



THE OHIO STATE UNIVERSITY

Comparing Video Prompting Against Least-to-Most Prompting to Teach Two Personal Care Skills

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Uses of Technology

- Increasing Conversation via iPad
- Video Enhanced Exercise Behavior
- Vocational Tasks via Paraprofessional
- Video Modeling to teach Exercise
- Speech Interventions using Video Modeling



Video Prompting

Cooking related skills (e.g., food preparation, making pizza)

Daily living skills (e.g., washing a table, folding laundry)

Job skills (e.g., cleaning kennels, making photocopies)

Play skills (e.g., playing darts, Mr. Potato Head)





Personal care skills

- Tying shoes
- Buttoning a shirt

Behavioral cusps: opening the participants to new opportunities for reinforcement

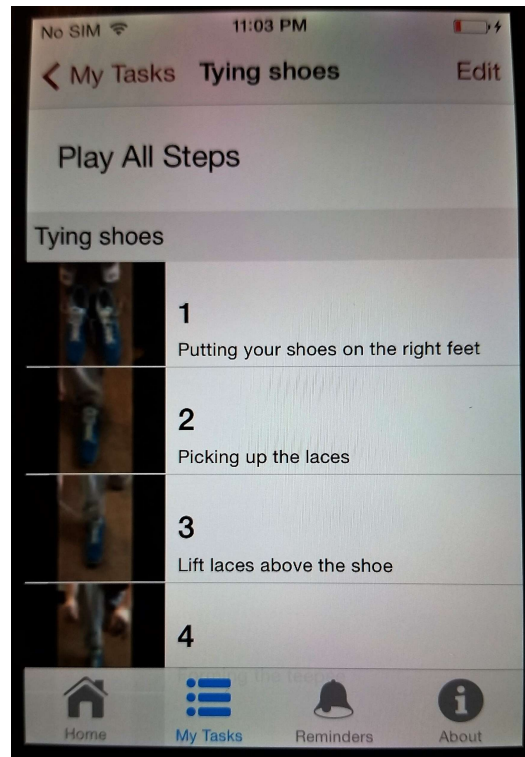
Participants were elementary school students with moderate to severe intellectual impairment





Participant Information

- Ages: 7 to 10 years old
- Grades: Kindergarten to 4th grade
- Diagnoses: Fragile X, Autism, Downs Syndrome, Apraxia



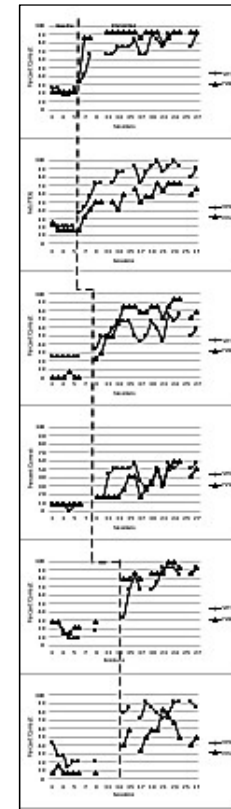
Task Analyses

- Tying Shoes
 - 12 steps
- Buttoning Shirt
 - 14 steps



Graphs

- Three Dyads
- Multiple Baseline Across Subjects
- Embedded Alternating Treatments





