Florida State University's Autism Institute

2023 Summer Training Institute on Autism: Advances in Evidence-Based Practice for Autism Spectrum Disorder

June 13 – June 15, 2023

Presenter: Kara Hume, Ph.D

Title and Format: "Being Happy is My Dream:" Postsecondary Aspirations of Autistic Youth (PDF of

PowerPoint slides)

Date: June 14, 2023

Brought to you by:









"Being happy is my dream": Postsecondary Aspirations of Autistic Youth

Kara Hume, Ph.D. & Jessica Steinbrenner, Ph.D. University of North Carolina, Chapel Hill

Kara.hume@unc.edu & jessica.Dykstra@unc.edu

Learning Objectives

- 1. Describe the post-secondary experiences and aspirations of autistic young adults related to employment, post-secondary education, and social engagement.
- 2. Identify 3 areas of high school programming that the young adults noted could be improved to better support them in reaching their post-secondary goals.
- 3. Learn how to implement 3 related strategies/curriculum areas/structural changes that the young adults noted could be improved to better support them in reaching their post-secondary goals.

Language use: Will be using identity first language, or "on the spectrum" per Botha, Hanlon, & Williams, 2021



Beginning with Acknowledgements and Thank Yous

Leann Smith-DaWalt

Kate Szidon

David Test

Diane Browder

Kathv Fallin

Janine Stichter

Sharon Vaughn

Colleen Reutebuch

- **Center on Secondary Education for Students** with Autism (CSESA)
 - Kara Hume

 - Sam Odom
 - Jessica Steinbrenner Erik Carter
 - Ann Cox
 - Becky Dees
 - Brianne Tomaszewski.....Catherine Fowler
 - Suzanne Kucharczyk
 - Victoria Waters
 - Laura Hall
 - Bonnie Kraemer
 - Chris Brum
 - Shayla Green

Post-Doctoral Fellows and Doctoral Students

- Melissa Savage
- Kristi Morin
- Susan Hedges
- Tara Regan
- Sara McDaniel
- Beth Pavez
- Delia Kan
- Nancy McIntyre
- Lindsay Rentschler
- Veronica Fleury
- +many more across 7 universities

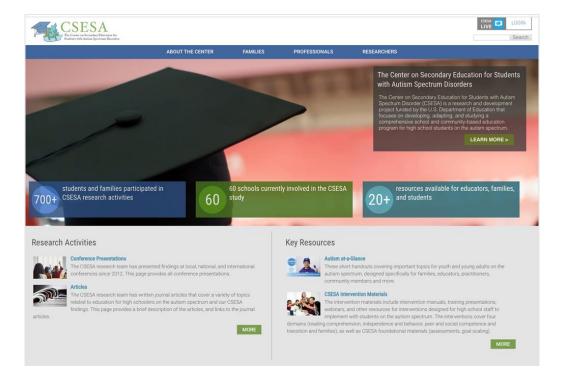
Autistic youth and their families and the school staff members who have studies.

The research reported here was supported by the Institute of Education Sciences, U.S. Department of Education through Grant R324C120006 and R324A180091 awarded to UNC-Chapel Hill. The opinions expressed represent those of the authors and do not represent of the Institute of the U.S. Department of Education.

CSESA Resources



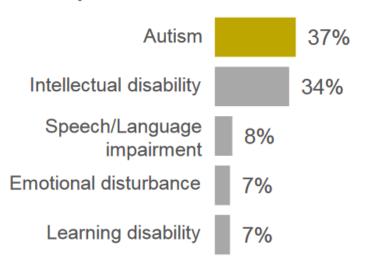
The CSESA website (link via QR Code) has dozens of free resources available for researchers, practitioners, families, and youth.



Why are these experiences and aspirations important to know?

 Studies have documented that many autistic individuals experience markedly less involvement during adulthood compared to their peers across a range of outcomes (Anderson et al., 2014; Gotham et a., 2015; Shattuck et al., 2012) What happened to young adults with autism between high school and their early 20s?

More young adults with autism were disconnected from both work and education than their peers with other disabilities.



Percent never worked or went to school

National Autism Indicators Report: Transition into Young Adulthood. A.J. Drexel Autism Institute's Life Course Outcomes Research Program, 2015. drexe.lu/autismindicators

Why are these **experiences and aspirations** important to know?

- Many of this data are from cohorts that aged into the adult system many years ago and/or samples that offer limited diversity
- Limited data from autistic viewpoint



Why are these **experiences and aspirations** important to know?

