***Curriculum Vita***

**Elizabeth R. Lorah**

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**Educational Background**

Doctor of Philosophy: Educational Psychology, Temple University, Philadelphia, PA (2012)

 Dissertation: Comparing Picture Exchange and a Voice Output Communication Aid in Young Children with Autism

Master of Science in Education: Applied Behavior Analysis, Temple University, Philadelphia, PA (2009)

 Thesis: The Establishment of Peer Manding and Listener Reposing in Young Children with Autism

Bachelor of Arts: Psychology *cum laude*, Temple University, Philadelphia, PA (2005)

**Certifications**

Board Certified Behavior Analyst- Doctoral

 Certification Number: 1-10-7545

**Professional Experiences**

2013-Present Assistant Professor, Tenure Track, Special Education, University of Arkansas, Fayetteville, AR

2012-2013 Adjunct Instructor, Psychology, Temple University, Philadelphia, PA

2012-2013 Adjunct Instructor, Special Education, Holy Family, Philadelphia, PA

2010-2012 Research Assistant, University of Pennsylvania's Center for Autism Research, Philadelphia, PA

2009-2012 Behavior Analyst and Clinical Supervisor, Gamut Early Intervention Services, Montgomery County, PA

2005-2011 Behavior Analyst, Team Leader, Behavior Technician, Elwyn Inc. Philadelphia, PA

**Scholarly Productivity**

**Refereed Journal Publications**

Lorah, E. R., Karnes, A., & D. R. Speight. (2015). The acquisition of intraverbal

 responding using a speech-generating device in school aged children with autism. *Journal of Developmental and Physical Disabilities*, 27, 557-568.

Gilroy, S. P., Lorah, E. R., Dodge, J., & Fiorello, C. (2015). Establishing deictic repertoires

 in autism. *Research in Autism Spectrum Disorder*. DOI: 10.1016/j.rasd.2015.04.004

Lorah, E. R., Hineline, P. N., & Gilroy, S. P. (2014). The establishment of peer manding and

 listener responding in young children with autism. *Research in Autism Spectrum*

 *Disorder*, *8*, 61-67.

Lorah, E. R., Crouser, J., Gilroy, S. P., Tincani, M., & Hantula, D. (2014). Within stimulus

 prompts to teach picture discrimination using a speech-generating device. *Journal of Developmental and Physical Disabilities*. DOI: 10.1007/s10882-014-2314-4.

Lorah, E. R. & Parnell, A. (2014). The acquisition of letter writing using a portable multi-media

 player in young children with developmental disabilities. *Journal of Developmental and Physical Disabilities*. DOI: 10.1007/s-014-9386-0.

Lorah, E. R., Parnell, A., & Speight, D. R. (2014). Acquisition of sentence frames using the

 iPad as a speech-generating device in young children with developmental disabilities. *Research in Autism Spectrum Disorder*, *8*, 1634-1740.

Lorah, E. R., Parnell, A., Schafer Whitby, P., & Hantula, D. (2014). A systematic review of

 tablet computers and portable media players as speech generating devices for individuals with autism spectrum disorder. *Journal of Autism and Developmental Disabilities*. DOI: 10.1007s/014-2314-4.

Lorah, E. R., Tincani, M., Dodge, J., Gilroy, S. P., Hickey, A., & Hantula, D. (2013).

 Evaluating picture exchange and a voice output communication aid in young children

 with autism. *Journal of Developmental and Physical Disabilities*, *25*, 637-649.

Lorah, E. R. (under review). Evaluating the iPad mini as a speech-generating device in the

 acquisition of a discriminative mand repertoire in young children with autism.

 *Focus on Autism and Other Developmental Disabilities*.

Lorah, E.R., & Karnes, A. (under review). Mand distance training using the iPad and

application proloqu2Go as a speech-generating device. *Journal of Developmental and Physical Disabilities*.

