assistance	The student will independently recognize when help is needed and after	2/3 obligatory contexts: 1/3 needs prompts in groups. Will help an adult consistently.	
The student will independently rate or produce a level of skill utilizing a 5 point scale. NEW CRITERA	klentRy or demonstrate levels on 2/3 scales and in others!	100% accuracy for 2/3 of the following during politiest. Following Like. Arolety	
The student will recognize and play games	Recognize game, identify rules, and actively participate	5 new games or by posities?. (10 GAMES MASTERED)	
The studient will engage appropriately with people in the environment based on his relationship with these people.	The student will appropriately initiate or respond to peers and adults using his Social Circles.	5/5 during role play 89% IN FEBRUARY	
The student will master the three step fix it strategy	Ask once nicely, once strongly and then get an adult for help	2/3 contrived situations.	
127 States what others We/Galles	The student will be able to state items and activities that are enjoyed by others and state which people like a particular item or activity.	2* Knows of least 2 specific things enjoyed or not enjoyed by at least 4 people	
L28 Direct others attention to something of interest to them	The student will be able to know what activities, news, or items would be of interest to	2= Frequently direct several different poets and adults to liens and activities that	

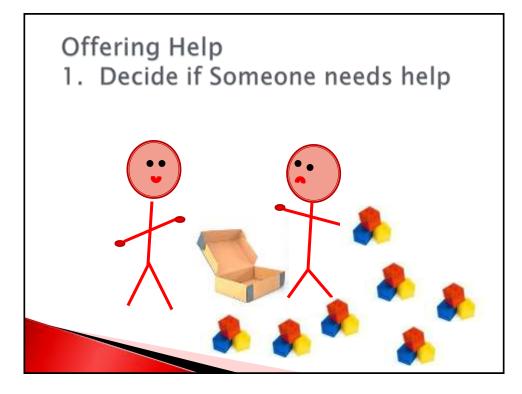
	specific individuals and will direct their attention to those items.	would be of interest to each person	
£31 Walts for break in conversation to interrupt	The student will be able to wait for a break in an on- going conversation before attempting to speak with one of the people involved in the conversation.	2= When offses are talking, veually waits for a person to look at him before specifying or appropriately attempts to catch the speakers' attention Piecoure me ¹ ?	
124 Feedback from peen	The student will be able to tokow directions from peers to adjust his behavior to be more socially acceptable.	4= Follows implied directions from pees in at least four play activities. Achieved for stated.	
The idudent will: observe and label why a peer's emotion and predict what a peer will do next.	The student will independently demonstrate skill in 2/3 obligatory contexts.	2/3 of obligatory contexts at social skills group. Gmited opportunity	
The student will recognize and play games	Recognize game, identify wire, and actively participate	5 new games.	
The student will maintain appropriate perional space with peen and adults.	Will maintain personal space while seated in group.	5 consecutive space invader checks during group.	
The student will invite two pears to join him in an activity.	Will invite two poers to form α group of three.	On post-test probe.	
The student will learn 10 concepts in group format	Receptive, tact or ly	On probe	

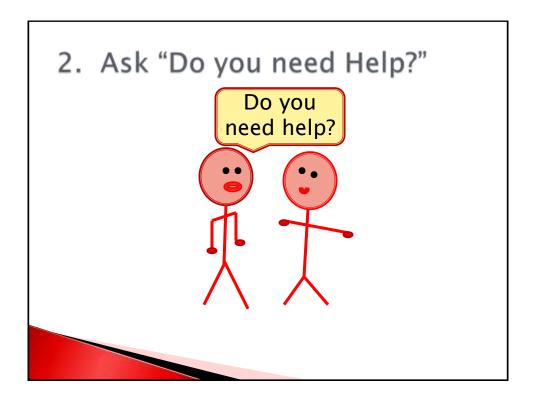
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Child's Name: _								
Therapist:						Time:	Date:	
Behaviors			et Beh				•	
				stance	-	Comments		
Cool greetings	1	2	3	4	5			
Eye gaze use	1	2	3	4	5			
Game Facts	1	2	3	4	5	<u> </u>		\vdash
Emotions/Rate	1	2	3	4	5	<u> </u>		\vdash
Adjust behavior	1	2	3	4	5			
Offer assistance	1	2	3	4	5	+		\vdash
Problem-solving	1	. 2	. 3	. 4	5			
Join appro	1	2	3	4	5	+		
Coaching General Comme		2	3	-	5	1	I	11
Therapist Signat	ure:							