 Provides insight into programming, supports, and experiences we can provide in high school (& beyond)



Who are these young adults?

CSESA Study



About CSESA

- Research & Development Center funded by the Department of Education (IES)
- Purpose: To develop and study a comprehensive high school program for autistic students

CSESA Sample

- Two cohorts of schools enrolled for 2 years each
- 60 high schools in 3 states (NC, WI, CA)
- 547 autistic students
- 539 school staff

CSESA Follow-Up Study

- Followed CSESA participants into young adulthood
- Data collection occurred ~4 years after enrollment in CSESA study (~2 years after study completion)
- Successfully recruited approximately 38% of the original sample (n = 211)

How did we gather this data?

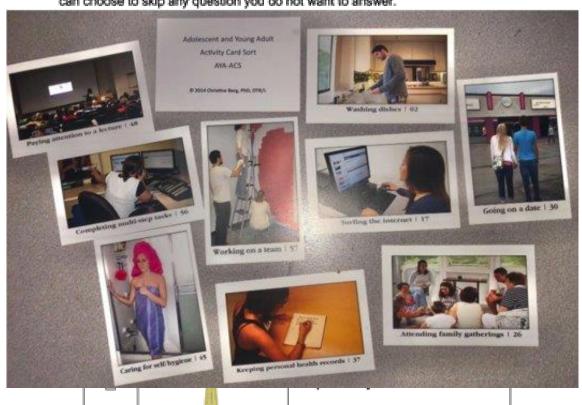
Methods

- Young adults (YAs)
 completed questionnaires
 and interviews on a
 variety of topics including
 education, employment,
 social and community
 participation, and hopes &
 aspirations
- Reflected on high school experiences as well
- One time point



Young Adult Check-In

Thank you for participating in the CSESA project! We are using these questions to learn more about life after high school. Your participation is voluntary and you can choose to skip any question you do not want to answer.



Post-Secondary Education Experiences

Life During High School/Transition Program

In this section, we are going to ask you about activities during high school/transition program.

Taking Classes:	i ji ji	① No	In the Middle	O Yes
6) I take, or have taken, classes son	newhere	1		3
different than my high school.		N = 14 % = 58		N = 10 % = 41.7
6a) If "Yes",		1	2	3
I liked the classes.		N = 0	N = 3	N = 7
		% = 0	% = 30	% = 70

Post-Secondary Employment Experiences

Work:	① ~ I	O In the Middle	O Yes
7) I have, or had, a job.	1		3
	N = 9		N = 15
	% = 37.5		% = 62.5
7a) If "Yes",	1	2	3
I like the job I have/had.	N = 0	N = 2	N = 13
	% = 0.0	% = 13.3	% = 86.7

Social & Community Engagement Experiences

Social Activities During High School:	① ~ I	O In the Middle	O Yes
8) I have friends.	1		3
	N = 6		N = 22
	% = 21.4		% = 78.6
9) I like my friends.	1	2	3
	N = 0	N = 1	N = 21
	% = 0.0	% = 4.5	% = 95.5
10)I call or text my friends.	1		3
	N = 10		N = 18
	% = 35.7		% = 64.3
11)I like calling and texting my friends	1	2	3
	N = 0	N = 1	N = 17
	% = 0.0 % = 1:9	%=5.6 %=15.1	%=94.4 %=03.∪

How are high schools preparing autistic youth for postsecondary life?

From youth still in high school

High School/Transition Program Experiences

First, we would like to know your feelings about high school/transition program:	① 7	O In the Middle	O Yes
1) I like my high school or transition	1	2	3
program.	N = 1 % = 4.2	N = 4 % = 16.7	N = 19 % = 79.2
2) My high school/transition program is	1	2	3
getting me ready to live on my own.	N = 5 % = 20.8	N = 3 % =12.5	N = 16 % = 66.7
3) My high school/transition program is	1	2	3
getting me ready to get a job.	N = 6 % = 25.0	N = 4 % = 16.7	N = 14 % = 58.3
4) My high school/transition program is	1	2	3
getting me ready to do activities with other people.	N = 4 % = 16.7	N = 6 % = 25.0	N = 14 % = 58.3
5) My high school/transition program is	1	2	3
getting me ready to take classes after high school.	N = 5 % = 20.8	N = 7 % = 29.2	N = 12 % = 50.0

