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

<table>
<thead>
<tr>
<th>Delay Opportunity</th>
<th>Delay/Prompt Used?</th>
<th>Child Request?</th>
<th>Independent?</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>IM D None</td>
<td>Y N</td>
<td>Y N</td>
</tr>
<tr>
<td>2</td>
<td>IM D None</td>
<td>Y N</td>
<td>Y N</td>
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<tr>
<td>3</td>
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<td>Y N</td>
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<tr>
<td>Total:</td>
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Results
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