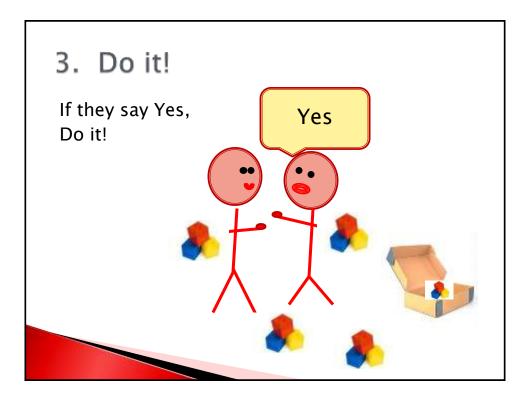
Daily Progre Child's Name:		Not	0 3 Fr	iends ar	d Fitne	55		Ad	Ivanced
Therapist:						Time:	Date:		
Behaviora				navior Istance	8	Comments	, Date.	<u> </u>	1
Cool greetings	1	2	3	4	5				
Eye gaze use	1	2	3	4	5				
Game Facts	1	2	3	4	5				
Emotions/Rate	1	2	3	4	5				
Adjust behavior	1	2	3	4	5				
Offer assistance	1	2	3	4	5			1	
Problem-solving	1	2	3	4	5			1	
Join appro	1	2	3	4	5				
Coaching	1	2	3	4	5				
	ure:			4	5				



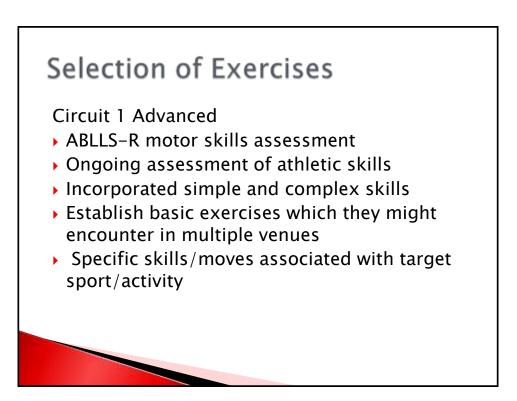




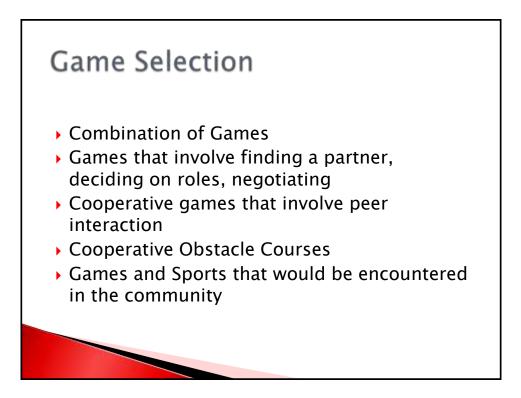


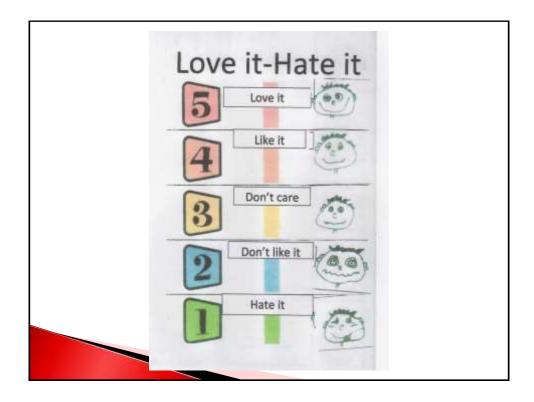


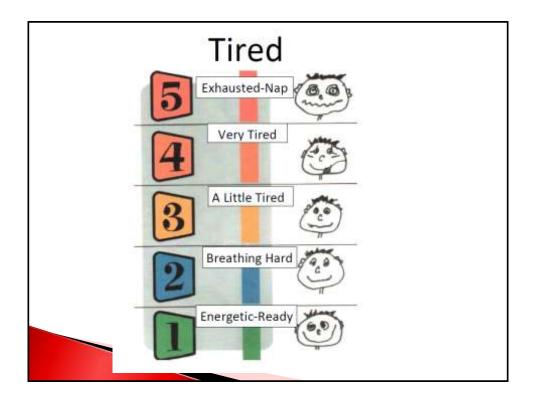
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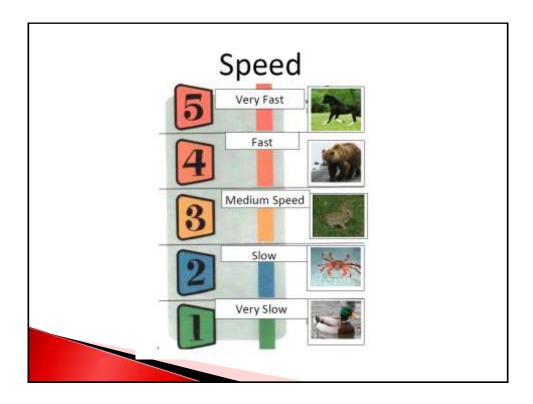