Mancil, G. R., Lorah, E.R., & Whitby, P. (under review). The effects of iPod touch technology

as communication devices on peer social interactions within the classroom. *Education and Training in Autism and Developmental Disability.*

Lorah, E.R., & Karnes, A. (under review). The acquisition of listener responding using the iPad and application language builder. *Research in Autism Specturm Disorders*.

Karnes, A., & Lorah E.R. (in preparation). Evaluating the iPad as a speech generating device for the acquisition of intraverbal animal sounds.

Parnell, A., Lorah, E.R., & Karnes, A. (in preparation). The use of job aids and performance

based feedback to increase the fidelity of discrete-trial instruction.

**Invited Publications**

Lorah, E. R., & Karnes, A. (in press). The comparison of infant-directed speech and infant-

directed song on the acquisition of listener responding in children with autism. *Evidence- Based Communication and Assessment*.

Lorah, E. R., Karnes, A., & Speight, D. R. (2015). Autism and technology: Process over hype.

 Behavior Analysis and Technology: A Special Interest Group of the Association for Behavior Analysis International.

Lorah, E. R., An, M. J., Grinley, S. E., Kunnath, G. C., & Tincani, M. (2014). Prompt delay and

 vocal prompting may increase vocal responses in children with developmental disabilities (Commentary). *Evidence-Based Communication and Assessment.*

Tincani*,* M., & Lorah, E. R. (2012). The picture-exchange communication system (PECS) to

 increase functional communication of adults with intellectual disability (Commentary).

 *Evidence-Based Communication and Assessment, 5,* 168-170.

**Book Chapters**

Tincani, M. & Lorah, E. R. (2014). Defining, measuring, and graphing behavior. In F. Brown,

 J. Anderson, & R DePry (Eds.), Individual positive behavior supports: A standards-based guide to practices in schools and community-based settings. Baltimore, MD: Paul H. Brookes.

**Review Activity**

 **Journal Editorial Boards**

The Behavior Analyst 2015-2018

Ad hoc Journal and Conference Reviews

Research in Autism Spectrum Disorders February, 2014- Present

Journal of Positive Behavior Interventions September, 2011- Present

Journal of Organizational Behavior Management January, 2013

Medical Journals January, 2014

Journal of Autism and Developmental Disabilities February, 2014 & October 2013

Southeastern Psychological Association October, 2013

**Grant Reviews**

National Science Foundation October, 2014

**Grant Activities**

2015 Lorah, E.R. (PI) The use of tablet technology as a speech-genearting deive for children with autism spectrum disorders: A randomized control trial. *The Organization for Autism Research*. $30,000 (Under Review; Pre Proposal Accepted)

2014 Lorah, E.R. (PI) The use of tablet technology as a speech-genearting deive for children

with autism spectrum disorders. *National Institute of Mental Health: Research in Autism Spectrum Disorders*. $25,000 (Not Funded)

2014 Lorah, E R. (PI) The evaluation of tablet technology in the development of a comprehensive curriculum for autism intervention. *The Organization for Autism Research*. $30,000 (Not Funded)

2014 Lorah, E.R. (PI) Using tablet technology in early intensive behavior analystic autism treatment. *National Institute of Mental Health: Research in Autism Spectrum Disorders.* $50,000 (Not Funded)

**Grant Funded Research Experience**

2011-2012 (Research Assistant) The University of Pennsylvania's Center for Autism Research, Philly Autism Instructional Methods Study (AIMS).

 Funding Source: Institute of Education Sciences.

2009-2010 (Research Assistant) Temple University, Autism Research Project.

 Funding Source: Organization for Autism Research.

**Professional Presentations**

Lorah, E.R., & Elksen, K. (2015). Evaluating speech-generating devices in intraverbal

 acquisition. Association for Behavior Analysis International, San Antonio, TX.

Lawless, H., Lorah, E. R., & Karnes, A. (2015). The use of multi-media players in the

 acquisition of handwriting skills. Association for Behavior Analysis International, San Antonio, TX.

