IMPLEMENTING PEER MEDIATED INTERVENTIONS IN HIGH SCHOOLS FOR STUDENTS WITH ASD: GUIDELINES AND CASE EXAMPLES

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- Introduction & Background
- Peer-Mediated Interventions
- Case Examples
- □ Questions/Discussion

## Introduction and Background

### Areas of Need for Students with ASD

- □ Social-communication skills
  - Expressive communication, comprehension, pragmatics
- Relationships
  - Forming and maintaining friendships, differentiating between types of relationships
- Behavioral
  - Impact of circumscribed interests, repetitive behaviors, interfering behaviors, etc. on engagement and participation

APA 2013; Carter et al., 2014; Kanne & Mazurek, 2011; Paul et al., 2009

## **High School Setting**

- Environmental complexities
  - Changing classes
  - Many communication partners across the day
- Social Complexities
  - Nuanced social situations
  - Complex relationships
- □ Importance of peers
  - Increased emphasis on peer culture
  - Many social situations occur outside of the purvey of adults

Brown & Klute, 2003; Carter et al., in press; Lynch et al., 2013

### Why is this important?

- Social skills & "soft skills" are critical for post-secondary success
- "High school is the last best chance." (Peter Gerhardt)
- Decreasing services & supports in high school
- "Dropping off the cliff" after high school

...nearly 80% still live at home, almost half have no jobs or postsecondary training, 40% never have contact with friends, 17% never feel hopeful about the future, 21% never engage in outside activities, and many experience a decrease in insurance coverage and therapy services. – Paul Shattuck





## **Evidence-Base for Interventions**

 Fewer evidence based practices in middle and high school settings (National Professional Development Center & National Autism Center)

Student	Peer	Educator	School-wide
interventions	interventions	interventions	interventions
<ul> <li>Social skills training</li> <li>Social cognitive instruction</li> <li>Communication systems</li> <li>Behavioral interventions</li> </ul>	<ul> <li>Peer education</li> <li>Peer interaction training</li> <li>Peer-mediated support interventions</li> </ul>	<ul> <li>Fading adult proximity</li> <li>Facilitative role (rather than direct)</li> </ul>	<ul> <li>Disability awareness</li> <li>School-wide peer programs</li> </ul>

Bellini et al., 2007; Carter et al., 2014; NPDC, 2011; Reichow & Volkmar, 2010

### **Benefits of Peer-Mediated Interventions**

- □ Effective across a wide range of ages
  - Impact on social interactions
  - Impact on engagement
- Can implement across various settings within a school
- Availability and consistency of peers
- Positive benefits to peers
  - Academics (in some studies)
  - Experiences

### **Peer-Mediated Interventions**

Process for Selecting and Implementing Peer-Mediated Interventions in High School Settings

### Types of Peer Mediated Interventions

#### **Peer Supports**

- Setting: In class academic or specials
- Peers: 2-3 peers per class
- Goals: Engagement, independence, social skills

#### **Peer Networks**

- Setting: Out of class lunch, clubs, etc.
- Peers: 3-6 peers in the network
- Goals: Social skills, peer relationships, school participation



## Steps for Implementation

#### **Peer Supports**

- Identify goals for student with ASD
- 2 Identify and ask peers
- ③ Develop a peer support plan
- Orient student & peers to their role
- Implement peer
   supports in classroom

#### **Peer Networks**

- Identify goals for student with ASD
- 2 Identify and ask peers
- ③ Orient student & peers to the network
- Meet weekly as a peer network
- Encourage contact outside of the meetings

# **Goal Setting**

### Assess skills

- Formal assessments
- Informal assessments and observations
- Checking in with staff and parents

### \*Potential tools

- Secondary Skills Success Checklist
- Goal Attainment Scaling (on CSESA website)

### Potential goals

- Initiations
- Conversations
- Participation in class
- Working in a group
- Social problem solving
- Greetings
- Non-verbal skills
- Use of AAC
- Asking for help

# Planning

#### **Peer Supports**

- Peer Support Plan
  - Generate ideas with peers (and student)
    - For various in-class situations
  - Record ideas on PSP
  - Revise as needed

#### **Peer Networks**

- Decide peer network settings and activities
  - Consider student interests
  - Potential settings
    - Clubs
    - Athletics
    - Lunch

## **Selecting Peers**

- Interested and excited
- Motivated to develop a social relationship with student
- □ Positive peer model
- □ Shared interests or experiences (especially for PN)
- □ Shared class (PS) or time (PN) with student
- □ Likely to stay involved for semester

### \*THINK CREATIVELY

## **Training Peers**

### Optional (especially for PN)

- Ask the student
- May be needed for students who:
  - Use less conventional means of communication
  - Have challenging behaviors
- Potential topics to cover
  - Strengths and interests
  - Communication strengths, modalities, & needs
  - Student goals
  - Unique behaviors

### Implementation

#### **Peer Supports**

- Hold planning meetingBrainstorm for PSP
- Facilitate peer
   supports in class
  - (Re)Arrange seating
  - Support and/or touch base with peers

#### **Peer Networks**

- Hold orientation meeting
  - Introduction to group
  - Setting the stage
- Facilitate weekly network meetings
  - Conversation/activities
  - Discuss/plan out of group interactions (last/next wk)
  - Remind of next meeting

### Implementation: Facilitation Techniques

- Modeling
- Highlight similarities
- □ Focus on strengths
- Teach peers specific skills to encourage interaction (e.g., prompting, visual supports)
- Redirect interactions (to peers & students)
- Help to interpret communication and behaviors

\*Ultimate goal is to fade support!