Shorties ABLLS-R motor skills assessment Ongoing informal assessment of skills Basic Yoga Poses Basic Cardio and Functional Strength Training

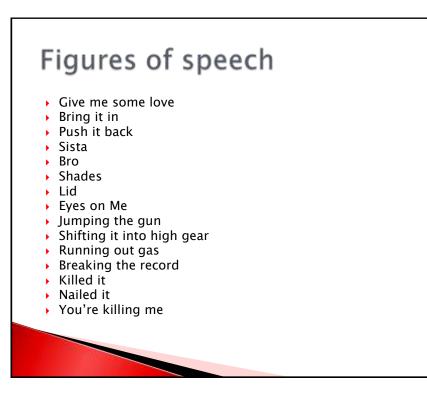




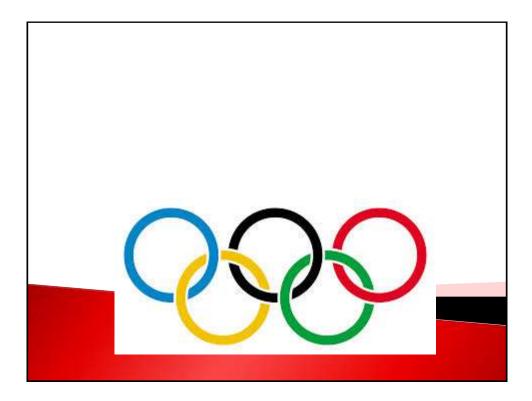






















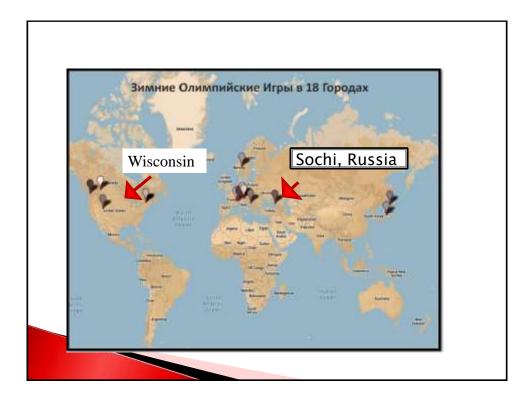
Events

- Alpine skiing
- Biathlon
- Bobsleigh
- Cross Country Skiing
- Curling
- Figure Skating
- Freestyle Skiing















