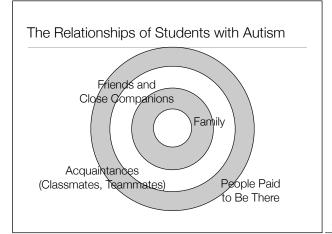


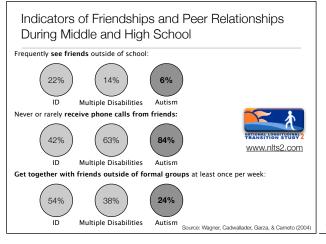
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Reflecting on Your School

- Where are the rigorous and relevant learning opportunities in your school and community for all students?
- What opportunities do all students have to develop valued relationships with their peers?
- How might we promote social interactions and shared learning within these existing activities for students with autism?
- What roles might peers and paraprofessionals play in this process?

2





Relationships During Elementary School

Never visited with friends during the previous year:







Multiple Disabilities

Never or rarely receive phone calls from friends:









Invited to other children's social activities during the previous year:

80%





68%

5

Fostering Social Connections and Communication

- 1. Shared Activities
- 2. Communication Access
- 3. Proximity to Peers
- 4. Shared Interests & Motivation
- 5. Prepared Peers
- 6. "Just Enough" Support
- 7. Data-Driven Reflection and Refinement

6

Data Sources

· Observational Study of Elementary and Middle School Students Who Use AAC

12 students, 64 full-class observations Chung, Carter, & Sisco (2012)

- Observational Study of High School Students in General Education, Special Education, and Other School Settings 16 students, 320 10-min observations Carter, Hughes, Guth, & Copeland (2005)
- · Observational Study of Middle and High School Students in General Education Classrooms (Academic and Elective) 23 students, 152 full-class observations
 Carter, Sisco, Brown, Brickham, & Al-Khabbaz (2008)
- · Intervention Study of High School Students in Inclusive **Academic and Elective General Education Classrooms** 150 students, 900 full-class observations Carter & Asmus (2010-2014)

7



1. Shared Activities

Source: Carter, Hughes, Guth, & Copeland (2005)

At Your School...

- Are students with and without disabilities present in the same places?
- Are students with and without disabilities there at the same times?
- Are students with and without disabilities engaged in the same activities?

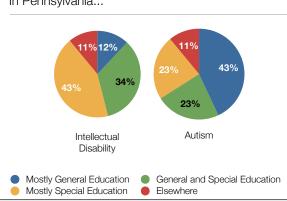
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Reflecting on Your School....

Settings	Same Place?	Same Time?	Same Activities?
Cafeteria (during lunch)	7		7
Hallways and Courtyard		7	
Academic Classes	7	-	7
Elective Classes			7
School Clubs	7	7	7
Extracurricular Activities	1	40	7
Field Trips	7	7	7

10

A Picture of General Education Participation In Pennsylvania...

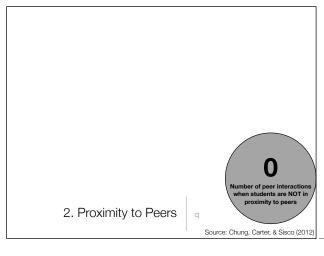


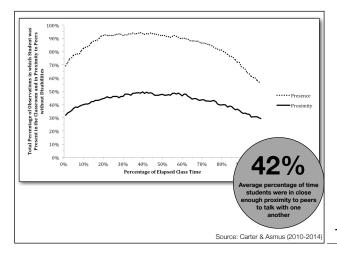
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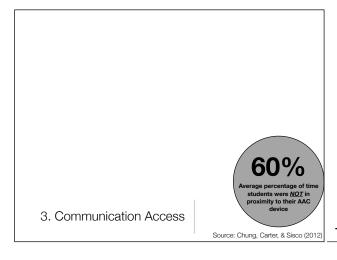
Not Even Present In the Classroom...

