



**THE OHIO STATE UNIVERSITY**

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# Comparing Video Prompting Against in Vivo Prompting to Teach Two Personal Care Skills

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# What is Video Prompting?

- Evidence-based practice
- Practical for moderate to severe participants
- Used with a wide variety of skills
- The participant watches a series of short videos that comprise a larger task. (Sigafoos et al., 2007).
- Each video is a single step in the task
- After the video, the participant has the opportunity to perform the skill shown in the video.
- If the participant performs correctly, they move to the next video in the series.
- If the participant does not perform correctly, they watch the step again.



# Types of Video Prompting

- Self-directed
- Practitioner-directed
- Continuous



# When Can You Use 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

These skills are behavioral cusps: opening the participants to new opportunities for reinforcement

Participants were elementary school participants with moderate to severe intellectual impairment

Prerequisite skills include:

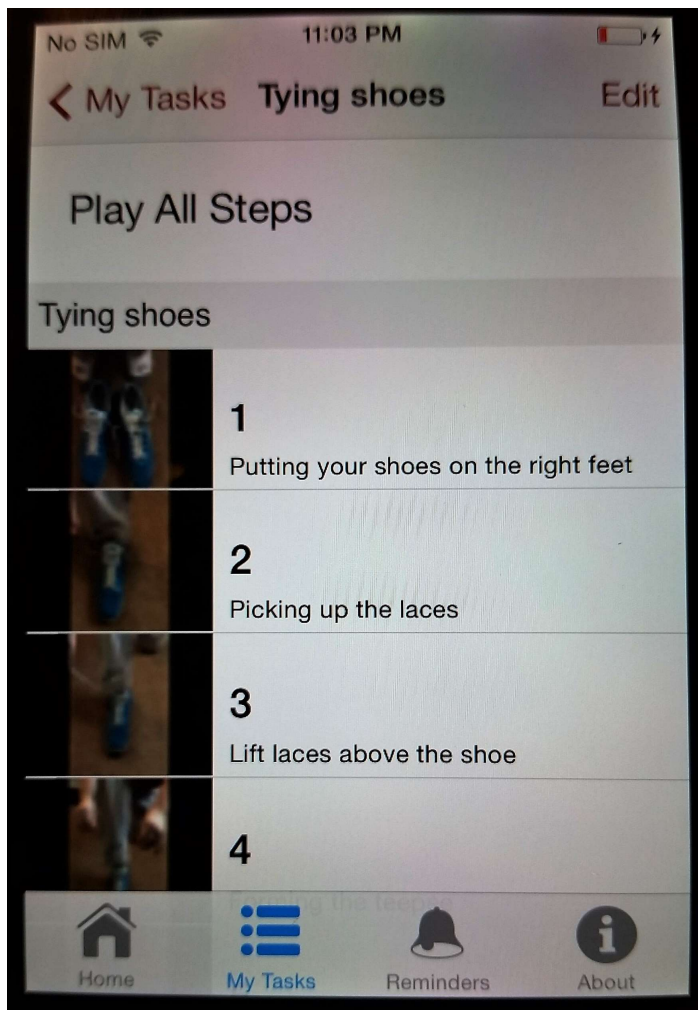
- Attending
- Fine motor
- Persevering





# Demographic information

Participant	Age	Grade	Diagnosis	Reading Level	Math Level
Geoff	7	1 <sup>st</sup>	Fragile X	K	K/1 <sup>st</sup>
Kevin	8	1 <sup>st</sup>	Autism	1 <sup>st</sup>	1 <sup>st</sup>
Jackson	7	K	Downs Syndrome, Apraxia	Pre-K	Pre-K
Andrew	7	1 <sup>st</sup>	Autism	3 <sup>rd</sup>	2 <sup>nd</sup>
Austin	10	4 <sup>th</sup>	Down Syndrome, Apraxia	1 <sup>st</sup>	1 <sup>st</sup>
Steve	10	3 <sup>rd</sup>	Autism	1 <sup>st</sup>	1 <sup>st</sup>