From young adults 1-4 years post high school

First, we would like to know your feelings about high school:	① ~ I	O In the Middle	O Yes
1) I liked my high school.	1	2	3
	N = 9	N = 30	N = 104
	% = 6.3	% = 21.0	% = 72.7
2) My high school prepared me for my life	1	2	3
now.	N = 19	N = 52	N = 72
	% = 13.3	% = 26.4	% = 50.3
3) My high school prepared me for going to	1	2	3
work.	N = 35	N = 38	N = 69
	% = 24.6	% = 26.8	% = 48.6
4) My high school prepared me to do	1	2	3
activities with other people.	N = 21	N = 43	N = 78
	% = 14.8	% = 30.3	% = 54.9
5) My high school prepared me for taking	1	2	3
classes after high school.	N = 31	N = 41	N = 68
	% = 22.1	% = 29.3	% = 48.6

What could we do differently in high schools to better support the aspirations of autistic young adults?

Learning Objectives

- 1. Describe the post-secondary experiences and aspirations of autistic young adults related to employment, post-secondary education, and social engagement.
- 2 Identify 3 areas of high school programming that the young adults noted could be improved to better support them in reaching their post-secondary goals.
- 3. Learn how to implement 3 related strategies/curriculum areas/structural changes that the young adults noted could be improved to better support them in reaching their post-secondary goals.



Three areas of high school to improve

Creating Creating Building Building Teaching Teaching Teaching Teaching school & Teaching explict transition related skills

1. Creating neurodiversity affirming schools

'If everyone took the time to understand kids with disabilities they would understand..." Not very supportive of my disability identity I suppose I would enjoy finding a group of likeminded individuals to myself

She never saw Autism as a disability, it was a different way of learning or thinking.

Creating neurodiversity affirming schools

- the uniqueness of *all* brains
 - Judy Singer, first used the term *Neurodiversity* in late 1990s
- "the neurodiversity movement frames neurological diversity as invaluable for societal progress and yet inherently challenging at times, meaning that autism can both be an identity, and an embodied disability with aspects of impairment" –Botha & Gillespie-Lynch, 2022

How does this help?

 Big task which requires thought, collaboration, and work at multiple levels/systems

Shifts the burden of change

- How are we preparing the **broader community** to be supportive and inclusive of their future autistic colleagues, classmates, students, teachers, employees(ers), friends, partners, attendees, visitors...
- Barriers to these aspirations well beyond individual skills
- Positive identity development; collective identity

Instead of...





Clinical Focus

Ableism to Empowerment: Navigating School Structures When Working With Students Who Stutter

Nina A. Reeves, ^a Timothy W. Flynn, ^b and Reuben Z. Schuff^c

Table 3. Relevant Individualized Education Program (IEP) sections: Alexander.

Potential IEP goal areas

Exploring support strategies & connection to larger community

Accommodations

- . Increasing knowledge about speech production and stuttering.
- 2. Exploring speech tension and identification of location of tension in speech articulators
- Educating others about stuttering in self-chosen format (e.g., stutter notebook entries, charts, emails, flyers, classroom presentation)
- 4. Choosing practical avenues to advocate for self (with support from others) to deal with teasing
- 5. Creating opportunities for Alex to explore communication strengths and benefits of stuttering
- 6. Exploring speaking strategies that decrease avoidance and increase ease of communication
- 7. Providing opportunities for Alex to choose a path to involvement in the stuttering community and support organizations
- 1. Alexander will be provided extended time for answering questions, participating in classroom discussions, and during oral presentations.
- Timed oral reading-fluency assessments will be optional for Alex. If he chooses to participate, final scores will not be used for reading placement and/or intervention decisions.

^a Frisco Independent School District, TX ^bArlington Public Schools, VA ^cAmerican Board of Fluency and Fluency Disorders, Kimberly, WI

https://csesa.fpg.unc.edu/

To Consider...













Watch "What's Up with Nick?" (3 minutes)



Autism Peer-to-Peer Series is a publication of the Center on Secondary Education for Students with ASD (CSESA).