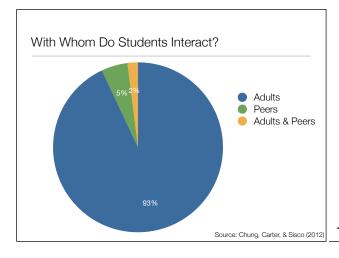
Large Group
Small Group
Independent
No Instruction
Gone

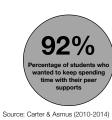
Source: Chung, Carter, & Sisco (2012)





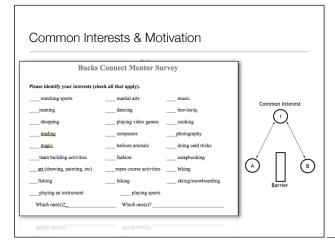




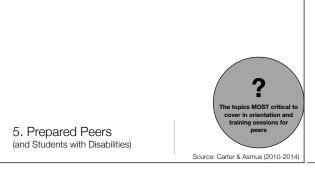


4. Common Interests & Motivation

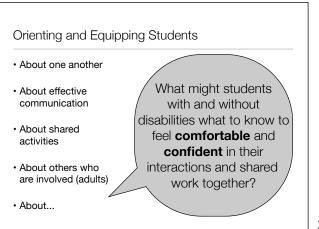
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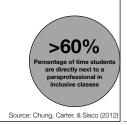


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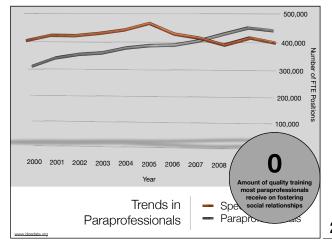


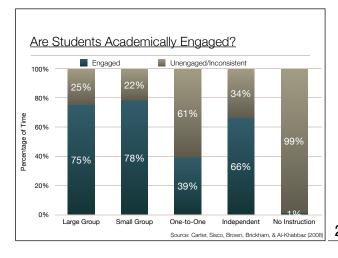
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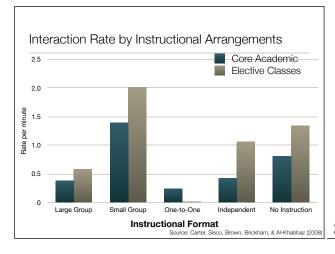




6. Just Enough Support







Using the Most Natural Supports Available First

Can the student converse and participate...

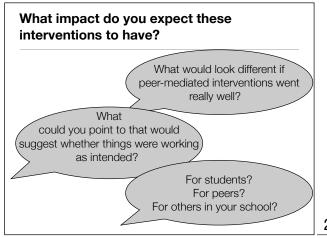
- · ...on his or her own?
- ...if given the right technology or adaptive equipment?
- ...if provided with some additional skill instruction?
- ...if shown how to use basic self-management strategies?
- ...with help from a peer, classmate, or co-worker?
- ...with occasional help from a special educator, job coach, service provider, or other paid staff?
- ...with *ongoing help* from a special educator, job coach, service provider, or other paid staff?

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7. Data-Driven Reflection and Refinement

26



27

Social related contents

Social chief of contents and process of the contents of the contents

Stu	udent: Sharon Kay Week of: October 15-19									
				class						
	In the courtyard before school	st period	2nd period class	Lunch	3rd period class (math)	Opryland Hotel worksite	Volunteering at the			
Monday	Marco-A Stephanie-B	Industrial arts Jessica—C	Student council Mica-C Shirley-C Amanda-8	6rik-C	Briana-C Liz-B Janice-C	Caleb-A	Scott-C Robert-C Marje-8			
Tuesday	Trais-A	Physical education	Library cide	6-ik-C	Liz-8 Enrily-A	Michael-A	Scott-C Gerald-B			
Wednesday	Leslie-8	Industrial arts Toni-C	Student council Mica-C Terry-8 Pat-C	&ik-C	Gretchen-C Jarice-A	Casey-8	Scott-C Robert-B Phyllis-C			
Thursday		Physical education	Library cide	Grik-C	Briana-C	Junifus-A	Scott-C Volunteer-B Gerald-C			
Friday	Klassing—8	Industrial arts Jessica-B Tani-C	Student council Mica-C Terry-C Amanda-C	6-ik-C	Briana—B Janica—C	Leah-8	Scott-8 Marjie-C Robert-C			

Record each interaction with a general education peer by listing the name of the peer and the estimated length of the interaction. (Key: $A = less than \ 1 \ minute$; $B = 1-5 \ minute$; $C = more than \ 5 \ minute$ s)

29

Are there people who...

