

## SCOTT DUEKER, PhD, BCBA-D

<https://www.scottduekerbcbba.com/>

### EDUCATION

**The Ohio State University** Columbus, OH  
**Ph.D. in Special Education and Applied Behavior Analysis** May 2018  
**Advisor: Dr. Helen Malone, PhD**  
**Dissertation:** *Teaching a Learning Strategy for Computational Mathematics to Students with Moderate to Profound Intellectual Disabilities Using Video Prompting*

**Ball State University** Muncie, IN  
**Master of Arts in Applied Behavior Analysis** May 2013

**Indiana University** Bloomington, IN  
**Bachelor of Arts in Psychology and Telecommunications** December 1991

### RESEARCH

**Ball State University** Muncie, IN  
**Principal Investigator** August 2018-Present

- *Using Video Technology to Teach Mathematics Prerequisite Skills to Learners with Moderate to Severe Intellectual Disabilities: A Review of the Literature*
- Identifying skills required to perform basic mathematics
- Analyzing best practices in teaching prerequisite skills
- Informing skills for use in future studies with students

**Ball State University** Muncie, IN  
**Principal Investigator** August 2018-Present

- *Teaching Counting with 1:1 Correspondence to Learners with Severe Disabilities Using Video Prompting*
- Proposed study as a follow up to the literature review on prerequisite skills
- Utilize single subject multiple baseline design to provide video-based instruction to participants
- Task analyze the prerequisite skill and create videos of each step to use as the instruction for the learners

**The Ohio State University** Columbus, OH  
**Principal Investigator** August 2017 to Present

- *Dissertation: Teaching Computational Mathematics Strategies to Students with Moderate to Profound Intellectual Disabilities Using Video Prompting*
- Provided instruction on the use of a number line for addition and subtraction to early math learners
- Utilize single subject design using behavior analytic principles of prompting and task analysis
- Learners use self-directed video prompting using a tablet to watch videos to provide instruction

**Principal Investigator** April 2017 to Present

- *Teaching Addition to Learners with Moderate to Severe Disabilities Using Video Prompting*
- Served as pilot study for dissertation
- Two learners acquired single-digit addition skills and one acquired double-digit addition skills

- Learners maintained skills after the school year ended

**Principal Investigator**

April 2017 to Present

- *Using Technology to Teach Academics to Students with Moderate to Profound Disabilities: A Literature Review*
- Systematic investigation of studies targeting the use of technology to teach academic skills from 1970 to present
- Results found 44 studies that met criteria, indicating more research needs to be done
- Majority of studies focused on reading

**Principal Investigator**

March 2016 to Present

- *Video Prompting versus Least-to-Most Prompting in Acquisition of Self-Care Daily Living Skills in Children with Moderate to Severe Disabilities*
- Six learners acquired shoe-tying and shirt-buttoning skills through the use of video prompting
- Video prompting was more effective for one shoe-tying and undifferentiated for buttoning

**FUNDING**

**Ball State University**

Muncie, OH

**ASPiRE New Faculty Start-Up Grant**

- Awarded October 2018
- \$2700 award for new faculty members to help establish their research agenda
- Will be used for purchase of video equipment used in multiple future studies

**The Ohio State University**

Columbus, OH

**College of Education and Human Ecology Dissertation Fellowship**

August 2017-May 2018

- Monthly stipend plus tuition and fee waiver
- Allowed for focus solely on dissertation research
- Competitive award voted on by graduate committee

**College of Education and Human Ecology Small Dissertation Grant**

August 2017-May 2018

- \$500 grant to aid in completion of dissertation
- Used to purchase a tablet and create materials for use in the study
- Competitive award

**PUBLICATIONS**

**Published**

Brock, M. E., **Dueker, S. A.**, & Barczak, M. A. (2017). Brief Report: Improving social outcomes for students with autism at recess through peer-mediated pivotal response training. *Journal of Autism and Developmental Disorders*. 48(6). 2224-2230. DOI:10.1007/s10803-017-3435-3

Seaman, R. L., Cannella-Malone, H. I., & Brock, M. E., **Dueker, S. A.** (2017). Efficacy of paraprofessional-implemented video prompting to teach vocational skills to students with autism spectrum disorder. *Career Development and Transition for Exceptional Individuals*. 41(2). 68-76. DOI:10.1177/2165143417708191.