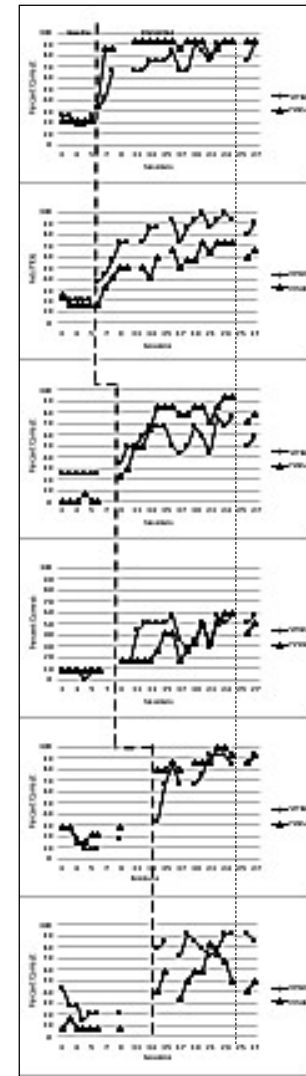
## Task Analyses

- Tying Shoes
  - 12 steps
- Buttoning Shirt
  - 14 steps
- Vetted by Occupational Therapist

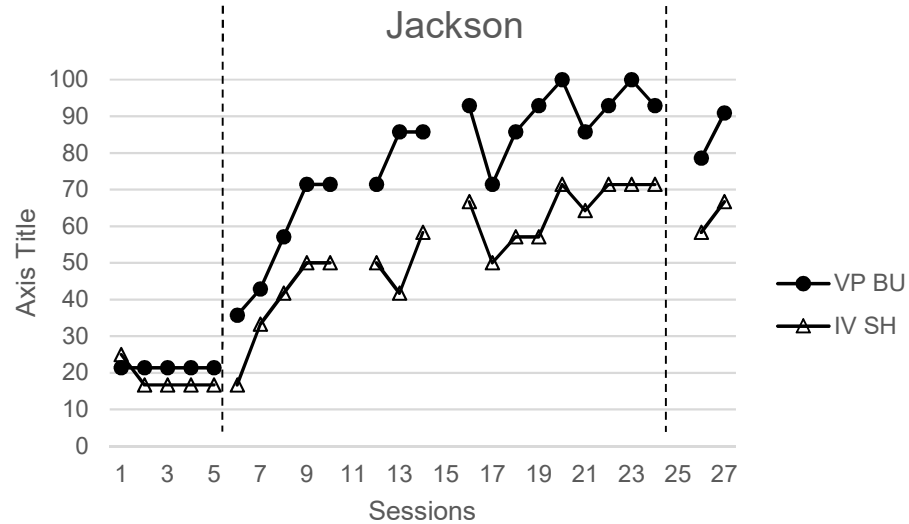
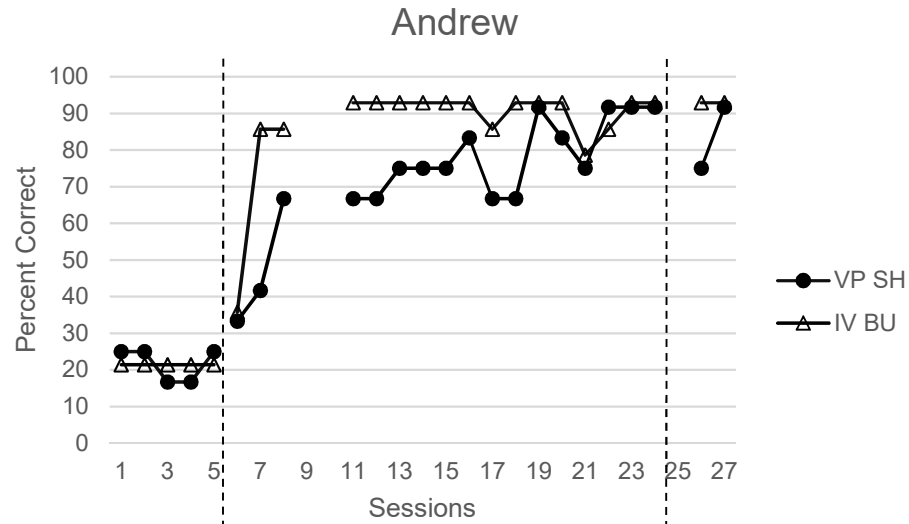