- ...she can call (or text or "Facebook"?) in the evening if she has a problem to discuss or exciting news to share?
- · ...will invite her to a sleep-over?
- ...know when her birthday is and will make sure it is celebrated well?
- ...notice when she is not present at a social event and follow-up to find out why?
- ...take the initiative to call her and initiate a shared activity?

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Reflecting on Elements that Enhance Peer Interactions and Friendships

	What are we doing well right now in this area?	What could we do better or differently in this area?
Students with and without disabilities participate in shared activities.		
Students with disabilities spend time in close proximity to peers without disabilities.		
Students with disabilities have reliable and relevant communication systems.		
Students with and without disabilities are connected on the basis of common interests.		
Students with disabilities have input into the peers with whom they spend time and interact.		
Students with and without disabilities are provided the information and training they need to enjoy their interactions.		
Students with disabilities receive just enough support from adults to facilitate (but not hinder) peer interactions.		
Adults regularly assess the interaction opportunities and outcomes of students with disabilities and their peers.		

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Peer Support Arrangements

- Facilitate student participation in class activities
- Provide frequent feedback and encouragement
- Model communication and other skills
- Promote interaction with other classmates and device use
- Support progress related to IEP goals
- Address behavioral supports, as appropriate and appropriately***

Basic Steps...

- Identifying students with disabilities who need assistance to participate in class activities;
- Recruiting peers from within the same classroom to help provide some of these supports;
- $\mbox{\ensuremath{\not=}}$ Arranging for students to sit next to each other during class activities;
- Orienting peers to their roles, explaining the rationale for their involvement, and showing them basic strategies for supporting the academic and social participation of their classmate;
- Providing ongoing monitoring, feedback, and assistance to peers and their partners throughout the semester, as needed; and,
- Shifting paraprofessionals to a broader support role within the classroom through which they assist all students, as directed by the teacher

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Adults as Facilitators of Social Connections



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Some Potential Advantages of Peers

- Peers are "experts" on social skills
- Peers are not as "stigmatizing"
- Peers are great problem solvers
- Peers are future supports
- Peers benefit...
- Peers are readily available

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Launching Peer Support Arrangements

Where do you begin?

Implementing Peer Support Strategies

- 1.Planning for participation and supports
- 2.Recruiting peer supports
- 3. Equipping peers for their roles
- 4.Supporting students as they work together
- 5.Reflecting on the impact
- 6.Facilitating relationships beyond the classroom

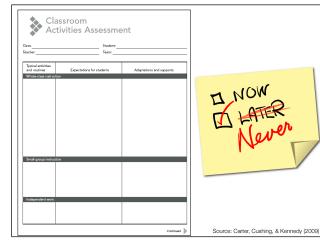
www.brookespublishing.com/carter



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- 1. Planning for Participation and Supports
- · What are all students expected to learn?
- What are the expectations general educators and club leaders hold for all students in this activity?
- What social, communication, and other IEP goals could the student work on here?
- How will the student be supported to participate in all of the learning and social opportunities that exist in this setting?

