



Access Language Arts—Research



Phase I: May to November 2013

Phase I investigated the effects of the iPad app, *Access Language Arts (ALA)*, on grade-aligned English language arts (ELA) skills for three students with intellectual disabilities. The reading level of student participants ranged from pre-K to K. Intervention occurred three times per week for 12 weeks using four, age-appropriate, adapted nonfiction texts. Students were evaluated on the number of correct responses on vocabulary and comprehension questions across Bloom's Taxonomy. The outcome of the single-case multiple probe design demonstrated a functional relationship between the iPad app and targeted ELA skills for all students.

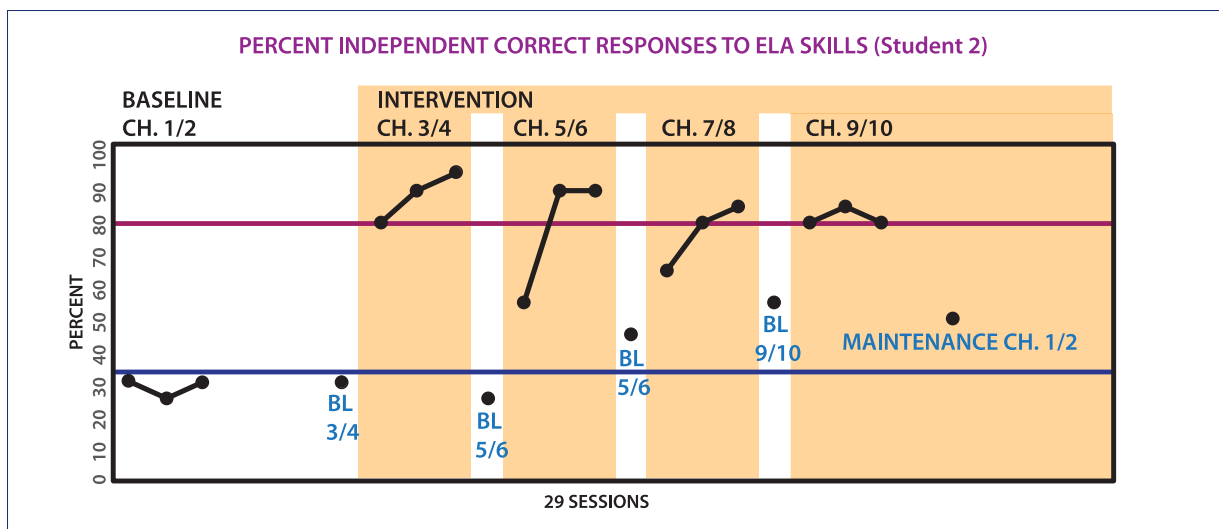
Research citation: Mims, P. J., & Stanger, C. (2015). *A language arts iPad application for middle school students with significant disabilities: Results from a single subject study*. Manuscript submitted for publication.

Phase II: May 2014 to May 2016

Three single-case multiple probe design studies have been completed in Phase II on comprehension, writing, and student-led research. The first study replicated the Phase I study with four students who have intellectual disabilities or autism (IQ range <40-50). This study used an adapted fiction novel, *The Outsiders*. The second study investigated the effects of the ALA writing component with three students who also had intellectual disabilities. They were provided instruction via the app on components of writing an opinion paragraph as well as constructing their own opinion paragraph after reading a grade-appropriate adapted text. The third study was with three students who have intellectual disabilities (IQ <40-50). This study focused on a student-led research intervention using KWHL prompting. In all cases, a functional relationship was established between the intervention and the percent of unprompted correct responses.

Randomized Control Trial—Year 2

In Year 2 of Phase II, a randomized control study was conducted using the ALA iPad app with approximately 50 students across 15 classrooms. Reading comprehension, writing, and student-led research using six adapted fiction and nonfiction texts were measured. Research summary coming soon!



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