Brock, M. E., Cannella-Malone, H. I., Seaman, R. L., Andzik, N. R., Schaefer, J. M., Page, E. J., Barczak, M., & **Dueker, S. A.** (2017). Findings across practitioner training studies in special education: A comprehensive review and meta-analysis. *Exceptional Children*. 84(1). 7-26.  
DOI:10.1177/0014402917698008.

**Dueker, S.**, Hawk, N., Nelson, J. L., Nelson, M. J., Walterbusch, T., & Wargelin, L. A. (Eds.). Aras, A., Ayoub, S. S., Bhaktha, N., Brady, A. C., Bussell, K., **Dueker, S.**, Hall, S., Ham, M., Hawk, N., Jenkins, B. R., Kearney, R. C., Kim, Y., Kulesza, A. E., Kuznetcova, I., Lo, M., Mayo, J. W., Mulyadin, T., Nelson, J. L., Nelson, M. J., Paulson, J. L., Rivera, M. D., Robinson, S., Shi, Y., Tiba, E., Tornwall, J., Van Jura, M. J., Walterbusch, T., Wargelin, L. A., & Zhao, K. (2017). *Educational inequality in Ohio, 2016-17* (Research Methodology Center White Paper No. 1). Retrieved from [https://rmc.ehe.osu.edu/files/2015/10/EHE-RMC-White-Paper-001\\_Educational-inequality-in-Ohio\\_March17.pdf](https://rmc.ehe.osu.edu/files/2015/10/EHE-RMC-White-Paper-001_Educational-inequality-in-Ohio_March17.pdf)

### **In Press**

### **Submitted**

Brock, M. E., Dynia, J. M., **Dueker, S. A.**, Barczak, M. A. (2018). Teacher-Reported Priorities and Practices for Students with Autism: Measuring the Research-to-Practice Gap. Manuscript submitted for publication to Focus on Autism and Other Developmental Disabilities.

Brock, M. E., Barczak, M. A., **Dueker, S. A.**, & Seaman, R. L. (2108). Training paraprofessionals in a group context: A pilot feasibility study. Manuscript submitted for publication to Focus on Autism and Other Developmental Disabilities.

### **In preparation**

**Dueker, S. A.**, Cannella-Malone, H. I. (2018) Comparing Video Prompting Against Most-to-Least Prompting to Teach Two Personal Care Skills. Manuscript in preparation.

**Dueker, S. A.** (2018) Teaching Addition to Learners with Moderate to Severe Disabilities Using Video Prompting. Manuscript in preparation.

**Dueker, S. A.** (2018) Using Technology to Teach Academics to Students with Moderate to Profound Disabilities: A Literature Review. Manuscript in preparation.

**Dueker, S. A.** (2018) Creating Independent Learners by Fading Video Prompts: A Practitioner's Guide. Manuscript in preparation.

## **PRESENTATIONS**

### **International**

**Dueker, S. A.**, (September 2016). *Comparing Video Prompting Against In-Vivo Prompting to Teach Two Personal Care Skills*. Presentation of a research study on the use of video prompting at Association for Behaviour Analysis Australia National Conference, Melbourne, Australia.

### **National**

Brock, M. E., **Dueker, S. A.**, Barczak, M. (February 2018). *Improving Social Outcomes for Students with Autism at Recess Through Peer-Mediated Pivotal Response Training*. Presentation of completed study with Q & A at Council for Exceptional Children Annual Convention. Tampa, FL.

**Dueker, S. A.** (May 2017). *Comparing Video Prompting Against In-Vivo Prompting to Teach Two Personal Care Skills*. Presentation of completed research as part of a symposium titled “Recent Developments of Video-Based Instruction to Staff Train and to Teach Exercise and Personal Care Skills” as the Association for Behavior Analysis International annual conference. Denver, CO.

