

2019 UDL-IRN Conference

Social Inclusion for People with Special Needs

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<https://arccd.com/Top25SpecEd>

Kevin Custer, Arc Capital Development
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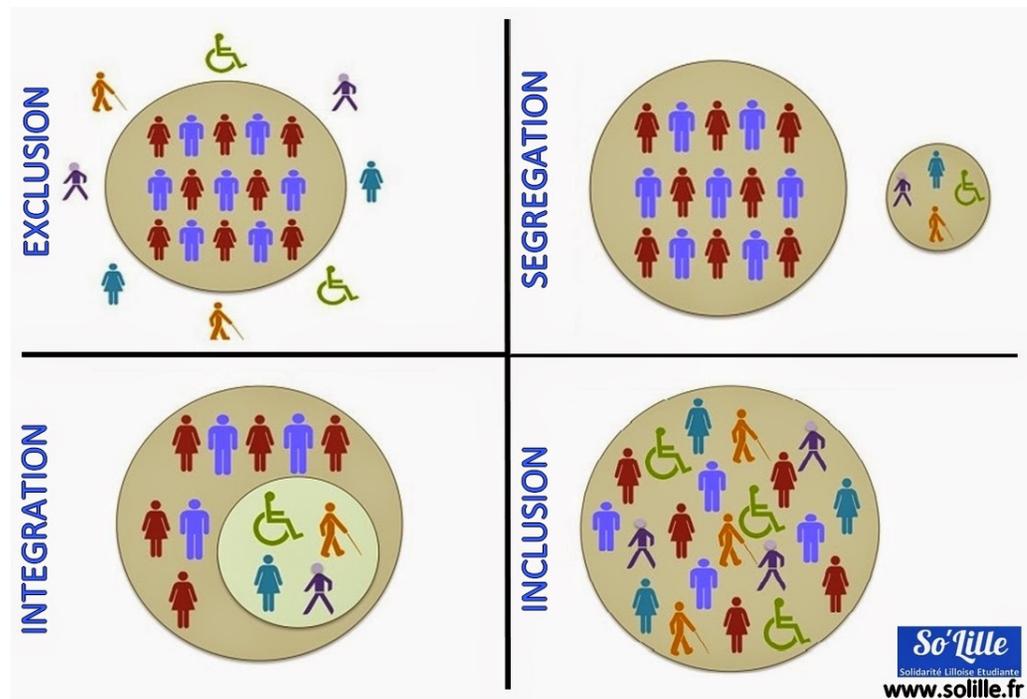
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What is Inclusion



What is Social Inclusion



Social Inclusion

Social importance

Social Communication is so important to us in the wider community that we have purposely invented technology and media platforms to enrich the process, (Facebook, Twitter, YouTube, LinkedIn, TV, Phones, etc.) allowing us to stay in touch with family and friends all over the world giving us social communication independence.

Removing choice

“Now try and imagine someone taking that choice away from you”?

Allowing you to only communicate within a space no bigger than the room you are in, imagine what that isolation would feel like because that is exactly the conditions we are asking people with communication disabilities to live in.

John Clohessy, CPO Tippy Talk



Why Social Inclusion

A growing body of research shows that the need to connect socially with others is as basic as our need for food, water and shelter, writes UCLA professor Matthew Lieberman in, "[Social: Why Our Brains Are Wired to Connect](#),"

"Being socially connected is our brain's lifelong passion. It's been baked into our operating system for tens of millions of years."

In a [study of 7,000 men and women](#) in Alameda County, Calif., begun in 1965, Lisa F. Berkman and S. Leonard Syme found that "people who were disconnected from others were roughly **three times more likely to die during the nine-year study** than people with strong social ties," John Robbins recounted in his marvelous book on health and longevity, "Healthy at 100."

As the [Harvard Women's Health Watch](#) reported, "Dozens of studies have shown that people who have satisfying relationships with family, friends and their community are happier, have fewer health problems, and live longer."



Social Inclusion, Developmental Drivers of Life

- Neuro Development via Interaction and Conversational Turns

Early Brain Development: According to the National Research Council and Institute of Medicine, the human brain develops more quickly during the first five years than at any other point in one's life. Studies have also shown that 85% of the foundation for a child's intellect, personality and skills is formed by age 5. **Strong brains are built through interactions, primarily the “serve and return” nature of conversations between child and adult.**

Conversational turns are much more important than adult words alone. In an 18-month study measuring language development in relation to adult words, TV exposure, and adult-child conversations, conversations demonstrated by far the most powerful impact on language. (Zimmerman et al., 2009) A study using neural imaging, assessments of cognitive skills, showed brain activity and verbal skills were significantly influenced by conversational turns, independent of socio-economic status or number of adult words. Composite verbal scores increased by a point for every 11 turns per hour! (Romeo et. al, 2018) Finally, a 10-year longitudinal study found that the amount of conversational turns children experienced was related to their IQ, verbal comprehension, and language skills 10 years later. (Gilkerson, et. al, 2018) Child-directed adult speech improves language and vocabulary. Improving the talk environment is not just about adults talking more, it's about meaningful interactions with the child. (Weisleder & Fernald, 2013)



Social Inclusion, Developmental Drivers of Life

- Neuro Development via Interaction and Conversational Turns
- **Language and Vocabulary Development**
 - **Receptive language** means the ability to understand information. It involves understanding the words, sentences and meaning of what others say or what is read.
 - **Expressive language** means being able to put thoughts into words and sentences, in a way that makes sense and is grammatically accurate.
 - 2,500 Word Vocabulary by Kindergarten a key predictor of third grade reading proficiency.
 - 4 Times more likely to not graduate High School if not reading in grade three.



