Inclusive Education: Research

General education = Optimal for academic outcomes

- "The general education classroom is the optimal place where access to the general education curriculum occurs and inclusive education is an evidence-based practice for achieving that goal" (Wehmeyer & Agran, 2006; Jackson, Ryndak, & Wehmeyer, 2008/2009).
- The NLTS2 (11,000 students with disabilities) showed that more time spent in the gen ed classroom was positively correlated with:
 - o Higher scores on standardized tests of reading and math
 - Fewer absences from school
 - Fewer referrals for disruptive behavior
 - Better outcomes after high school in the areas of employment and independent living
 - Wagner, Newman, Cameto, Levine, & Garza, 2006
- Independent of students' disability severity of disability, gender or socio- economic status
 "Research overwhelmingly shows that students with disabilities, when included in
 general education classrooms, make greater academic progress." McGregor, G. &
 Vogelsberg, R.T. (1998) Inclusive Schooling Practices: Pedagogical and Research
 Foundations. Baltimore: Paul H. Brookes Publishing Co.
- "Although separate classes, with lower student to teacher ratios, controlled environments, and specially trained staff would seem to offer benefits to a child with a disability, research fails to demonstrate the effectiveness of such programs." Lipsky, 1997; Sailor, 2003
- "Even with a less distracting setting, smaller student/teacher ratio and providing individualized instruction, the research has failed to demonstrate the effectiveness of separate class placements for students with disabilities." Baker, Wang and Walberg, 1995
- Research and best practice show that students with severe/multiple disabilities *perform* better socially and academically in less restrictive environments with numerous and spontaneous opportunities to interact with peers. Hocutt, A. "Effectiveness of Special Education: Is Placement the Critical Factor?" The Future of Children SPECIAL EDUCATION FOR STUDENTS WITH DISABILITIES Vol. 6 No. 1 Spring 1996.

60 Park Place, Suite 208
Newark, NJ 07102
www.njcie.org
Team@njcie.org
Phone (732) 613-0400 Fax (732) 390-7696

- "Students with intellectual disabilities that were fully included in general education classrooms made more progress in literacy skills when compared to students served in special schools." Dessemontet, Bless & Morin, 2012.
- "Students with disabilities in co-taught classes significantly increased in achievement..." Hand and Rabren (2009)
- "Placement in inclusive programs led to academic gains for students with disabilities, including improved performance on standardized tests, mastery of IEP goals, grades, ontask behavior and motivation to learn." National Center for Education Restructuring and Inclusion; 1995
- "Time spent engaged in the general education curriculum is strongly and positively correlated to math and reading achievement for students with disabilities." Cole, Waldron & Majd, 2004: Cosier, Causton-Theoharis & Theoharis, 2013

Students with ANY disability show greater achievement and academic progress in inclusive settings.

Optimal for students with IDD labels, including Down syndrome

- Higher expectations for student learning (Jorgensen, McSheehan, & Sonnenmeier, 2007)
- Heightened engagement, affective demeanor, and participation in integrated social activities (Hunt, Farron- Davis, Beckstead, Curtis, & Goetz, 1994)
- Improved communication and social skills (Beukelman & Mirenda, 2005; Fisher & Meyer, 2002; McSheehan, Sonnenmeier, & Jorgensen, 2009; Soto, Muller, Hunt, & Goetz, 2001)
- More satisfying and diverse social relationships (Guralnick, Connor, Hammond, Gottman, & Kinnish, 1996);
- Optimal access to the general education curriculum (Jorgensen, McSheehan, & Sonnenmeier, 2010; Wehmeyer & Agran, 2006)
- Improved academic outcomes in the areas of literacy and mathematics (Cole, Waldron, & Majd, 2004; Cosier, Causton-Theoharis, & Theoharis, 2013; Dessemontet, Bless, & Morin, 2012; Kurth & Mastergeorge, 2010; Ryndak, Alper, Ward, Storch, & Montgomery, 2010; Ryndak, Morrison, & Sommerstein, 1999)
- Better quality Individualized Education Programs (IEPs) (Hunt & Farron-Davis, 1992)

- Fewer absences from school and referrals for disruptive behavior (Helmstetter, Curry, Brennan, & Sampson-Saul, 1998)
- Achievement of more IEP goals (Brinker & Thorpe, 1984)
- Improved adult outcomes in the areas of post-secondary education, employment, and independence (White & Weiner, 2004).