NOVEMBER 2021

Building Inclusive Classrooms with Your Neurodivergent Peers

Home > Journal of Developmental and Physical Disabilities > Article

REVIEW ARTICLE | Published: 26 March 2020

Autism Awareness Interventions for Children and Adolescents: a Scoping Review

<u>Katie Cremin</u> [™], <u>Olive Healy</u>, <u>Michelle Spirtos</u> & <u>Sarah Quinn</u>

Journal of Developmental and Physical Disabilities 33, 27–50 (2021) Cite this article

1426 Accesses 8 Citations Metrics

- Autism Spectrum Disorder (A!
- Attention Deficit Hyperactivity Disorder (ADHD)



https://researchautism.org/educators/kit-for-kids/kit-for-kids-activities/

Understanding Autism Professional Development Curriculum:

Strategies for Classroom Success and Effective Use of Teacher Supports







Secondary school environments can be challenging for students with ASD

- Transitions
 - Require multiple changes
 - Predictable and yet still unpredictable
- Sights and sounds of hallways
 - · Noise and commotion can be overwhelming
 - After navigating the hallways, students are often stressed and unsettled

Anime

Anime Club!

Welcome, Shepard high students! This year, as well as previous years, Shepard is offering an open invitation to our students to join the amazing group that is Anime Club! In this after-school activity, students will come together to either watch anime, read manga, share art, or make Japanese food dependent on the event of that day. While this can be foreign to most, regularly attending students invite anyone interested with open arms and a big smile. So please, if any of what you have read has piqued your curiosity, then join the classroom link below and become a member today!

Join our club through Google Classroom using code: iov3tot

<u>Club Mission:</u> Anime club is an after-school activity that aims to bring Shepard's student body together and broaden their understanding of the inherently deep culture of Japan. To accomplish this, Anime Club looks to expand student horizons by exploring various aspects such as **Anime** (Similar to an American cartoon with attention to artistic detail, and occasionally focusing on deep themes representative of differing life values), **manga** (Similar to American Comics addressing ideas from minute to complex), **art** (A culturally different artistic style which has been perfected over generations), and occasionally, learning how to make **food** (foods can include fish product, but allergies are fully considered!! Traditional staples, like sushi and onigiri, are eaten and can be taught). While the culture may be vast, exploring the uncharted terrain becomes manageable through the mission's goal to reinforce the glue of diversity, the love for knowledge, and the enjoyment of student



Author

DAVID NURENBERG, PH.D, is an Assistant Professor of Education at Lesley University in Cambridge, Massachusetts, and an English teacher at Concord Carlisle High School in Concord, Massachusetts.

To Consider

 Affinity groups bring together people who have something important in common- race, gender, profession, special interest...

Ensure...

 Student voice, priorities, and interests are central to the IEP, course selection, & transition plans (more in #3)



Secondary School Success Checklist

The Secondary School Success Checklist (SSSC) is an evaluation of student skills in independence and behavior, transition, social competence, and academic skills completed by staff, families, and students.

Download: SSSC_Parent_Final.pdf, Download: SSSC_Staff_FINAL.pdf, Download: SSS-C_STUDENT.pdf, Download:

SSSC_PARENT_fillable.pdf, **Download:** SSSC_STAFF_fillable.pdf, **Download:** SSSC_STUDENT_fillable.pdf

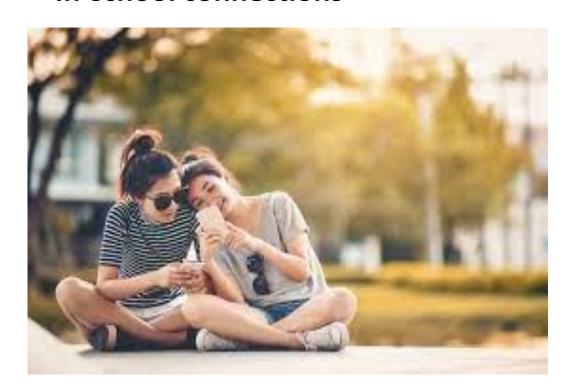
2. Building school & community connections (& teach how to find them)

I would want to have friends that share the same interests as me I need more guidance to help identify steps/classes to get more training

I would like to take exercise class and art classes. look for more volunteer opportunities

Building school & community connections (& teach how to find them)

In-school connections



HOW to find connections post highschool



How does this help?