Baseline

Intervention

Mt

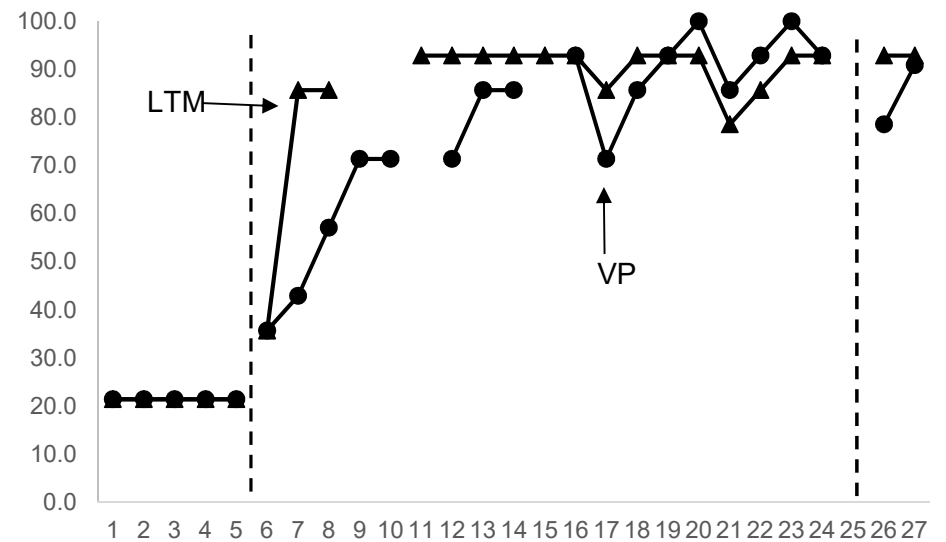
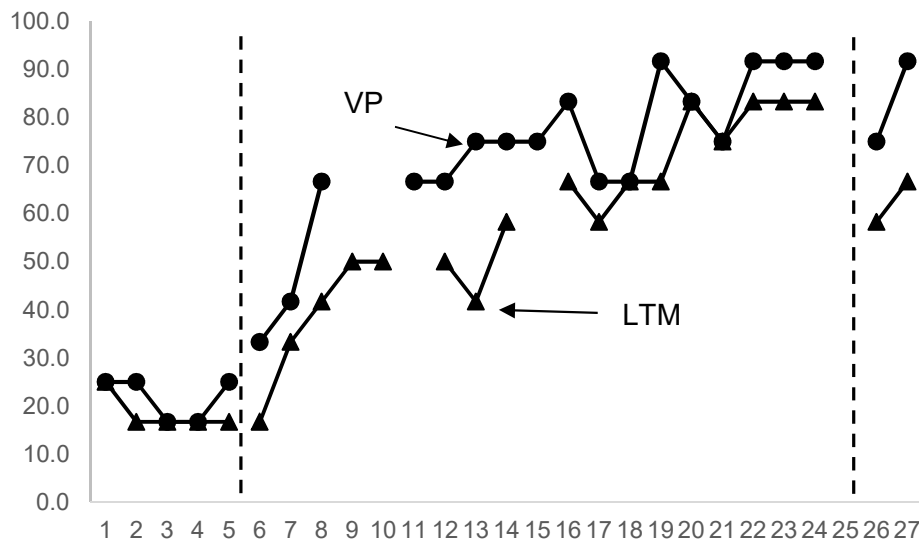
Baseline