Optimal for social outcomes

- Students with intellectual and other developmental disabilities in inclusive settings had a
 higher likelihood to be identified as a member of a social network by peers without
 disabilities. Students with disabilities demonstrate high levels of social interaction in
 settings with typical peers. Social competence and communication skills improve when
 students with disabilities are educated in inclusive settings. Students with disabilities
 have demonstrated gains in other areas of development when they are educated in
 inclusive settings, such as level of engagement, involvement in integrated activities,
 affective demeanor, and social interaction (meta-analysis of research, McGregor and
 Vogelsberg, 1998)
- Research and best practice show that students with severe/multiple disabilities perform
 better socially and academically in less restrictive environments with numerous and
 spontaneous opportunities to interact with peers. Hocutt, A. "Effectiveness of Special
 Education: Is Placement the Critical Factor?" The Future of Children SPECIAL EDUCATION
 FOR STUDENTS WITH DISABILITIES Vol. 6 No. 1 Spring 1996.
- "Students with intellectual disabilities that were fully included in general education classrooms made more progress in literacy skills when compared to students served in special schools." Dessemontet, Bless & Morin, 2012.
- Cole and Meyer (1991) found that students in integrated educational placements demonstrated substantial progress on measure of social competence encompassing specific communication and social skills (initiation, self-regulation, choice and terminating contact).
- In contrast, comparison students in segregated settings showed *regression* in these areas across the two year period. McGregor, G. & Vogelsberg, R.T. (1998) *Inclusive Schooling Practices: Pedagogical and Research Foundations*
- "...achievement test performance among students who were classmates of students with significant disabilities were equivalent or better than a comparison group." (Salisbury, 1993)

- "students developed more positive attitudes towards peers with disabilities" (CRI, 1992)
- "self concept, social skills, and problem solving skills improved for all students in inclusive settings." (Peck, Donaldson, & Pezzoli, 1990, Salisbury & Palombaro, 1993)

Best for all students

- The performance of students without disabilities is **not compromised** by the presence of students with disabilities in their classrooms (Baker, Wang, & Walberg, 1994/1995; Cole, Waldron, & Majd, 2004; Idol, 2006; Staub & Peck, 1994)
- Schools adopting inclusive education showed improved academic learning for all students in their building (Theoharis & Causton-Theoharis, 2010).
- Improved attitudes towards diversity (Finke, McNaughton, & Drager, 2009);
- Unique opportunities for learning about prejudice and equity (Fisher, Sax, & Jorgensen, 1998)
- Increased academic achievement, assignment completion, and classroom participation by students providing peer supports (Cushing & Kennedy, 1997).
- "Placement in inclusive classrooms does NOT interfere with the academic performance
 of students without disabilities with respect to the amount of allocated time and
 engaged instructional time, the rate of interruption to planned activities and students'
 achievement on test scores and report card grades." York, Vandercook, MacDonald,
 Heise-Neff & Caughey; 1992
- "Students without disabilities made significantly greater progress in reading and math when served in inclusive settings." Cole, et al., 2004
- "There is no significant difference found in the academic achievement of students without disabilities when served in classrooms with and without inclusion." Sermeir, Dessemontet & Bless, 2013
- The positive effects of inclusive education on classmates without disabilities have been well documented. Both research and anecdotal data have shown that typical learners have demonstrated a greater acceptance and valuing of individual differences, enhanced self-esteem, a genuine capacity for friendship, and the acquisition of new

skills. From *Inclusive Education: Practical Implementation of the Least Restrictive Environment;* Power-deFur and Orelove; 1997, Aspen Publishers, Inc.

- "Low-achieving students also benefited from the review, practice, clarity, and feedback provided to students with disabilities." From Inclusive Education: Practical Implementation of the Least Restrictive Environment; Power-deFur and Orelove; 1997, Aspen Publishers, Inc.
- "There is no research that supports the provision of self-contained classes or separate schools as a means of offering a place in which students will have greater progress than in the neighborhood school." McGregor & Vogelsberg, Inclusive Schooling Practices: Pedagogical and Research Foundations: A Synthesis of Literature that Informs Best Practices in Inclusive Schooling, 1998

It's not just that general education is better, but a separate setting is also worse

Jackson, Ryndak, and Wehmeyer (2011) said that any benefit to students of the intensive, one-on-one instruction that they may get in a self-contained classroom is overridden by the benefits of being in a general education classroom.

No studies conducted since the late 1970s have shown an academic advantage for students with IDD educated in separate settings (Falvey 2004).

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