

Chelsea Roberts

Major: Behavioral Science

Minor: Spanish

Plans for future: Attending
graduate school at WMU for a
Master's in behavior analysis

Area of interest: Autism



Training tutors to use time delay procedure to increase vocal manding in children with developmental disabilities

Chelsea Roberts

Mentor: Brian MacNeill

Problems

- #1: Learning how to spontaneously mand, or request without prompting, can be difficult for children diagnosed with developmental disabilities.



- #2: Undergraduate tutors have little experience using naturalistic teaching procedures.



Goals



- #1: Increase vocal mands in children with developmental disabilities using a time delay procedure.
- #2: Increase the number of opportunities the tutors used time delay throughout the day

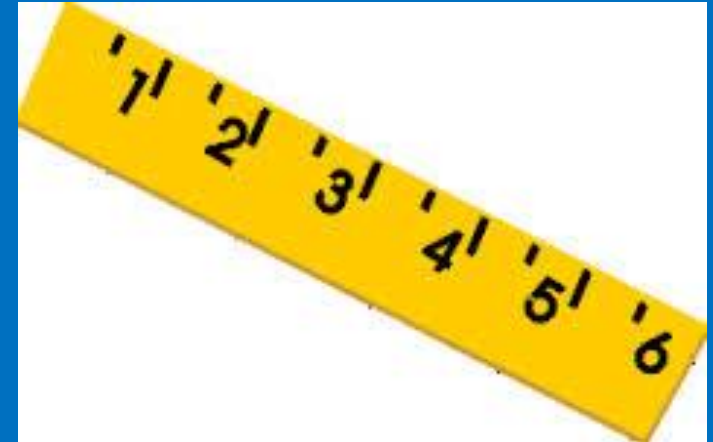
The intervention

- Participants:
 - Two children in special education classroom
 - Two undergraduate tutors



Measures

- Dependent variable (DV):
 - Number of used delayed opportunities by tutors
 - Number of child's requests
 - Independent?
- Independent variable (IV):
 - Training of the tutors to use procedure



The intervention

- Tutor training:
 - Train to use time delay procedure
 - Train to identify naturally occurring opportunities
 - Behavioral Skills Training (BST):
 - Instruction
 - Modeling
 - Practice
 - Feedback
 - Evaluation



Data Collection Sheet

Observer 1: Observer 2:

Date: Time:

Participant:

Observe in 15 minute sessions

Y = Yes

N = No

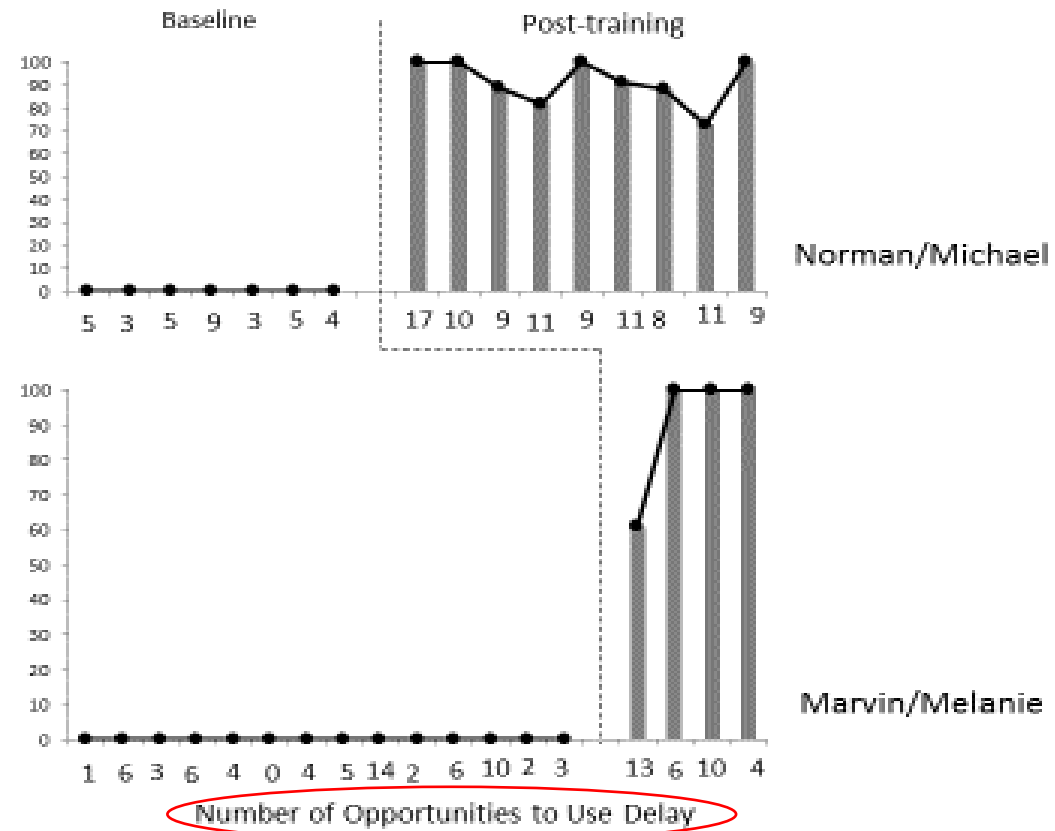
IM = Immediate

D = Delayed

Delay Opportunity	Delay/Prompt Used?			Child Request?		Independent?	
1	IM	D	None	Y	N	Y	N
2	IM	D	None	Y	N	Y	N
3	IM	D	None	Y	N	Y	N
4	IM	D	None	Y	N	Y	N
5	IM	D	None	Y	N	Y	N
6	IM	D	None	Y	N	Y	N
7	IM	D	None	Y	N	Y	N
8	IM	D	None	Y	N	Y	N
9	IM	D	None	Y	N	Y	N
10	IM	D	None	Y	N	Y	N
Total:	—	—	—	—	—	—	—

Results

Percentage of Opportunities Used by Tutors to Delay and Children to Initiate



Discussion

- Naturalistic teaching procedures
 - Great addition to discrete trial classrooms
 - Benefits tutors as well as students
- Maintenance
 - Incorporation into monitoring scores
- Other contributing factors
 - Differences in problem behavior
 - Implementation of token economy
 - End of school year
- Social validity survey



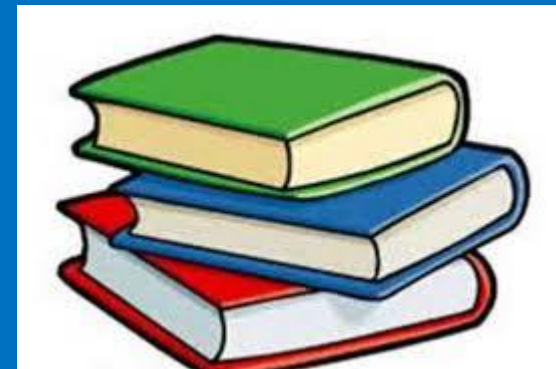
Future Directions

- BST for other procedures
- Generalization probes
- Procedure will remain in classroom curriculum



My Role

- Reviewing the literature
- Preference Assessments
- Data Collection
- Feedback on procedure, definitions, and data collection sheets



My experience

- Completion of Honors Thesis
- Valuable experiences with developmentally disabled children
- Experience with BRSS/BATS



Questions or Comments?



Thank you Brian, BRSS, & Dr. Malott