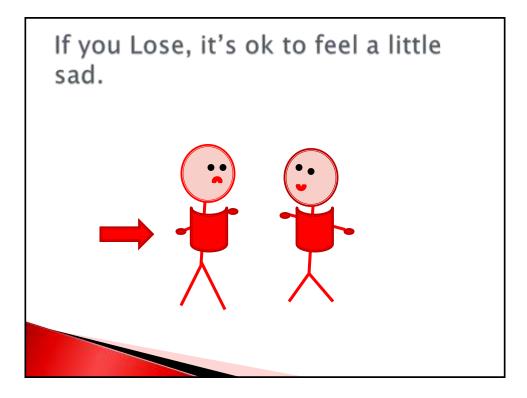






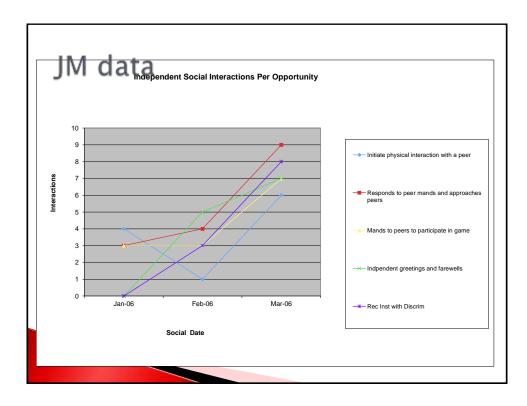




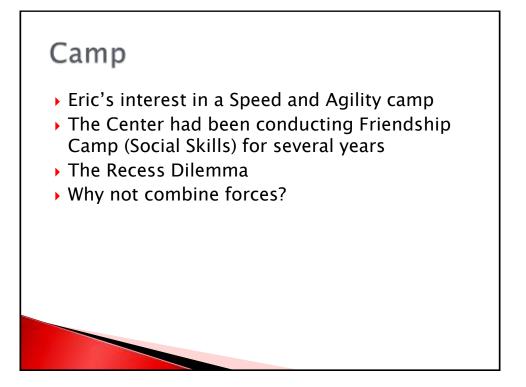








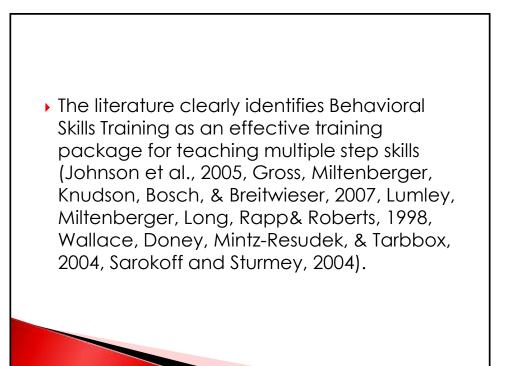


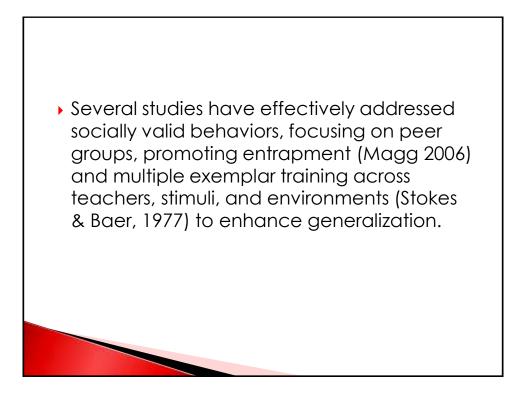


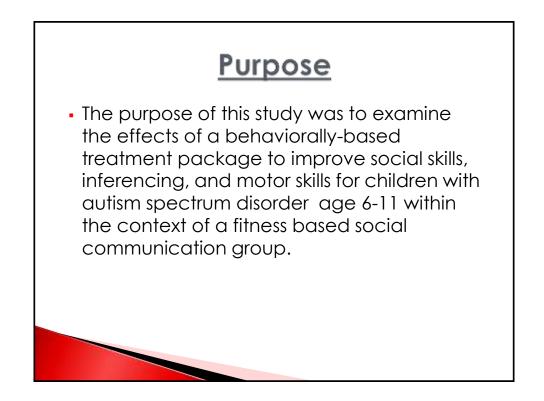


Introduction

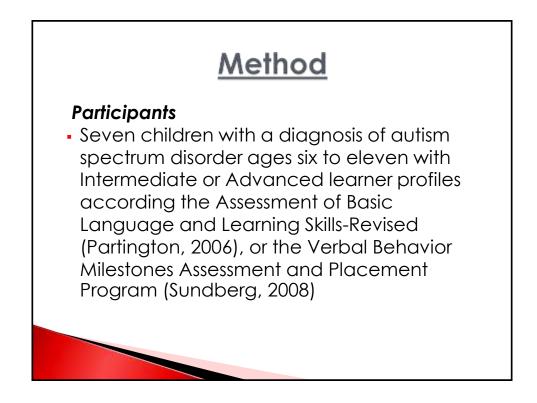
 Deficits in social communication/social skills and motor skills in children with autism spectrum disorder restrict access to the social and health benefits of group exercise provided by participation in recess, gym class, community sponsored sports offerings and games played at family gatherings.



