

Supplemental Material S4. Cognitive scaffolds implemented in intervention.

Cognitive function	Scaffolds
Executive function and visual attention	<ul style="list-style-type: none"> • Explicit prompts to focus on use of the self-cueing strategy (i.e., increase focused attention to strategy use rather than error) • Explicit prompts to detect onset of word finding difficulty or error production (i.e., increase focused attention to communicative output) • Tasks completed in isolation, with breaks between task change (i.e., reduce impact of task shifting)
Working memory	<ul style="list-style-type: none"> • Instructions delivered in short phrases / units of information (i.e., minimize length of information) • Instructions delivered once the participant has completed each step in the task (i.e., minimize demand on temporary storage) • Orthographic aids to support auditory information (i.e., minimize demand on temporary storage)
Verbal episodic memory	<ul style="list-style-type: none"> • Increased spacing of self-cue probe "when you cannot think of a word what should you do?" (i.e., spaced retrieval principles) • Minimum of 10 exposures to the self-cue strategy each session (i.e., draw on implicit memory) • Visual aids to support task auditory information (i.e., draw on other modalities to support information processing)
Visual recognition memory	<ul style="list-style-type: none"> • Expose participant to one self-cue support card at a time and increase to multiple cards as able (i.e., minimize demand on processing visual stimuli) • Expose participant to one picture for treated items at a time and increase to multiple pictures as able (i.e., minimize demand on processing visual stimuli)
Autobiographical memory	<ul style="list-style-type: none"> • A self-cue support card for all participants to elicit personal experiences (i.e., draw on personal associations with treated items) • Inclusion of personal stimuli (e.g., photographs) in phase 3 (communication partner prompted self-cueing) to elicit meaningful discourse