Karnes, A., & Lorah, E. R. (2015). The use of speech generating devices in the acquisition of

 animal sounds. Association for Behavior Analysis International, San Antonio, TX.

Speight, D. R., Lorah, E. R., & Karnes, A. (2015). Comparing teacher preferences for

 communication modalities. Association for Behavior Analysis International, San

 Antonio, TX.

Lorah, E. R., Parnell, A., Speight, D. R., Karnes, A., Lawless, H., & Elsken, K. (2015). Applied

 behavior analysis at the University of Arkansas. Association for Behavior Analysis

 International, San Antonio, TX.

Parnell, A., & Lorah, E. R. (2015). The use of job aids and performance based feedback to

 increase therapist fidelity. Association for Behavior Analysis International, San

 Antonio, TX.

Lorah, E. R., Crouser, J., Gilroy, S. P., Tincani,, M. & Hantula, D. (2014). Within stimulus

 prompts to teach picture discrimination using a speech-generating device. American

 Psychological Association, Washington, D. C.

Lorah, E. R. (2014). Applied behavior analysis at the University of Arkansas. Association for

 Behavior Analysis International, Chicago, IL.

Lorah, E. R., Parnell, A., & Schafer-Whitby, P. (2014). Tablet based technology to teach

 sentence frame discriminations to young children with autism. Association for Behavior

 Analysis International, Chicago, IL.

Lorah, E. R., Tincani, M., Gilroy, S. P., & Hantula, D. (2013). Evaluating picture exchange and

 a voice output communication aid in young children with autism. California Association for Behavior Analysis, Orange County, CA.

Gilroy, S. P., Lorah, E. R., & Dodge, J. (2013). The use of technology to teach framing to

 children with autism. Association for Behavior Analysis International, Chicago, IL.

Alsaadi, R. & Lorah, E. R. (2013). Increasing shift attendance through task clarification and

 token-economy feedback. Association for Behavior Analysis International, Minneapolis, Minnesota.

Gilory, S. P., Dodge, J., & Lorah, E. R. (2013). Teaching students with autism to respond to

 deictic frames: A systematic replication of a naturalistic approach. American

 Psychological Association, Honolulu, Hawaii.

Lorah, E. R., Tincani, M., Gilroy, S. P., & Hantula, D. (2013). Evaluating picture exchange and

 the iPad as a voice output communication aid in young children with autism. Association for Behavior Analysis International, Minneapolis, Minnesota.

Lorah, E. R., & Hineline, P. N. (2011). The establishment of peer manding and listener

 responding in young children with autism. Association for Behavior Analysis

 International, Denver, Colorado.

Lorah, E. R., & Bernard, J. B. (2010). Which approach: How different are they? Association for Behavior Analysis International, San Antonio, TX.

Lorah, E. R., & Bernard, J. B. (2010). Which approach: How different are they? Pennsylvania

 Technical Assistance end of year meeting for Competent Learner Model staff.

Lorah, E. R., Hineline, P. N., Tincani, M., Connell, J., Hantula, D., Boyer, J., Axelrod, S., &

 Eisenhart, D. Behavior analysis at Temple University EXPO Poster. Association for

 Behavior Analysis International, San Antonio, TX.

**Other Invited Presentations**

Lorah, E. R. (2015). Autism spectrum disorders. Presented at the Arkansas Rehabilitation

 Association, Hot Springs, AR.

Lorah, E. R. (2014). People first language. Presented at the Arkansas Transit Association

 Annual Meeting, Eureka Springs, AR.

Lorah, E. R. (2014). People first language. Presented at the Sunshine School and Development

 Center Professional Development, Rogers, AR.

Lorah, E. R. (2014). Ethics in behavior analysis. Presented at the University of Arkansas

 Autism Symposium, Fayetteville, AR.