- Protective factor for mental health
- Connections can lead to:
 - Long term friendships
 - Mentors
 - Career possibilities
 - Interpersonal skill development
- Life-long skills to seek community



Building Inclusive High School Communities for Autistic Students

Lindsay F. Rentschler, university of North Carolina at Chapel Hill, Kara A. Hume, University of North Carolina at Chapel Hill, and Jessica P. Steinbrenner University of North Carolina at Chapel Hill

In-school connections

Exploring Feasibility and Fit: Peer-Mediated Interventions for High School Students With Autism Spectrum Disorders

Erik W. Carter ➡, Jessica R. Dykstra Steinbrenner & Laura J. Hall | Jonathan Campbell & Kara Hume
Pages 157-169 | Received 31 Aug 2017, Accepted 17 Dec 2017, Published online: 27 Dec 2019

• Use of peer networks & peer supports





In-school connections

- Clubs & classes again ©
- Connect with teachers with similar interests
- Connect with teachers with expertise
- Connect with potential job shadows at the school
- Connect with postsecondary supports



In-school connections/How to find Connections

Community School Resource Mapping

Community and School Resource Mapping (CSRM)

Community and School Resource Mapping

This is the manual for Community and School Resource Mapping. It has sample maps. **Download:** Community and Resource Mapping Manual.pdf

Community and School Resource Mapping Training Powerpoint

This is a .pdf version of the Community and Scho **Download:** Mapping Training.final_.pdf

Sample CSESA Community Map

This is a sample community map to help get you **Download:** CSESA-Community Map.pdf

Sample CSESA Community Map in Spanish

This is a sample community map in Spanish to gi

Download: CSESA Community Map_SPANISH

I WANT TO FIND OUT MORE ABOUT RECREATION, ART, & MUSIC THERAPIES FOR MY CHILD. WHO SHOULD I CALL?				
Agency Name	Program Summary	Address	Contact Information	
ABLE Youth	Helps people ages 3-22 in wheelchairs to live independently and participate in sports		(615) 973-5372 www.ableyouth.org	
Art Speaks Art Therapy Enrichment and Services	Individual/group art therapy for people with disabilities (home, school, or day program)	700 Wilsonwood Place Nashville, TN 37206	(217) 204-1562 tg.artspeaks@gmail.com	
Camp Will: Therapeutic Summer Day Camp	Specialized day camp for peoples ages 6-23 with physical/developmental disabilities		(615) 790-5719 ext. 21 www.wcparksandrec.com/seniors- therapeutics/activities	
Metro Parks and Recreation Department (Disabilities Programs)	Adult day program, monthly weekend activities; summer day camps for adults/children		(615) 862-8479 www.nashville.gov/parks	
Musical Bridges (music therapy)	Music therapy services to individuals with disabilities in the Nashville area		(888) 687-2734 www.musicalbridges.com	
Positive RePercussions (music therapy)	Group therapeutic drumming		(615) 669-3786 www.positiverepercussions.com	

- Embed in class (any subject)
 - "I want to learn more about xx...how could I do that?"
 - Link to community resources to take classes

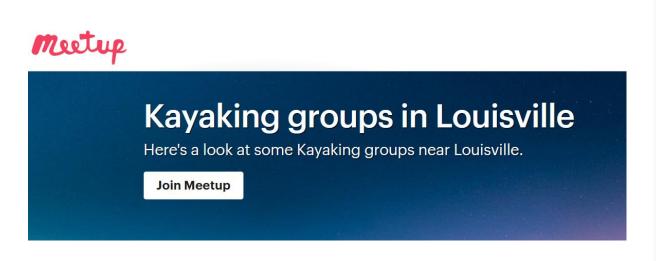
- How to find contact info?
- How to email?
- How to call?
- How to pay?

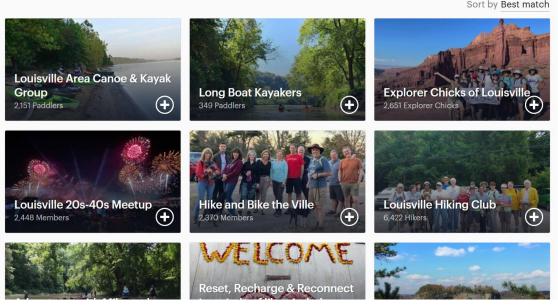






- Embed in clubs/extra curriculars
 - "I want to keep doing this post-high school...how could I do that?"





- Embed in clubs/extra curriculars
 - "I want to keep doing this post-high school...how could I do that?"

Louisville Parks and Recreation basketball leagues are for ages 18 & older. Our leagues provide a great indoor environment for friendly competition, fitness, socializing, and camaraderie. Co-ed Leagues are offered on a first come, first serve basis with a (10) team league maximum.

Adult Basketball League



- How to find contact info?
- How to email?
- How to call?
- What to ask?