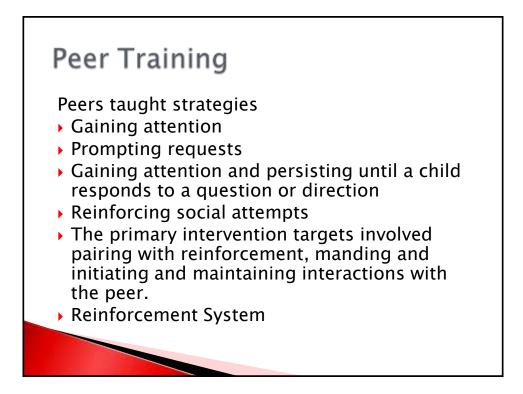


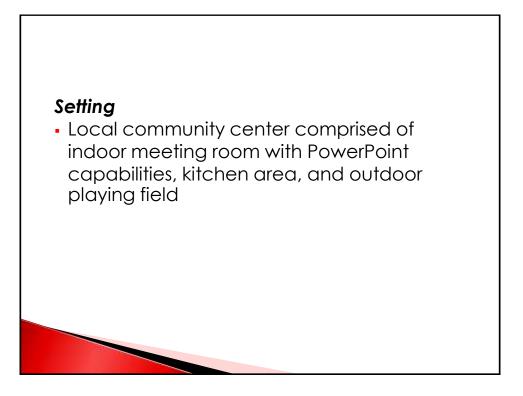


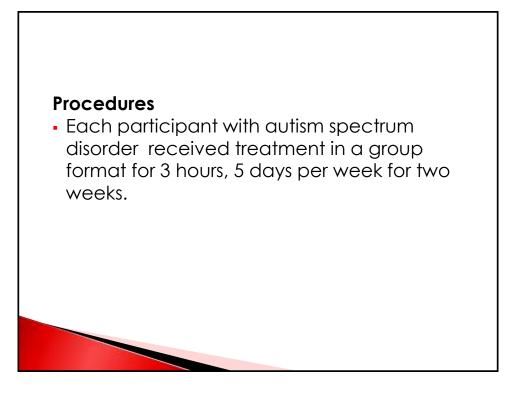




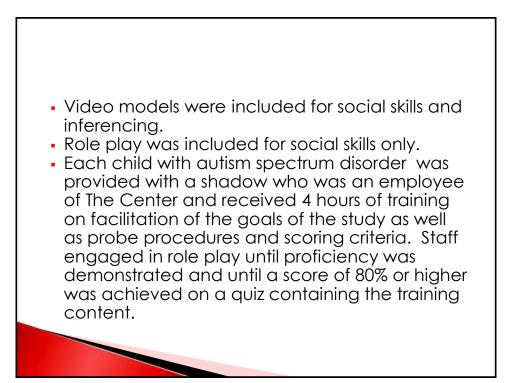


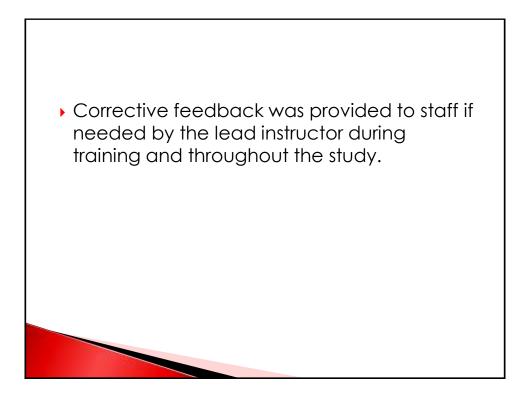


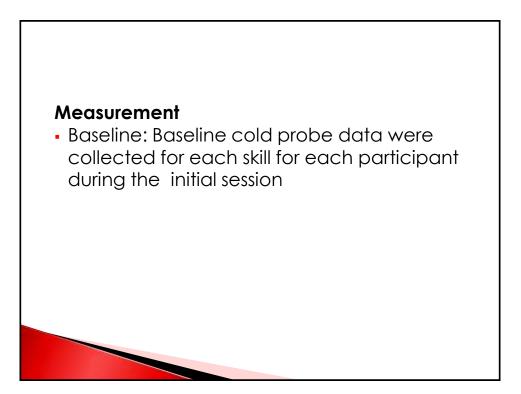






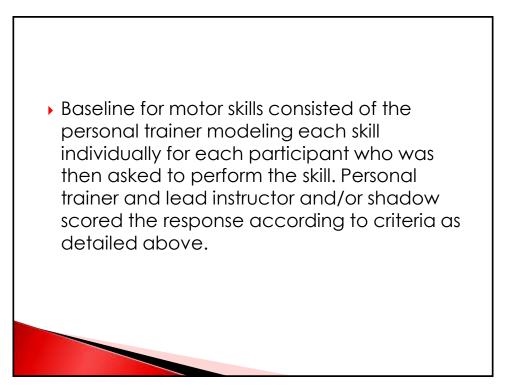


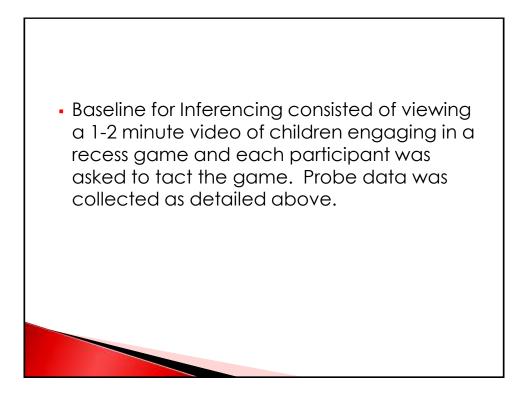




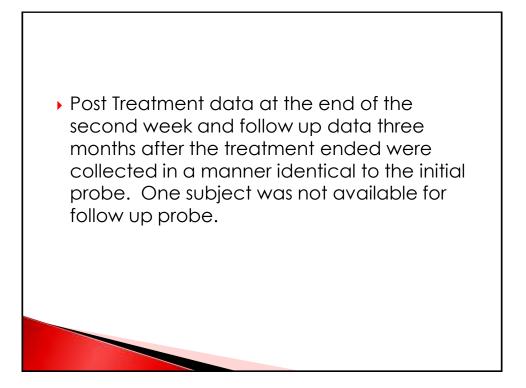
Measurement

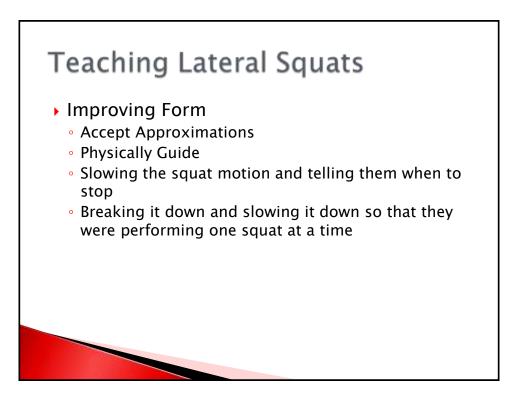
 For social skills, the lead instructor would alert staff and peer models that a probe was about to be conducted. An instruction would be provided to the group and no prompting occurred. Shadows scored participant responses as Y or N for correct and incorrect/no response respectively. Some social skills contained several components (e.g. Finding a partner: get close, eye contact, mand) and each component was scored individually.