**Professional Development Trainings**

Lorah, E. R. (2013). Data collection strategies. Sunshine School and Development Center,

 Rogers, AR.

Lorah, E. R. (2013). Applications of technology for the learner with autism. Gamut Early

 Intervention Services, Montgomery County, PA.

Gilroy, S. P., & Lorah, E. R. (2012). Social language development. Philadelphia School

 District. Philadelphia, PA.

Lorah, E. R. (2012). The development and maintenance of a comprehensive home program for

 the autistic spectrum learner. Gamut Early Intervention Services, Montgomery County, PA.

Dodge, J., & Lorah, E. R. (2011). Introduction to STAR. Philadelphia School District,

 Philadelphia, PA.

Lorah, E. R. (2011). STAR: Discrete-trial instruction. Philadelphia School District,

 Philadelphia, PA.

Lorah, E. R. (2010). Advanced discrete-trial instruction and natural environment teaching.

 Gamut Early Intervention Services, Montgomery County, PA.

Lorah, E. R. (2008). Relationship development intervention. Elwyn Inc. HEART program.

**Teaching Experience**

2013- Present The University of Arkansas, Curriculum and Instruction, Graduate

 Certificate in Applied Behavior Analysis

Basic Principles of Behavior Analysis Fall 2013, 2014, & 2015

Assessment in Behavior Analysis Spring 2014 & 2015

Behavior Change Procedures Spring 2014 & 2015

Ethic in Behavior Analysis Summer 2014 & 2015

Measurement and Experimental Design Summer 2014 & 2015

Practicum in Applied Behavior Analysis Fall, Spring, & Summer 2014 & 2015

Special Topics in CIED:RBT Training Summer 2014 & 2015

Doctoral Research Internship Fall 2014, Spring & Summer 2015

2012-2013 Temple University, Psychology Department, Undergraduate Teaching

Human Performance Improvement Fall, 2012

Learning and Behavior Analysis Fall 2012 & Spring 2013

Capstone in Autism Spring 2013

2012 Holy Family University, Special Education Department, Graduate School

Instructional Strategies for the ASD Learner Fall 2012

Collaboration in Special Education Summer 2012

**Course Development**

2013-2014 University of Arkansas, Graduate Certificate in Applied Behavior Analysis

Basic Principles of Applied Behavior Analysis

Assessment in Behavior Analysis

Ethical, Professional, and Legal Standards

Behavior Change Procedures

Measurement and Experimental Deign

Practicum in Applied Behavior Analysis (Remote and Intensive Practicum)

Special Topics in CIED: Registered Behavior Technician Training

Doctorate Research Internship

2012 Temple University, Bachelor of Arts in Psychology

Learning and Behavior Analysis

Capstone in Autism Spectrum Disorder

**Professional Leadership and Service Activities**

**Professional and University Leadership**

University of Arkansas Special Education Autism Clinic September, 2013-Present

Board of Directors, Sunshine School and Development Center August, 2014-Present

Temple University's Student Representative to the ABAI Student Council May, 2012

Organizer of the Temple Chapter of the Black Scorpions Literary Society 2009-2013

**University, College, and Department Committees**

Department of Curriculum & Instruction, Peer Review Committee Member 2015-Present

College of Education & Health Professionals, Web Learning Committee Member 2013-Present

Department of Curriculum & Instruction, Graduate Faculty Committee Member 2013- Present

**Professional Consultations**

August, 2014-Present Pea Ridge School District, AR

October, 2014- Present Arkansas Support Network, AR

October, 2014-Present Rogers School District, AR

December, 2013- June, 2014 Partners for Inclusive Practices, AR

**Professional Affiliations**

Association for Behavior Analysis International

American Psychological Association

Arkansas Association for Behavior Analysis

Southeastern Psychological Association

Council for Exceptional Children

**Honors and Awards**

2010 Society for the Advancement of Behavior Analysis Grant

2010 Temple University Student Presenter Award