- Embed in case management
 - "I want to connect with autism related organizations after high school"
 - Link to agencies & non-profits while in high school







3. Teaching explict transition related skills

Online classes about math or money management

More life skills, cooking classes Learn about how to invest more in stocks

Keep in touch with money - make a monthly budget

Maybe have a girlfriend

Driving skills

Buy a house on my own

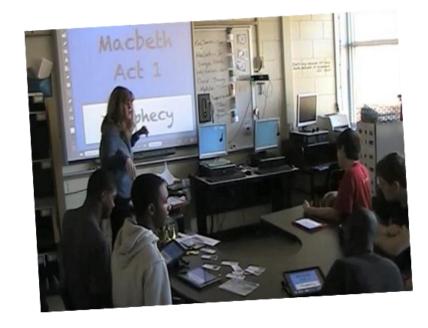
Teaching Explicit Transition-Related Skills

- Independent living
 - Chores cooking, cleaning, taking care of pets
 - Financial literacy paying bills, budgeting, investment,
 - Autonomy signing a lease, driving, public transportation

- Leisure
 - Community engagement
 - Interests, hobbies, etc.
- Health and wellness
 - Exercise routines
 - Health literacy & advocacy

How does this help?

- Explicit instruction supports skill development
- High school activities and skill development are predictive of positive outcomes in young adulthood



Find the hooks

• Ensure students are involved in setting goals, choosing skills



April 2019

Autism at-a-Glance is a publication of the Center on Secondary Education for Students with ASD (CSESA).



Getting a Driver's License

Student Involvement in the IEP (SD-IEP)

Student Involvement in the IEP

This is the manual to support Student Involvement in the IEF **Download:** Student Involvement in the IEP Manual.pdf

Student Involvement in the IEP Training Powerpoint

This is a .pdf of the Student Involvement in the IEP training powerpoint.

Download: Student Involvement in the IEP PPT.pdf

Student Involvement in the IEP webinar

This is a webinar for the student-involvement in the IEP intervention in the CSESA model.

Autism at-a-Glance is a series of practitioner and family-friendly documents created by the Center on Secondary Education for Students with ASD (CSESA) designed for high school staff members supporting students on the autism spectrum, as well as family members of adolescents with ASD. The

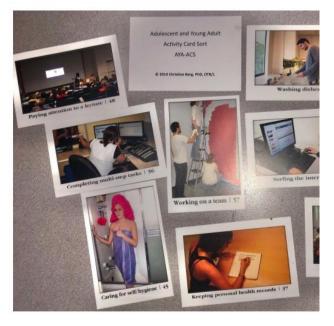
ne of the biggest milestones in an adolescent's life can be getting a driver's license. However, compared to the general population, individuals with ASD get their driver's license later in life, and drive less often. Adolescents with ASD who are eligible to get a driver's license are encouraged to do so, as having a license can result in increased independence and opens door for new opportunities in social interaction and employment.

Find the hooks

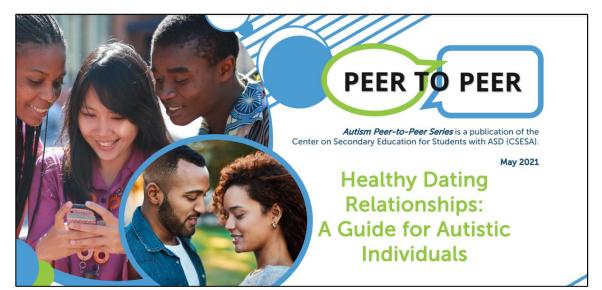
- Know student priorities
 - SSS-C
 - Card sort
- Common priorities
 - Living on their own
 - Dating
 - Financial literacy

DEVELOPMENT OF THE CARD SORT

- Developed from occupational therapy by Berg, McCollum, Cho & Jason (2015)
- Captures subjective experience without literacy demands through use of captioned photographs
- Activities selected from literature of young adult activities, developmental theorists, and young adults selected and added names to activities
 - Chores
 - Leisure
 - Social
 - Education
 - Work
 - Health and Wellness
 - Parenting