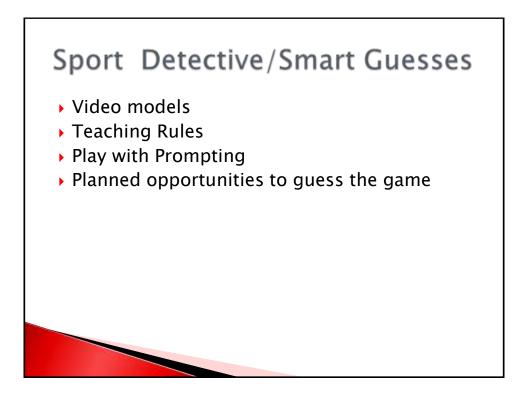


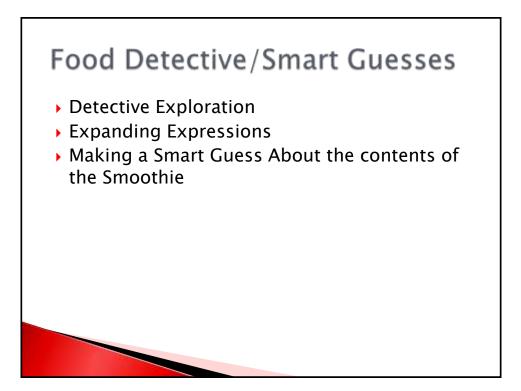


	Date →	7/	15	7/	19	7/	22	7/	26	10/26					7/1	5	7/19	7/	22	7/2	26	
	Therapist →																					
1	Hands on head	Y	Ν	Y	Ν	Y	Ν	Y	Ν		1	Four S	quare		Y	N	ΥN	Y	Ν	Υ	Ν	Y
2	Choral response	Y	Ν	Y	Ν	Y	Ν	Y	Ν		2	Tag			Y	N	ΥN	Y	Ν	Υ	Ν	Y
	Find a partner										3	Simon	Says		Y	N	ΥN	Y	Ν	Υ	Ν	Y
3	Get close	Y	Ν	Y	Ν	Y	Ν	Y	Ν		4	Race			Y	N	ΥN	Y	Ν	Y	Ν	Y
4	Eye contact	Y	Ν	Y	Ν	Y	Ν	Y	Ν		5	Freeze	Tag/stu	ckmud	Y	N	ΥN	Y	Ν	Υ	Ν	Y
5	Ask	Y	Ν	Y	Ν	Y	Ν	Y	Ν		6	Keep /	Away		Y	N	ΥN	Y	Ν	Υ	Ν	Y
	Ask to Play										7	Soccer			Y	N	ΥN	Y	Ν	Υ	Ν	Y
6	Get close	Y	Ν	Y	Ν	Y	Ν	Y	Ν		8	Kickb	all		Y	N	ΥN	Y	Ν	Υ	Ν	Y
7	Eye contact	Y	Ν	Y	Ν	Y	Ν	Y	Ν		9	Sharks	/Minno	WS	Y	N	ΥN	Y	Ν	Υ	Ν	Y
8	Say name	Y	Ν	Y	Ν	Y	Ν	Y	Ν						Y	Ν	ΥN	Y	Ν	Υ	Ν	Y
9	Ask	Y	Ν	Y	Ν	Y	Ν	Y	Ν		1	Pass th	ne ball		Y	N	ΥN	Y	Ν	Y	Ν	Y
	Persist			\vdash		\vdash					2	Foot o	n the ba	11	Y	N	ΥN	Y	Ν	Υ	Ν	Y
10	Tap shoulder	Y	Ν	Y	Ν	Y	Ν	Y	Ν		3	Jump	the Hurd	ille	Y	N	ΥN	Y	Ν	Υ	Ν	Y
11	Say name	Y	Ν	Y	Ν	Y	Ν	Y	Ν		4	Throw	the bal	1	Y	N	ΥN	Y	Ν	Y	Ν	Y
	Offer assistance										5	Pitch t	he ball		Y	N	ΥN	Y	Ν	Y	Ν	Y
12	Notice need	Y	Ν	Y	Ν	Y	Ν	Y	Ν		6	Catch	the ball		Y	N	ΥN	Y	Ν	Υ	Ν	Υ
13	Ask in a nice way	Y	Ν	Y	Ν	Y	Ν	Y	Ν		7	Run th	e bases		Y	N	ΥN	Y	Ν	Υ	Ν	Y
14	Cheer	Y	Ν	Y	Ν	Y	Ν	Y	Ν											\vdash		
15	Getting in line	Y	Ν	Y	Ν	Y	Ν	Y	Ν						Y	N	ΥN	Y	Ν	Y	Ν	Y
16	Smoothie	Y	Ν	Y	Ν	Y	Ν	Y	Ν						Y	N	ΥN	Y	Ν	Υ	Ν	Y
															Y	N	ΥN	Y	Ν	Υ	Ν	Y
															Y	N	ΥN	Y	Ν	Y	Ν	Y