Typical vs Non-Verbal

| Age | Vocabluary | | Social Network | |
|----------|------------|------------|----------------|------------|
| | Typical | Non-Verbal | Typical | Non-Verbal |
| 0 to 5 | 2,600 | 20 | 25 | 3-8 |
| 6 to 11 | 10,000 | 250 | 50-100 | 10-15 |
| 12 to 17 | 50,000 | 500 | 200+ | 20 |
| 18+ | 50,000+ | 500+ | 100+ | 10 |

First Steps

- Build Trust
 - Respect the Individual
 - Come from what works for them
- Interactions
 - Face to Face
 - Phone, Facetime
 - Text
 - In person with one
 - In person with Group





TippyTalk Educator



Social Communication

Sarah my teacher

can I have

my coloring pencils



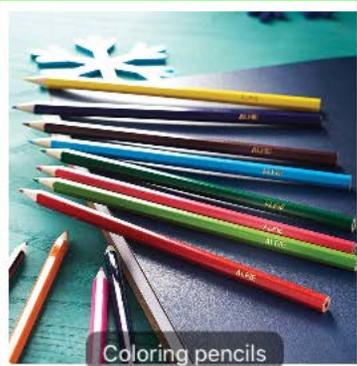
Jigsaw



Tablet



A hug



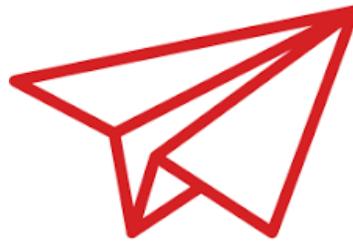
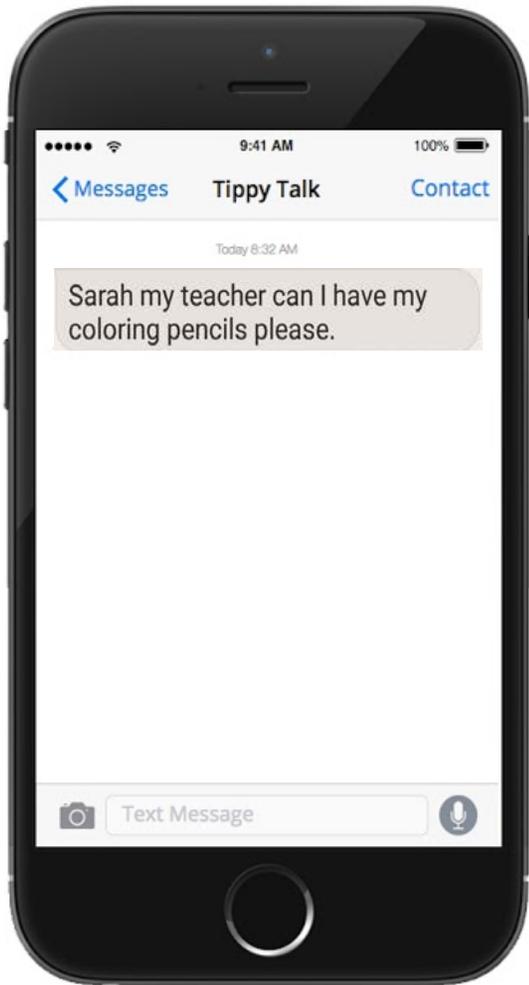
Coloring pencils



my slippers



my favourite toy



Text/Emoji



Camera



Voice Recording





**“MUSIC IS ABOUT COMMUNICATION...
IT ISN'T JUST SOMETHING THAT
MAYBE PHYSICALLY SOUNDS GOOD
OR ORALLY SOUNDS INTERESTING; IT'S
SOMETHING FAR, FAR DEEPER THAN
THAT.”**

EVELYN GLENNIE, SOLO PERCUSSIONIST

ACCESSIBLE CREATIVITY

Skoogmusic brings music-making to people of any ability or disability with its easy-to-play musical instruments for iPad, iPhone and iOS devices.

Skoog's universal user-friendly design enables fun, accessible, expressive music-making for children, parents, teachers, and families, including those with disabilities.

Key benefits:

- Enables inclusivity and accessibility.
- Helps develop musical expression & communication skills.
- Improves motor skills, coordination, and control.
- An excellent resource for multi-sensory learning with its range of free app's that can be used cross-curricular.

Oskoog
music





What Possibilities Are You Seeing?



Thank You

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