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Social and Communication Opportunity Worksheet What can you do to facilitate 's interactions and participation? • Make sure that he/she is in proximity to peers and his SGD is ready to use Prompt him/her to use SGD to talk about his/her day How do peers interact with one another and participate? Say hi to each other Talk about school events Get materials ready What can ____ do to interact and participate with his peers? • Say hi to his/her peers • Share about his day using SGD • Get same material ready Opportunity Arriving to Listen to the teacher Ask the teacher questions Ask each other questions quickly and quietly Attend to the teacher Use SGD to answer questions Help teacher distribute materials Prompt him/her to look at the teacher Make sure that he/she has same material Pre-program messages in his/her SGD Ask question and discuss ideas Work collaboratively on group projects Work with his/her peers and share responsibilities for the group Make comments about others' ideas using SGD Encourage peers to ask him/her questions Make sure the SGD has appropriate messages to make comments Encourage him/her to ask peers for help Prompt peers to check answers with him/her Borrow materials Ask questions and check answers Complete worksheets Borrow materials from peers Ask peers for help Facilitate conversations through sharing common interests between John and his peers · Chat about TV shows, after-school Ask peers questions Share a joke using his/her SGD or weekend plans Share jokes and tease each other Say goodbye to peers Share with peers about his/her plans for the day Model saying goodbye to peers Encourage him/her to ask peers about their plans Share jokes and tease each other Say goodbye, walk with friends Source: Chung & Carter (2013)

Examples of Support Behaviors...

- · Helping keep their assignments and class materials
- organized Reminding them how to follow established

- organized Reminding them how to follow established classroom routines Encouraging interactions with other classmates Helping them check the accuracy of their assignments and class work. Sharing notes or assisting them to take complete guided notes Paraphrasing lectures or rephrasing key ideas Paraphrasing lectures or rephrasing key ideas Paraphrasing when the answer a question or contribute an idea during class discussion Helping clarify as key concept Helping them self-direct their own learning and self-manage their own behavior with the communication device Helping them to pass out class materials Walking with them from one class to the next Offering additional examples of a concept or ideas Demonstrating how to complete a problem Highlightness important indirection and contributed in the text or on a sorksheet.

- a worksheet Reviewing course content to ensure understanding

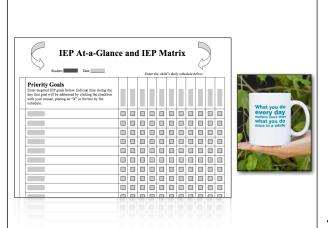
- Supporting involvement in cooperative group
- Supporting involvement in cooperative group activities
 Teaching leisure and recreational activities during non-instructional times
 Helping them to "fit in" by learning accepted social
- Helping them to "fit in" by learning accepted social norms
 Motivating and encouraging them when they get frustrated
 Prompting them to use their communication book Exchanging advice related to a personal problem Sharing class materials
 Reading alloud a section of an assignment or textbook
 Redirecting them when they are off-task inviting them to work together on a class project Showing them important classroom "survival skills" Reinforcing communication attempts
 Explaining how to do certain aspects of an assignment
 Writing down answers given verbally or when using communication device
 Helping student pass out class materials
 Reminding the student to follow established
 classroom routines

- classroom routines
 Encouraging interactions with other students in the

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2. Recruiting Peers

- · Student preferences
- · Similar ages
- · Interpersonal skills and willingness to learn
- · Expressed interest
- · Consistent attendance
- · Shared interests
- · Existing social networks

Avenues for Identifying Peer Supports

Approaches	Advantages	Drawbacks
Student-identified peers		
Class announcements		
Teacher recommendations		
Rotating peers		
Cooperative learning groups		
Peers from other settings		
Extracurricular groups		

45

Example Questions for Prospective Peer Supports

- How well do you already know _____?
- What interests you most about becoming a peer support?
- What expectations do you have?
- Why do you think it takes to be an effective peer support?
- Are there aspects of the experience you are worried about?
- What school and community activities are you involved in?
- What experiences have you had that you feel would make you a good peer support?
- What questions do you have about becoming a peer support?
- What do you hope to gain from this experience?
- Have you ever received support from your classmates?
 Describe the experience.

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3. Orienting Peers Without Disabilities to Their Roles

- 40-60 min orientation meeting
- During lunch, before/after school, advisory, "down time"
- Ongoing monitoring and support from paraprofessionals, special educators, and/or general educators

Questions to Consider

- Who will lead the orientation session?
- When and where will the session be held?
- What topics will be addressed?
- Which students will be encouraged to attend?