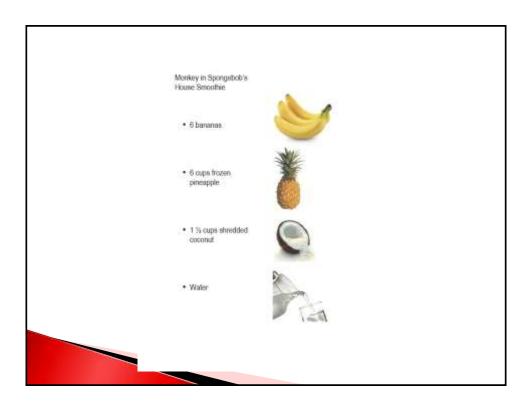


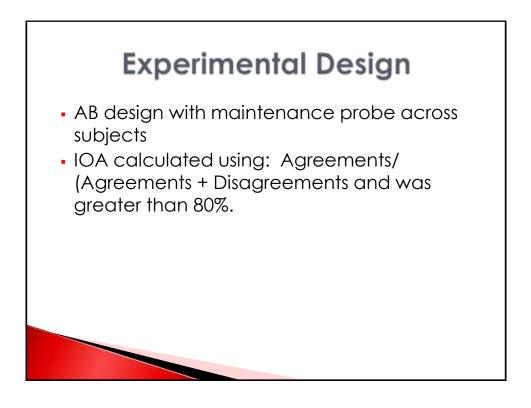




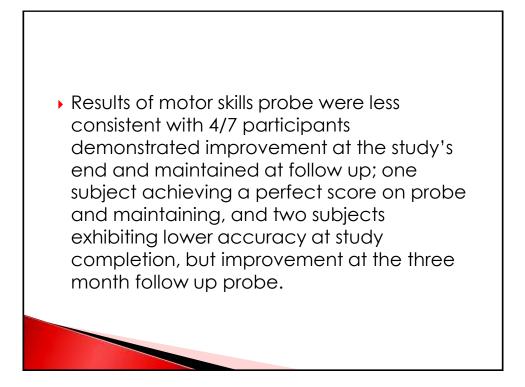


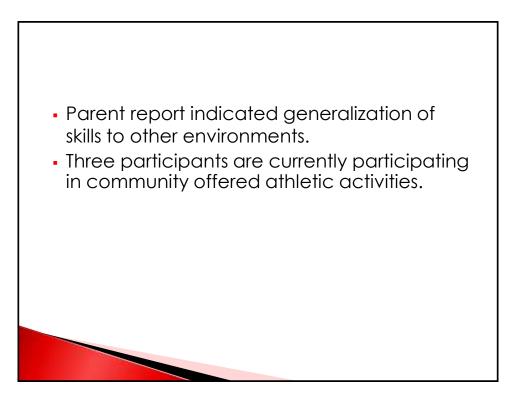
Task: Sentence completion/Cloze task Name: Date: Putting it all together Group: De Mathy Parts Where ?	
Cocunut	Banana Strawberry Spinach Pineapple
	It is also a kind of You can it and it and it.
() () () () () () () () () () () () () (It looks and It grows from or on a
er e	 Its parts are and
Uhro	You can find it at a or a I it. It is



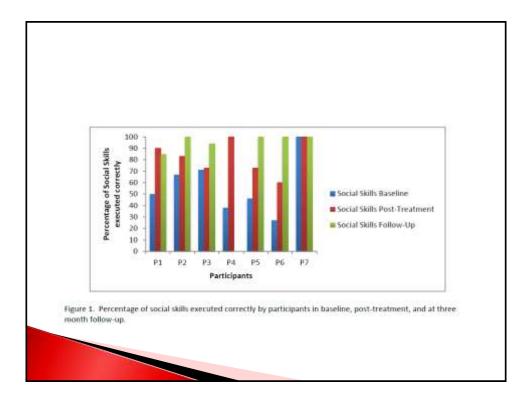


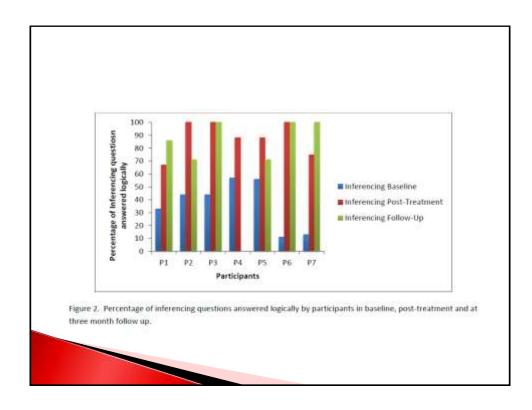


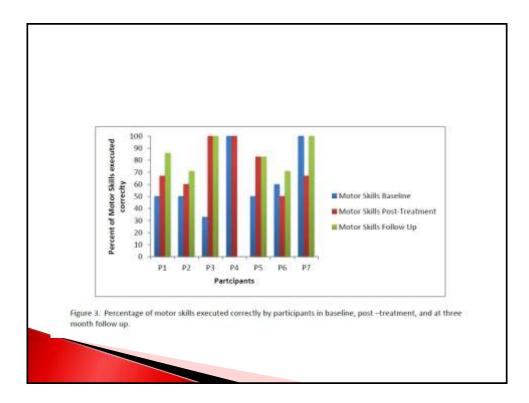




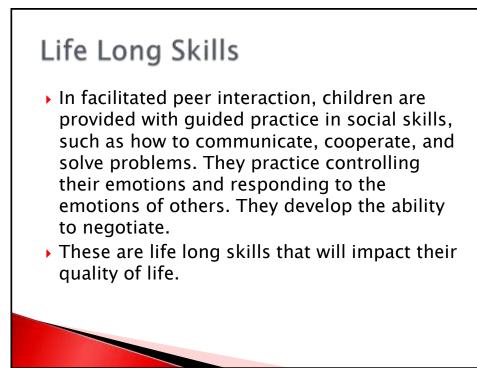














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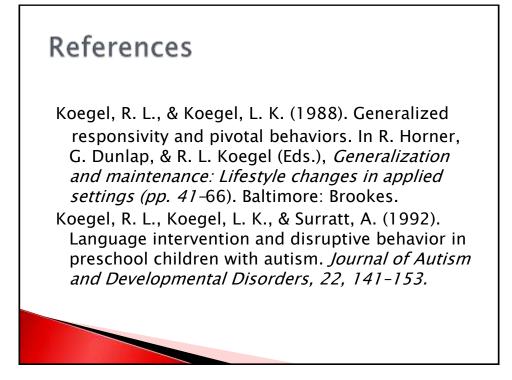
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