**Dueker, S. A.**, Andzik, N., Schafer, J., Seaman, R. (April 2016). *Using Video Prompting to Teach Leisure Skills to Students with Significant Disabilities*. Demonstration presentation on the use of video prompting at Council for Exceptional Children annual conference. St. Louis, MO.

### Regional

Brock, M. E., **Dueker, S. A.**, Barczak, M, Webster, L. (November 2018). *Building Social Connections at Recess Through Peer Networks*. Hands-on interactive presentation of completed study at Ohio Center for Autism and Low Incidence (OCALI) Annual Convention. Columbus, OH.

Brock, M. E., **Dueker, S. A.**, Webster, L. (November 2017). *How to Promote Social Connections at Recess with Peer Networks*. Hands-on interactive presentation of completed study at Ohio Center for Autism and Low Incidence (OCALI) Annual Convention. Columbus, OH.

Schaefer, J., **Dueker, S. A.** (November 2017). *Bug-in-ear as an Evidence-Based Tool for On-the-Job Training*. Poster presentation of completed study at Ohio Center for Autism and Low Incidence (OCALI) Annual Convention. Columbus, OH.

Seaman, R., **Dueker, S. A.**, Page, E. J. (April 2016). *Video Prompting: Implementation, Teaching, and Current Research*. Demonstration presentation of the use of video prompting at Ohio Association for Behavior Analysis annual conference. Columbus, OH.

**Dueker, S. A.** (October 2012). *Effects of Momentary Differential Reinforcement of Other Behavior on Rolling Behavior in a Young Man Diagnosed with Autism*. Poster presentation at the Hoosier Association for Behavior Analysis annual conference. Indianapolis, IN.

### Local

**Dueker, S. A.** (March 2018). *Using Video Prompting to Teach Addition to Students with Moderate Intellectual Disabilities*. Oral presentation of completed study at the Edward F. Hayes Graduate Research Forum. Columbus, OH.

**Dueker, S. A.** (February 2018). *Using Video Prompting to Teach Addition to Students with Moderate Intellectual Disabilities*. Oral presentation of completed study at the Ohio State University Education and Human Ecology Student Research Forum. Columbus, OH.

**Dueker, S. A.** (September 2017). *Using Video Prompting to Teach Addition to Students with Moderate Intellectual Disabilities*. Poster presentation of completed study at Crane Center for Early Childhood Research and Policy (CCEC) Symposium on Children. Columbus, OH.

**Dueker, S. A.** (July 2017). *Using Video Prompting to Teach Addition to Students with Moderate Intellectual Disabilities*. Poster presentation of completed study at OSU Research Methodology Center's Methods Festival. Columbus, OH.

**Dueker, S. A.** (July 2017). *Using Technology to Teach Academics to Students with Moderate to Profound Disabilities: A Literature Review*. Poster presentation of completed study at OSU Research Methodology Center's Methods Festival. Columbus, OH.

**Dueker, S. A.** (February 2017). *Comparing Video Prompting Against In-Vivo Prompting to Teach Two Personal Care Skills*. Demonstration presentation of completed study at the Ohio State University Education and Human Ecology Student Research Forum. Columbus, OH.

**Dueker, S. A.** (February 2016). *Comparison of Video Prompting Versus In-Vivo in Acquisition of Self-Care Daily Living Skills*. Poster presentation of proposed study at the Ohio State University Education and Human Ecology Student Research Forum. Columbus, OH.

