Using Constant Time Delay to Teach First Aid Skills

What is the evidence base?

- This is a promising practice for students with disabilities based on one methodologically sound single case study across four students with disabilities.

Where is the best place to find out how to do this practice?

The best place to find out how to implement constant time delay to teach first aid skills is through the following research to practice lesson plan starters:

- Using Backward Chaining to Teach First Aid Skills (Gast, Winterling, Wolery, & Farmer, 1992)

With who was it implemented?

- Students with
  - Intellectual Disability (1 study, n=4)
- Ages ranged from 17 - 21
- Males (n=2), females (n=2)
- Ethnicity
  - None reported (n=4)

What is the practice?

Constant time delay is a variation of time delay, a prompting procedure that uses variations in the time intervals between presentation of the natural stimulus and the response prompt. Time delay transfers stimulus control from a prompt to the natural stimulus by delaying the presentation of the prompt following the presentation of the natural stimulus. Constant time delay is implemented by presenting several trials using a 0-second delay between the presentation of the natural stimulus and the response prompt. The trials that follow the simultaneous prompt condition apply a fixed time delay (e.g., 3 seconds or 5 seconds; Cooper, Heron, & Heward, 2007).
In the studies used to establish the evidence base for using constant time delay to teach first aid skills included:

- Using backward chaining with a 5-second constant time delay to teach students to apply first aid to three simulated “injuries” including a minor cut, a burn, and an insect bite (Gast, Winterling, Wolery, & Farmer, 1992)

**Where has it been implemented?**

- Special Education Classroom (1 study)

**How does this practice relate to the Common Career Technical Core?**

- Health Science Career Cluster® (HL)
  - Identify existing and potential hazards to clients, coworkers, visitors and self in the healthcare workplace.
  - Evaluate the roles and responsibilities of individual members as part of the healthcare team and explain their role in promoting the delivery of quality health care.
  - Common Career Technical Core (CCTC)

**References used to establish this evidence base:**


This Practice Description was developed by The National Technical Assistance Center on Transition (NTACT), Charlotte, NC, funded by Cooperative Agreement Number H326E140004 with the U.S. Department of Education, Office of Special Education and Rehabilitative Services (OSERS). This document has been reviewed and approved by the OSERS. Opinions expressed herein do not necessarily reflect the position or policy of the U.S. Department of Education nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Department of Education. OSEP Project Officer: Dr. Seleste Avoke. RSA Project Officer: Kristen Rhinehart-Fernandez. This product is public domain. Authorization to reproduce it in whole or in part is granted. While permission to reprint this publication is not necessary, the citation should be: National Technical Assistance Center on Transition (2018). *Using Constant Time Delay to Teach First Aid Skills Practice Description*. 