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Example Discussion Topics

- Introductions
- · Rationale for peer-mediated strategies
- · Background about the student
- General goals in the class, club, or other activity
- · Confidentiality and respectful language
- Expectations specific to the classroom or elsewhere
- Technology and communication systems
- · Promoting class participation
- · Student motivation and feedback
- · When to seek assistance
- Discussion and questions

4. Supporting Students as They Work Together

- · How will the team communicate about future lessons?
- · Who will adapt materials?
- Who will train and give feedback to the students and their peer partners?
- · Who will collect data on IEP goals and social progress?
- · Who will model support strategies?
- What is the plan for dealing with inappropriate behavior of the peer partners or the student with disabilities?

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Facilitation Strategies

- Modeling ways for students to initiate, maintain, and extend conversations
- Demonstrating how to converse with someone using an augmentative or alternative communication devices
- Highlighting shared interests, strengths, experiences, or other similarities among students
- Teaching and prompting critical social interaction skills (e.g., greeting classmates, requesting help, refusing support)
- Redirecting peers' questions and comments away from the adult and to the student with disabilities (and vice versa)

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Facilitation Strategies (continued)

- Interpreting the communicative intent of particular behaviors, as well as suggesting appropriate responses
- Highlighting students' strengths and contributions to small-group and other projects
- Assigning classroom responsibilities requiring frequent interaction, such as small-group assignments and cooperative projects
- Ensuring students sit together and remain in close physical and social proximity
- · Asking specific peers to provide particular support

Sources: Causton-Theoharis & Malmgren, 2005; Downing, 2006; Ghere, York-Barr, & Sommerness, 20

51

Academic Supports from Peers

Academic-related supports	Examples
Helping check the accuracy of assignments	
Sharing notes, assisting in taking notes (including guided)	
Sharing other class materials (other than notes)	
Paraphrasing/rephrasing lectures or class discussions	
Prompting him/her to contribute a question/ idea during discussion	
Explaining a key concept or how to solve a specific problem	
Writing down answers given orally or with a communication device	
Providing instructions on how to complete a class activity	
Reviewing class content to ensure understanding	
Helping him/her participate in a group activity	
Encouraging/reinforcing academic performance	
Reading aloud a section of a book or assignment	
Modifying or adapting assignments	
Other	-

Social and Other Supports from Peers

Social-related supports	Examples
Prompting him/her to interact with other classmates	
Encouraging other classmates to interact with him/her	
Making formal introductions to other classmates	
Explicitly teaching specific social-related skills	
Prompting use of an aided communication device	
Reinforcing social/communication attempts	
Other supports	
Helping him/her self-manage own behavior	
Redirecting him/her when he/she is off-task	
Giving advice or providing emotional support	
Helping student keep assignments or class materials organized	
Helping student pass out class materials	-
Explaining or demonstrating specific classroom rules	
Explaining class/activity schedule	

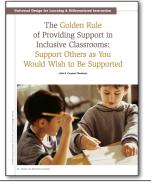
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itu	udent: Sharon Kay Week of: October 15-19								
	Activity/class								
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Tuesday	Trais-A	Physical education	Library cide	6-ik-C	Liz-8 Emily-A	Michael-A	Scott-C Gerdd-8		
Wednesday	Leslie-B	Industrial arts Toni-C	Student council Mca-C Terry-8 Pat-C	6-ik-C	Gretchen-C Jarice-A	Casey-8	Scott-C Robert-8 Phyllis-C		
Thursday		Physical education	Library side	Erik-C	Briana-C	Jannifar-A	Scott-C Volunteer-B Gerold-C		
Friday	Klassing—8	Industrial arts Jessica—8 Toni—C	Student council Mica-C Terry-C Amanda-C	6-ik-C	Briana—B Janica—C	Leah-8	Scott-8 Marje-C Robert-C		

Record each interaction with a general education peer by listing the name of the peer and the estimated length of the interaction $(K_{CV}, A = loss than 1 minute; B = 1...5 minutes; C = more than 5 minutes)$

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A Couple of Great Articles to Share with Paras



Paraeducators' Roles in Facilitating Friendships Between Secondary Students With and Without Autism Spectrum Disorders or Developmental Disabilities

Laren Maria and Maria Santa Sa

55

5. Reflecting on the Impact of Peer Supports



Classroom Observations

- · Nature of students interactions with peers
- · Types of conversational skills
- · Modes of communication
- · Persons involved in interactions
- Time in which students are engaged academically
- Time in which students work on activities aligned with the general curriculum

"You can observe a lot by

watching."