## TEACHING

**Ball State University** Muncie, IN  
**Content Specialist/Instructor of Record** Autumn 2018

- Applied Behavior Analysis Course SPCE609: *Introduction to Applied Behavior Analysis*
- Semester-long course for graduate students on concepts related to applied behavior analysis
- Used online format to present the class materials
- Maintained records as specified by university requirements
- Aided in conversion of course materials from Blackboard to Canvas for the spring semester

**The Ohio State University** Columbus, OH  
**Instructor of Record** Summer 2018

- Special education course 8921: *Ethical and Legal Issues in Special Education*
- Semester-long course for graduate students on ethical considerations in special education and applied behavior analysis
- Created and used hybrid online format to present the class materials
- Maintained records as specified by university requirements

**The Ohio State University** Columbus, OH  
**Instructor of Record** Autumn 2017

- Special education course 5736: *Methods of Instruction I for Students with Moderate/Intensive Disabilities*
- Semester-long course for both graduate and undergraduate students
- Material included creation of Individualized Education Programs and assessment
- Utilized active responding in combination with lecture to guide students learning
- Maintained records as specified by university requirements

**The Ohio State University** Lima, OH  
**Instructor of Record** Summer 2017

- Special education course 5742: *Applied Behavior Analysis for Teachers*
- Summer-long semester course on applied behavior analysis for use in classrooms

- Semester-long course for both graduate and undergraduate students
- Adapted syllabus for compressed summer format
- Included the use of discussion boards to increase student engagement with materials
- Maintained records as specified by university requirements

**Ohio State University** Columbus, OH  
**Student Teacher Supervisor** August 2015-May 2016

- Provide guidance and monitoring for special education undergraduate student teachers
- Collaborate with mentor teachers to determine target skills in need of additional training
- Observed teaching sessions and provided feedback based on existing scoring rubric

**The Ohio State University** Columbus, OH  
**Graduate Teaching Assistant** Spring 2016

- Special education course 5737: *Methods of Instruction II for Students with Moderate/Intensive Disabilities*
- Spring semester course on behavioral methods of instruction in classrooms
- Graded assignments and aided students

**The Ohio State University** Columbus, OH  
**Graduate Teaching Assistant** Spring 2016

- Special education course 5738: *Reading Instruction for Children with Disabilities or Severe Reading Deficits*
- Spring semester course on behavioral methods of instruction in classrooms
- Graded assignments and aided students

**The Ohio State University** Columbus, OH  
**Guest Lecturer** February 2017

- Special education course 5742: *Applied Behavior Analysis for Teachers*
- Single lecture on functions of behavior, analysis of behavior, and strategies for behavior change

**Guest Lecturer** March 2016

- Special education course: *Methods of Instruction II for Children with Moderate/Intensive Disabilities*
- Single lecture on instruction for personal and daily living skills and health needs

**Guest Lecturer** November 2015

- Special education course: *Introduction to Applied Behavior Analysis*
- Single lecture on graphing conventions and functional analysis of behavior

**Guest Lecturer** November 2015

- Special education course: *Advanced Applied Behavior Analysis*
- Single lecture on use of group contingencies in classrooms

## SERVICE

**Department of Special Education Committees** Muncie, IN  
**Tucker Grant Committee** September 2018 to Present

- Review submissions for both research and travel grants for Ball State students

**Ad Hoc Diversity Committee** October 2018 to Present

- Working with other committee members to draft a diversity statement for the department based on both university policy and statements from similar institutions

**Ad Hoc ASL Contract Faculty Search Committee** November 2018 to Present

- Reviewed applications, interviewed candidates, and aided in recommending a hire for an open contract faculty position

**Muncie Community Schools Volunteer** August 23, 2018

- Provided support to school staff during a Back-To-School event for North View Elementary school.

**American Educational Research Association (AERA)** Columbus, OH

**Conference Proposal Reviewer** July 2018 to September 2018

- Review submissions for Division B - Curriculum Studies/Division B - Section 4: Policies and Politics (The Webbing of Curriculum) for the 2019 Annual Meeting of the American Educational Research Association (AERA) to be held in Toronto
- Provide feedback for all assigned proposals
- Meet all deadlines for reviews to allow enough time for submitters to be notified

**Higher Education Consortium for Special Education (HECSE)** Columbus, OH

**Doctoral Student Representative** January 2017 to May 2018

- Disseminate information relevant to special education to parties inside and outside the university
- Participate in lobbying and related activities to further the messaging of the organization
- Attend annual meeting in Washington, DC for lobbying efforts related to special education
- Selected as one of ten doctoral students to attend seminar in Washington DC