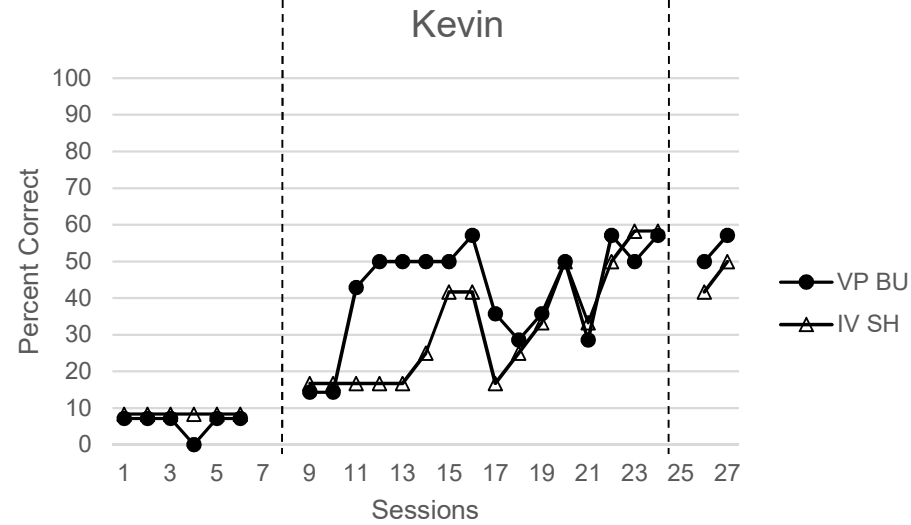
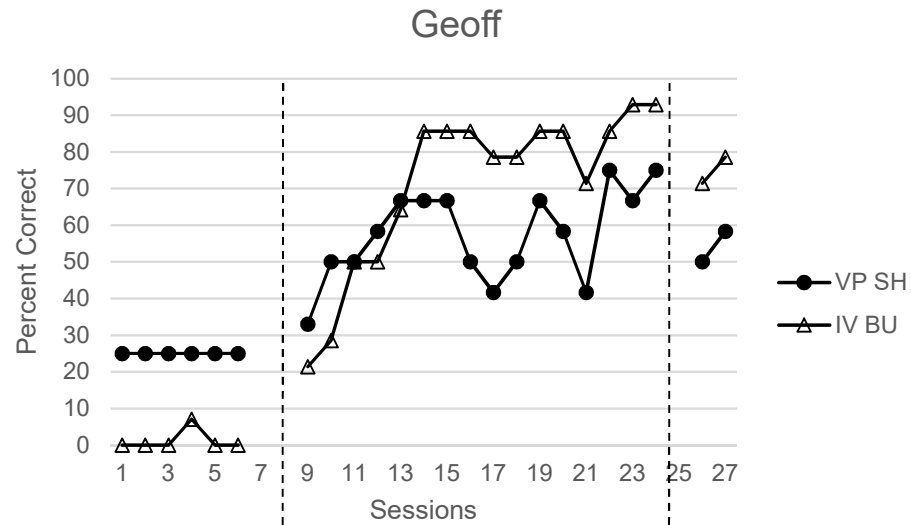
# Graphs