-Yogi Berra

• Time in which students are working with a one-to-one adult support

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Conversations with Students with Disabilities

- Are you enjoying spending time with _____? Why or why not?
- What are some of the things you do together?
- What help do you find most helpful? Least helpful?
- What have you learned from working with _____?
- Do you consider _____ to be a friend?
- Would you like to continue working with _____? Why or why not?

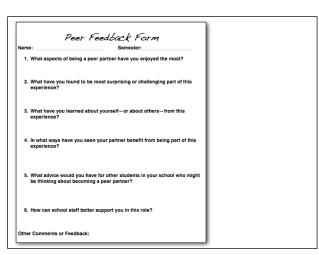
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Name: Semester: 1. What did you like about spending time with your peer partners? 2. What did you not like about spending time with your peer partners? 3. Would you like to continue spending time with your peer partners? 4. Have you made new friends? Who? 5. What other types of support would you like to receive? 6. What other school activities would you like to be part of? 7. Are there other students in the school you would like to get to know? Other Comments or Feedback:

59

Conversations with Peers Providing Support

- · How would you describe your experiences?
- Did you enjoy serving in this role? In what ways?
- What things have been going really well? Not so well?
- In what ways have you benefited from this involvement?
- · What changes have you noticed in your partner, if any?
- Has this been a beneficial experience for your partner?
- What additional help would you like to be effective in this role?



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Conversations with Educators and Paraprofessionals

- What is your overall impression of peer support strategies?
- · How would you describe the experiences of students?
- · How effective have peers been at providing support?
- · What strategies do these peers still need to learn?
- · What concerns (if any) do you still have?
- · What sort of assistance would be most helpful for you?
- What have been the benefits to students with disabilities? To their peer partners? To other students? To school staff?

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Paraprofessional Feedback Form
Name:
Semester:

1. In what ways did peers with and without disabilities support and interact with one another?

2. What went especially well? Why?

3. What challenges did you experience (if any)?

4. What differences have you noticed for students with disabilities?

5. What differences have you noticed for participating peers?

6. How would you describe the relationships students are forming?

7. What additional resources, assistance, or training do you need to support students well as they spend time and work together?

Other Comments or Feedback:

63

General Educator Feedback Form
Semester:

1. In what ways did peers with and without disabilities support and interact with one another in your class?

2. What went especially well? Why?

3. What challenges did you notice (if any)?

4. What differences has this made for students with disabilities?

5. What impact has it had on participating peers?

6. In what ways has this experience impacted your views on inclusion and instruction?

7. What additional resources, assistance, or training do you need to support students well as they work together in your classroom?

Conversations with Parents

- What does your child tell you about working with his or her peers in this classroom?
- What have you noticed that suggests your child is enjoying this experience?
- Does your child describe his or her peers as friends?
- Is your child connecting with his peers outside of school, by phone, e-mail, or in person?

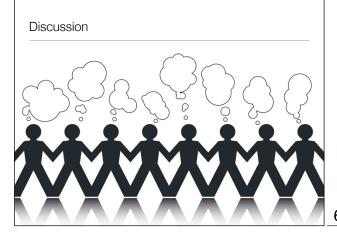
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6. Facilitating Interactions Beyond the Classroom

"Formal efforts to create more welcoming school cultures, expand the quality of opportunities students with and without disabilities have to get to know and spend time with one another, and strengthen the social skills and friendships of all students"

Peer Partner Programs

66



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

A Few Themes From This Work...

- Relationships matter!!!
- Felationships require support
- Flow matters as much as where
- Good support strategies should be good for **everyone**
- Doing things differently doesn't always require more resources
- Strategies should be effective and feasible

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