Tomaszewski & Szidon, 2020



Creative ways to embed content

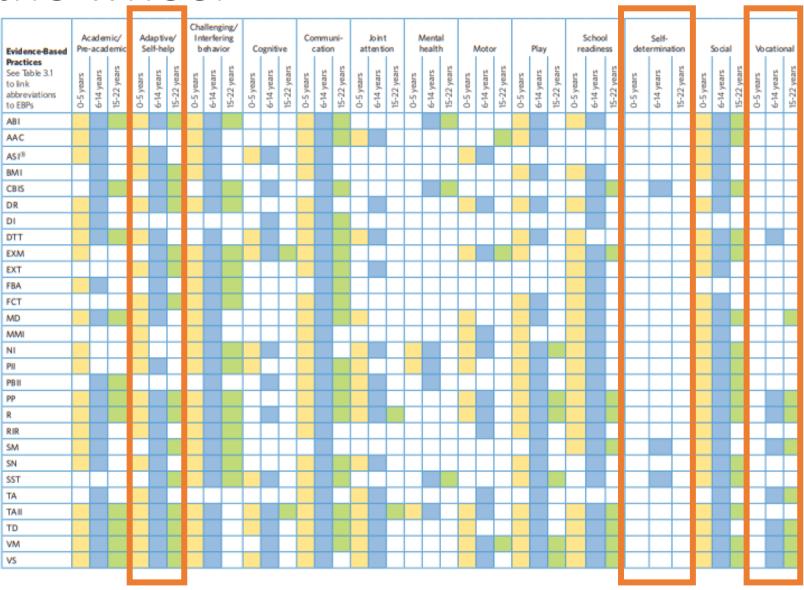
- Capitalizing on (or advocating for) local initiatives (e.g., financial literacy, sexual education & health)
- Collaborating with CTE teachers (e.g., culinary arts, technology)



Personal Budget

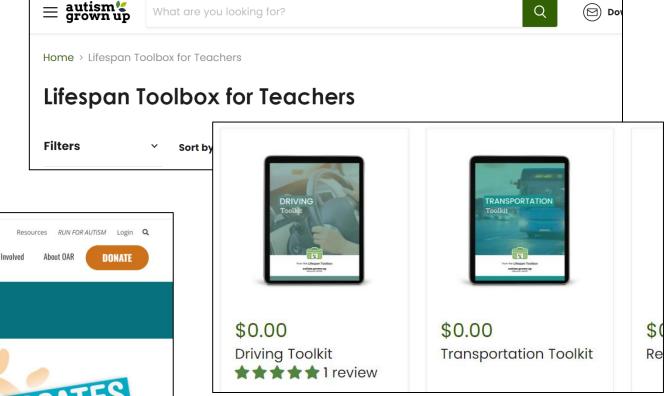
Don't reinvent the wheel

- Use EBPs that are known to be effective for key target skills
 - Adaptive/Self-help
 - Self-determination
 - Vocational



Don't reinvent the wheel

- Packaged toolkits
- National/local agencies





Learning Objectives

- 1. Describe the post-secondary experiences and aspirations of autistic young adults related to employment, post-secondary education, and social engagement.
- 2. Identify 3 areas of high school programming that the young adults noted could be improved to better support them in reaching their post-secondary goals.
- 3. Learn how to implement 3 related strategies/curriculum areas/structural changes that the young adults noted could be improved to better support them in reaching their post-secondary goals.

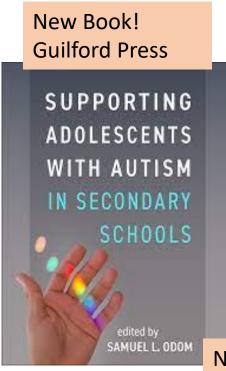
Language use: Will be using identity first language, or "on the spectrum" per Botha, Hanlon, & Williams, 2021

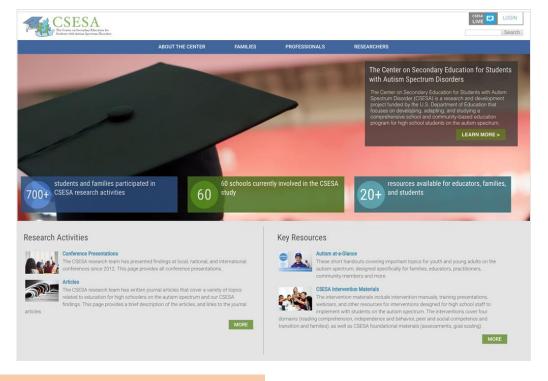


CSESA Resources & Questions



The CSESA website (link via QR Code) has dozens of free resources available for researchers, practitioners, and families!





No royalties for authors