## **Progress Monitoring**

- Check-in with student and peers
- Provide feedback
  - Point out what is going well
  - Offer suggestions (facilitation techniques)
  - \*Can be verbally or in writing
- □ DATA!!!
  - Self-monitoring by student
  - Data from peers, TA, teachers, etc.



### Meet Brian

- $\Box$  9<sup>th</sup> grade
- Exclusively in selfcontained classroom

- Challenges
  - Initiating communication
  - Responding to questions
  - Using adequate volume
- □ Strengths
  - Responds well to visual supports
  - Good attentional
    - engagement

### What did we do?



### Meet Charles

- $\Box$  12<sup>th</sup> grade
- Primarily served in a separate classroom
- Attending a gym class
   1x per week

### Challenges

- Rarely initiates conversation
- Does not continue conversations
- □ Strengths
  - Follows/imitates peers in class
  - Responds to questions

### What did we do?



### Meet Quinton

- $\Box$  10<sup>th</sup> grade
- Attends regular education classes

- Challenges
  - Rarely joins in conversations with peers
  - Does not initiate interactions in class
  - Works on his own during group time
- Strengths
  - Attends well during class
  - Interest in outdoors and welding

### What did we do?



## Meet Barry

- □ 10<sup>th</sup> grade
- Exclusively in selfcontained classroom

- Challenges
  - Appropriate
    - communication
  - Maintaining
     engagement
- □ Strengths
  - Initiates interactions on preferred topics
  - Enjoys joking around

### What did we do?





### Resources

### CSESA Website:

http://csesa.fpg.unc.edu/

- GAS
- SSS-C
- EBPs
- Understanding Autism
  - Collection of resources for secondary school teachers
    - DVD series
    - Guide booklet
    - Professional development package



### UNDERSTANDING AUTISM: A GUIDE FOR SECONDARY SCHOOL TEACHERS







A Supplemental Resource for the Understanding Autism: A Guide for Secondary School Teachers DVD



Produced in collaboration with The Center on Secondary Education for Students with Autism Spectrum Disorders

### Resources

#### Resources on Peer-Mediated Interventions

- http://www.pattan.net/category /Educational%20Initiatives/Inclus ive%20Practices/page/Starting Points and Possibilities Promotin g Inclusion Learning and Relati onships for Students with Comp lex Needs.html
- http://www.pattan.net/Videos/B rowse/Training%20Series/Startin g+Points+and+Possibilities+Prom oting+Inclusion+Learning+and+R elationships+for+Students+with+ Complex+Needs



#### Videos

Search our Videos....

#### Thairing Senos / November 4, 20131, 5 Videos

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The purpose of this video barning series is to provide school leaders, backnes, paraproleasionals, families and students information ancurd histural Peer Bupports with the expective of Dr. Erik Carter. The five video sessions comprising this series addresses the essential information needed to develop the obstructures that promote inclusion, learning, and relationships between students with and without disabilities with special torus on students with complex instructureal reveals. Herein, Dr. Carter develops the estimates the existence hase and necessary components for brevioping an effective peer support program. The sessions are supported with video documentary of actual peer support programs accurate within Peeninfields. Each relation is designed to guide schools in identifying crucial elements to launch new or continue current efforts in implementing matural pier support.



### Resources

http://vkc.mc.vanderbil t.edu/assets/files/tipsh eets/peerinterventionas dtips.pdf

#### Peer-Based Intervention and Autism Spectrum Disorders



Peer-based interventions are evidence-based practices that teach strategies to typically developing peers for facilitating social interactions with children on the autism spectrum. Peer-based interventions can be used to target communication skills, interpersonal skills, and play skills. The effects of these types of interventions often are beneficial for both the student with autism spectrum disorder (ASD) and the peer(s). For example, students with ASD often demonstrate improvements in social interaction skills including increased initiation and responding to peers. Peers often demonstrate increased levels of tolerance, awareness, and acceptance of differences. There are 4 primary steps to implementing a successful peer-based intervention.

Step 1: Select Peers Peers selected to be part of the intervention should possess key characteristics.

- Peers should be of a similar age and, if possible, share similar interests to the student with ASD.
- Peers should be motivated to participate. Peers who volunteer will be more invested in the process and more responsive to the strategies than those who are unmotivated.
- Peers should possess strong social and communication skills. For example, an outgoing individual who is capable of participating in successful social interactions with a variety of people would be a better intervention partner than a peer who is shy and prefers to keep to him/herself.

Peers should be dependable. Dependability is important for both the peer and the student with ASD. A student who is frequently absent will miss critical teaching and practice time. Furthermore, the student with ASD will be more comfortable with a student frequently seen around the school than a student who has sporadic attendance.

TIPS AND RESOURCES FOR TEACHERS

It is recommended to train more than one peer to avoid burnout and support generalization, but keep the number manageable for the student with ASD.

Step 2: Train and Support Peers Begin by teaching the peers to recognize and appreciate similarities and differences. Teach the peers to use good disability etiquette (resources on back). Be sure they understand autism generally and address any myths or misconceptions they have about students with ASD. Next, share information about the student with ASD; likes, dislikes, strengths, and challenges and discuss the goals of the intervention. What do you want the student with ASD to gain from this intervention? What will the peer(s) gain?

Once the peers seem to have an understanding of ASD and the student with ASD, teach specific strategies for initiating and maintaining interactions with that student. Useful strategies to teach peers may include some or all of the following:

- How to gain the attention of the student with ASD.
- How to use developmentally appropriate language.
- How to enhance motivation by offering choices
- How to model appropriate and complex play/conversation skills.
- How to encourage conversation and turntaking.
- How to reinforce appropriate social behaviors
- How to use visual supports.

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These strategies can be taught through definition, discussion, modeling and role-play with the peers in a small group setting.

The Center on Secondary Education for Students with Autism Spectrum Disorders

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