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

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AGENDA

- 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

[After high school] they are completely without any supports at that point, and from then on their world seems to get smaller and smaller the child is almost always at home.”

- Teacher
Evidence-Base for Interventions

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

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<th>Student interventions</th>
<th>Peer interventions</th>
<th>Educator interventions</th>
<th>School-wide interventions</th>
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<td>- Social skills training</td>
<td>- Peer education</td>
<td>- Fading adult proximity</td>
<td>- Disability awareness</td>
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<td>- Social cognitive instruction</td>
<td>- Peer interaction training</td>
<td>- Facilitative role (rather than direct)</td>
<td>- School-wide peer programs</td>
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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

<table>
<thead>
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<th>Peer Networks</th>
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<tr>
<td>① Identify goals for student with ASD</td>
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<td>② Identify and ask peers</td>
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<td>③ Develop a peer support plan</td>
<td>③ Orient student &amp; peers to the network</td>
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<tr>
<td>④ Orient student &amp; peers to their role</td>
<td>④ Meet weekly as a peer network</td>
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<tr>
<td>⑤ Implement peer supports in classroom</td>
<td>⑤ Encourage contact outside of the meetings</td>
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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 meeting
  - Brainstorm 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.
Case Examples
Meet Brian

- 9th grade
- Exclusively in self-contained classroom

- Challenges
  - Initiating communication
  - Responding to questions
  - Using adequate volume

- Strengths
  - Responds well to visual supports
  - Good attentional engagement
What did we do?

Goals & Plan
- Using a louder voice
- Responding to questions

Implementation
- Direct training for volume
- Peer Network - lunch

Outcomes
- Using louder voice (at times)
- Responding to peers’ questions
Meet Charles

- 12th 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?

Goals & Plan
- Asking questions
- Increase interactions with peers

Implementation
- Peer Networks - lunch
- Peer Supports - gym

Outcomes
- Asked questions
- Increased social interactions
Meet Quinton

- 10th 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?

Goals & Plan
- Interact with peers
- Participate in group work

Implementation
- Peer supports (Earth Science)

Outcomes
- Increased social interactions
- Successfully worked with group
Meet Barry

- 10th grade
- Exclusively in self-contained classroom

- Challenges
  - Appropriate communication
  - Maintaining engagement

- Strengths
  - Initiates interactions on preferred topics
  - Enjoys joking around
What did we do?

Goals & Plan
- Responding to greetings
- Participating in activities with peers

Implementation
- Peer Networks

Outcomes
- Increased response to peers
- Participated in games & activities
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
Resources on Peer-Mediated Interventions

- http://www.pattan.net/Videos/Browse/Training%20Series/Starting+Points+and+Possibilities+Promoting+Inclusion+Learning+and+Relationships+for+Students+with+Complex+Needs
Resources

- [http://vkc.mc.vanderbilt.edu/assets/files/tipsheets/peerinterventionasdtips.pdf](http://vkc.mc.vanderbilt.edu/assets/files/tipsheets/peerinterventionasdtips.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 are often 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.

**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 turn-taking.
- How to reinforce appropriate social behaviors.
- How to use visual supports.

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


References