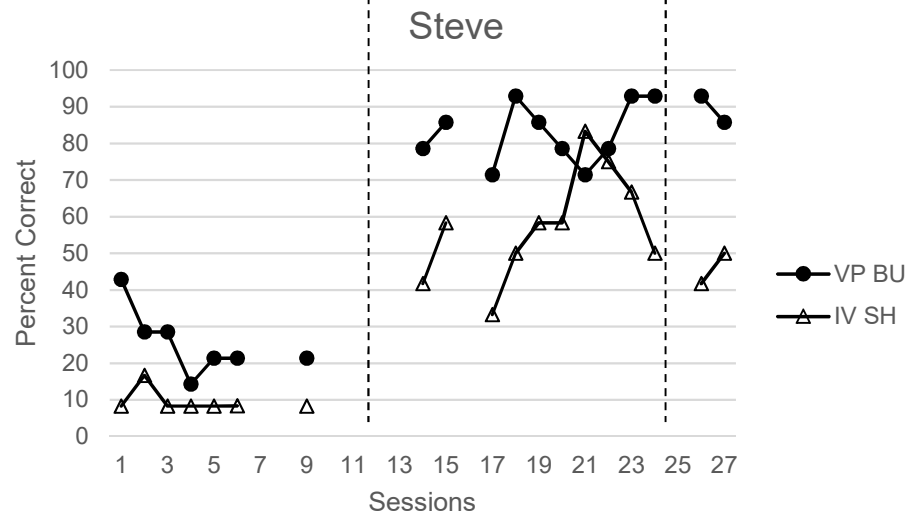
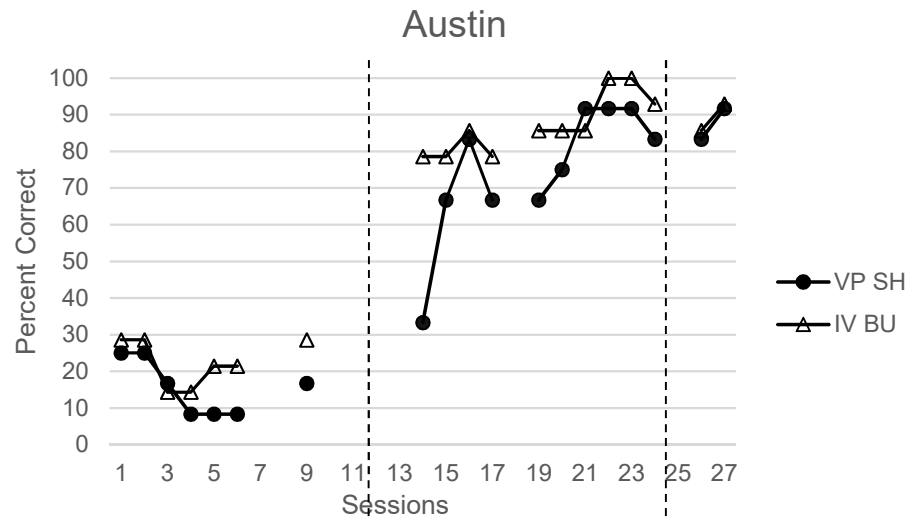
- Multiple Baseline Across Subjects
- Embedded Alternating Treatments
- Three Dyads













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



Shoe Tying Steps	Video Prompting	In Vivo Prompting
1	98.36%	96.72%
2	90.16%	70.49%
3	81.97%	77.05%
4	57.38%	49.18%
5	36.07%	21.31%
6	47.54%	37.70%
7	60.66%	47.54%
8	19.67%	11.48%
9	39.34%	22.95%
10	18.03%	18.03%
11	1.64%	3.28%
12	55.74%	42.62%

Buttoning Steps	Video Prompting	In Vivo Prompting
1	96.72%	86.89%
2	68.85%	90.16%
3	32.79%	18.03%
4	72.13%	88.52%
5	49.18%	42.62%
6	22.95%	49.18%
7	68.85%	62.30%
8	29.51%	63.93%
9	44.26%	50.82%
10	62.30%	62.30%
11	32.79%	59.02%
12	45.90%	59.02%
13	62.30%	63.93%
14	40.98%	60.66%



# Thank You!!