Intervention

Mt

Andrew and Jackson Shoes

Andrew and Jackson Buttoning



Sessions



Baseline

Intervention

Mt

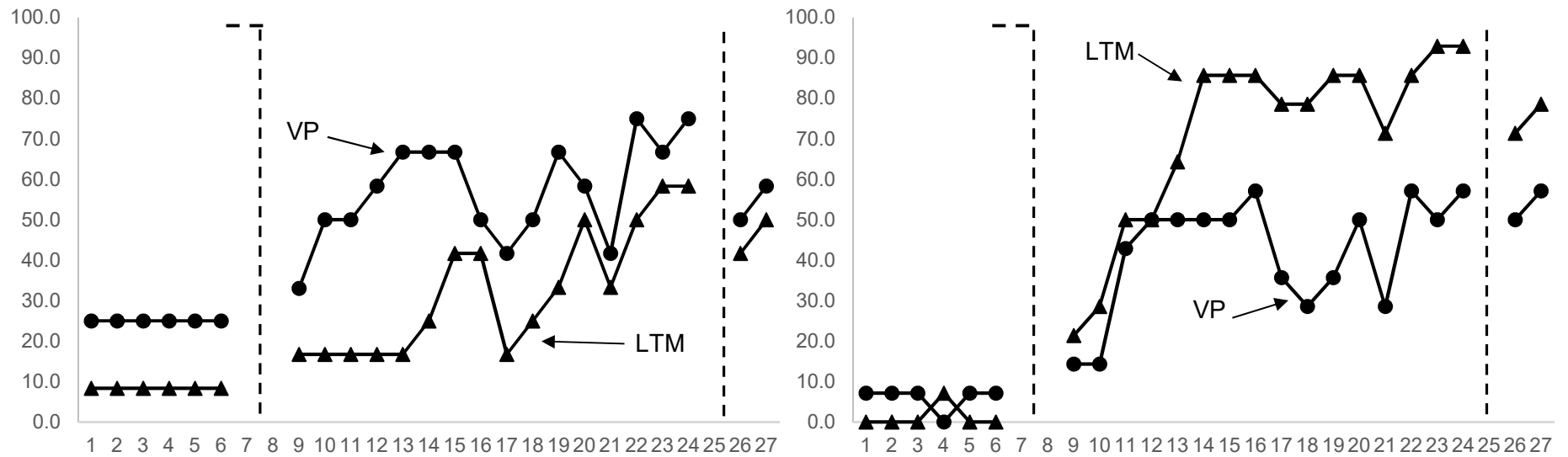
Baseline

Intervention

Mt

Geoff and Kevin Shoes

Geoff and Kevin Buttoning



Sessions



Baseline

Intervention

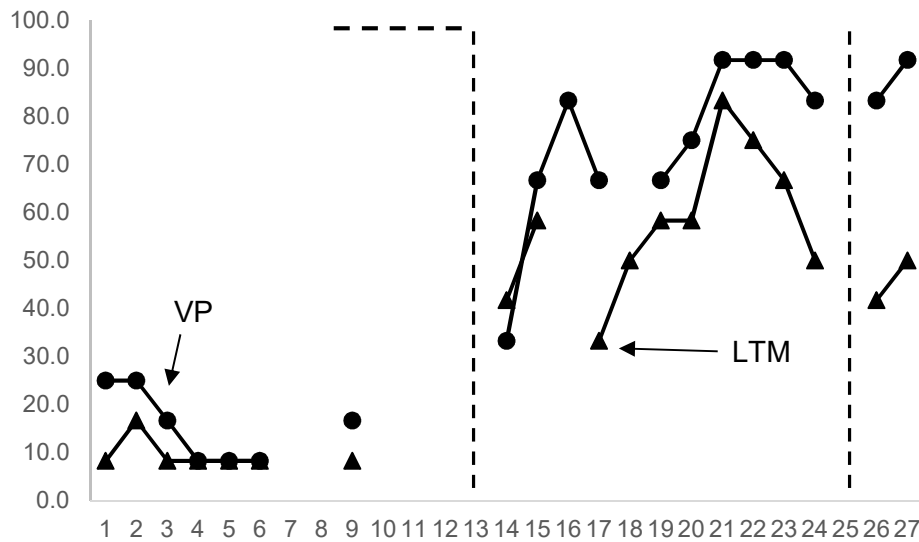
Mt

Baseline

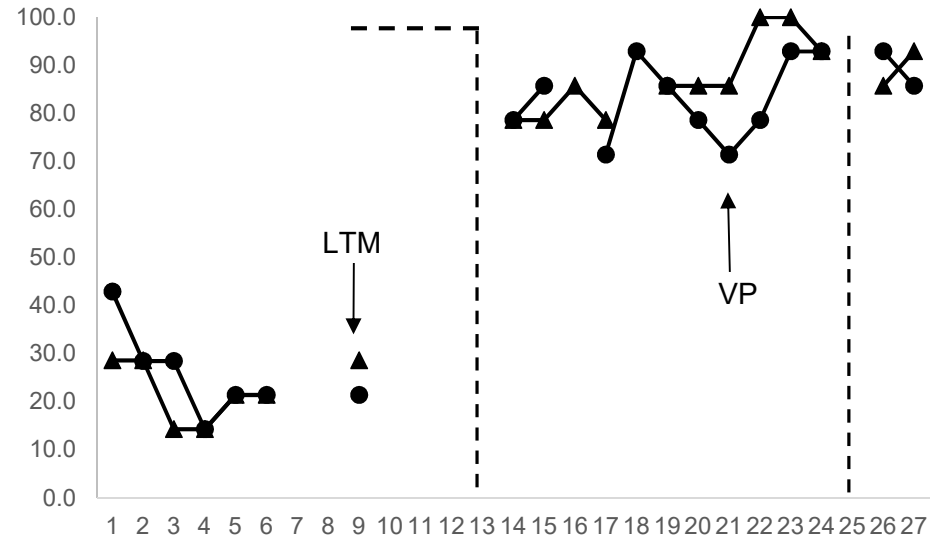
Intervention

Mt

Steve and Austin Shoes



Steve and Austin Buttoning



Sessions



Discussion

- All participants acquired skills, although none mastered them.
- The Buttoning task had a higher rate of acquisition regardless of prompting style.
- For Tying Shoes, video prompting was the better intervention.



Discussion

- Shoe tying VP was better over 11 of 12 steps in the task analysis
- Buttoning VP was only better on 5 of 14 steps, but percentages were comparable
- All participants maintained some level of the skill above their baseline when probed after the summer break



Future Considerations

- Follow up studies are needed with more comparable tasks
- Needed a test for fine motor functioning prior to starting



Thank You!!