**Graduate Studies Committee Member** Columbus, OH

**Student Representative** September 2016 to May 2018

- Sole student representative to the committee to oversee and administer the graduate degree programs for education
- Act as liaison between the Graduate School and the Graduate Faculty members in the program
- Approve departmental program changes and petitions from students with full voting rights

**Education and Human Ecology Research Forum** Columbus, OH

**Project Reviewer** November 2015, 2017

- Review and rate graduate student submissions to the EHE Research Forum
- Provide constructive feedback on submission to promote improvement

**Center for Sexual Education National Conference** New Brunswick, NJ

**Project Reviewer** May 2015

- Review and rate presentation proposals for 2015 national conference
- Utilized rubric to evaluate quality of presentations

## FIELD EXPERIENCE

### **Ball State University**

Muncie, IN

#### **Assistant Professor, Tenure Track**

August 2018-Present

- Primary responsibilities include teaching courses related to applied behavior analysis (ABA) primarily via distance education
- Engaging in scholarly activities including research
- Program evaluation
- Grant writing
- Serving on doctoral committees
- Providing service to the university and community

### **Partnership for Behavior Change**

South Bend, IN

#### **Senior Behavior Analyst**

November 2014-Present

- Create treatment plans for learners with varying levels of developmental disabilities
- Maintained client load of between four and 10 clients
- Provide consultation services for clients and schools
- Oversee implementation of the treatment plans by behavior technicians
- Conduct assessments for new clients and reassessments for current clients
- Trained staff on behavior analytic techniques
- Provide therapy with learners as needed

### **Behavior Analysis Center for Autism**

Elkhart, IN

#### **Clinical Director**

June 2011-November 2014

- Oversaw clinical operations for a clinic with 15 to 20 clients diagnosed with autism and other developmental disabilities
- Responsible for personnel and operations decision making
- Provided consultation services to behavior analysts and therapists
- Trained staff on behavior analytic techniques
- Presented seminars for parents and community organizations on disabilities and behavior analysis
- Conducted assessments for new clients and reassessments for current clients

## AWARDS

### **The Ohio State University**

Columbus, OH

#### **Thomas and Evelyn Stephens Scholarship in Special Education**

August 2017-May 2018

- Sole recipient of \$2200 award
- Scholarship for a graduate student planning on career in special education programs

#### **Cooper, Heron, and Heward Educational Scholarship**

August 2016-May 2017

- Sole recipient of \$1500 award
- Scholarship for doctoral student in special education/applied behavior analysis program

#### **Marilyn Ruth Hathaway Educational Scholarship**

August 2015-May 2016

- One of 10 recipients of \$750 award
- Scholarship for students preparing to become teachers



## HONORS

- Council for Exceptional Children, Division of Research Doctoral Student Scholar 2017-2018
- One of ten doctoral students selected from international nominations by the Division of Research Committee.
- Cambridge Center for Behavioral Studies, Student Fellow 2016-2018
- Nominated position that provided opportunities to interact with and learn from figures in the field of behavior analysis
  - Conducted projects for the center to improve the website and connect with trustees

## CERTIFICATIONS

Board Certified Behavior Analyst, 2014 (1-14-16045)  
R.E.A.C.H. Suicide Gatekeeper

## AFFILIATIONS

- American Educational Research Association, Member 2018 to Present
- Association of Professional Behavior Analysts, Member 2018 to Present
- Cambridge Center for Behavioral Studies, Student Fellow 2016 to Present
- Association for Behaviour Analysis Australia (ABAA), Member 2016 to Present
- Council for Exceptional Children (CEC), Member 2015 to Present
- Division of Research
  - Division on Autism and Developmental Disabilities
  - Technology and Media Division
- Association for Behavior Analysis International (ABAI), Member 2015 to Present
- Dissemination Special Interest Group
  - Verbal Behavior Special Interest Group
- Ohio Association for Behavior Analysis (OHABA), Member 2015 to Present
- Hoosier Association for Behavior Analysis (HABA), Member 2012 to Present