



Partnership for
Effective Programs
for Students with
Autism



Center for Autism
and Related Disabilities

UNIVERSITY OF CENTRAL FLORIDA

Solve It! Teaching Mathematical Word Problem Solving to Students with ASD

Presented by: Peggy Schaefer Whitby, Ph.D., BCBA-D

Hosted by: UCF CARD

About the Presenter

Peggy Schaefer Whitby, Ph.D, BCBA-D, is an associate professor at the University of Arkansas and the program coordinator for Inclusive Education and Clinical Programs. Dr. Whitby has worked in the area of special education and applied behavior analysis for more than 20 years. She specializes in autism spectrum disorder (ASD). Dr. Whitby's research interests are in the area of providing support to children with ASD in school settings. This includes mathematical word problem solving, skill acquisition in academics, and sexuality education. She has multiple publications in peer-reviewed journals and book chapters on educating children with autism, and is the author of *Solve It*. Dr. Whitby is passionate about educational services for children with autism, as she believes this population has so much to offer yet is at great risk for not reaching their full potential unless proper educational supports are provided.

Training Description

Target Audience: SLPs, BCBAs, Teachers, Parents, and Other Professionals

The mathematics curriculum is one of the most difficult for many children. For children with autism, these difficulties are made more pronounced by language and executive-functioning deficits. Children with autism deserve to be provided with the tools they need to be successful in applied problem solving. This workshop will introduce the Solve It! problem solving routine, a strategy-instruction curriculum developed by Montague (1996) and adapted for children with autism by Schaefer Whitby (2018). The curriculum consists of teaching students seven cognitive strategies and three meta-cognitive strategies. Solve It! can be an effective intervention as it capitalizes on the student's strengths, rote/procedural knowledge, and visual reasoning while supporting learning weaknesses, conceptual knowledge, and abstraction. Three case studies and work samples will assist participants in understanding the unique issues that children with autism may encounter when learning to solve word problems.

Training Objectives

Participants will be able to:

- Understand how to teach mathematical word problem solving using the Solve It! word problem strategy.
- Modify and assess the effectiveness of the Solve It! problem solving routine on mathematical word problem solving for students with autism and extend instruction using procedural facilitation for those who do not readily acquire this strategy.
- Describe procedures and instruments appropriate for an augmentative and alternative communication (AAC) assessment in non-verbal ASD as well as identify strategies for using iPad or SGS to teach initial symbol vocabulary and facilitate natural speech development.
- Describe the major steps of parent training for using an iPad or speech-generating device during family-based AAC intervention.
- Know how to engage minimally-verbal learners with ASD in generative language learning using AAC applications.

Date:

August 1, 2019

8:30 am – 3:30 pm

Registration begins at 8:00 am

Location:

Nova Southeastern University

4850 Millenia Blvd.

Orlando, FL 32839

Registration Deadline:

July 29, 2019

Limited to first 100 participants

Register Online:

<http://doepartnership.fmhi.usf.edu/trainings.html>

Registration is mandatory.

For more information contact:

ucfcard@ucf.edu

or (407) 823-6011

Directions:

For directions, click [HERE](#).

Be sure to contact your ESE District Staff or Staff Development Contact to determine the process for receiving in-service.



Regional Trainings are hosted by the Center for Autism and Related Disabilities, through the Partnership for Effective Programs for Students with Autism (PEPSA), a program funded by the State of Florida, Department of Education, K-12 Public Schools, Bureau of Exceptional Education and Student Services, through federal assistance under the Individuals with Disabilities Education Act (IDEA), Part B.

www.DOEpartnership.org