



Project Inclusion | Projet sur l'inclusion

Educator modules on disability,
accessibility, and inclusion

Module 2 Record

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Holland Bloorview
Kids Rehabilitation Hospital

Module 2 Record: Promoting inclusion

Learning outcomes

1. Compare and contrast potential ways to support social inclusion and friendships that are relevant to students' class or school setting.
2. Identify the role that adults play in creating opportunities and fostering social inclusion and barrier-free participation of students, colleagues, parents and families, and community members, in all aspects of school life.
3. Know where to locate resources related to this module and choose resources to engage and implement in your class or school setting.

Key message 1: Barrier-free interactions are key to promoting social inclusion and full participation in all aspects of school life, including with students, families, colleagues, parents, and community members.

An inclusive culture

“An inclusive culture is based on the philosophy that the whole school shares in the responsibility for inclusion.


A real culture of inclusion cannot be brought about unless everyone embraces it.”

(Community Living Ontario’s Institute, n.d.)

Lived experience 1: Ingrid

Lived experience:	Comments:
Ingrid	
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Lived experience 2: Ingrid

Lived experience:	Comments:
Ingrid	
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Universal design for learning

Universal Design for Learning (UDL) is intended to ensure that teaching is tailored to draw on the strengths and meet the needs of all students. The “universal” in UDL does not imply that there is one optimal solution for everyone; rather, it reflects awareness of the unique nature of each learner and the need to accommodate differences, creating learning experiences that suit individual learners and maximize their ability to progress.

[Learning for all: A guide to effective assessment and instructions for all students, kindergarten to grade 12](#)

What does it mean to be "barrier free"?

- An environment that, by design, is a space accessible to and usable by all persons.
- Barrier-free design promotes integration and independence through design that is safe, functional, and dignified for everyone.
- Barrier-free environments benefit everyone, including students with disabilities, peers, colleagues, families, and the wider school community.
- Actively contributing to barrier-free interactions is an ongoing effort.

Examples of guiding frameworks: Trauma-informed practices

The basic principles of trauma-informed practices include:

- trauma awareness
- emphasis on safety and trustworthiness
- opportunities for choice, collaboration, and connection
- strength building and skill building
- recognition of broader systemic inequities as experiences of trauma and violence (Canadian Public Health Association, 2019)

Promoting trauma-informed or trauma-sensitive school approaches positively impacts all students, regardless of trauma history, and children and youth with disabilities are particularly likely to benefit. (Szarkowski & Fogler, 2020)

Examples of guiding frameworks: Culturally responsive and anti-oppressive practices in schools

- An anti-oppressive framework involves the way we understand how systems of oppression such as colonialism, racism, sexism, homophobia, transphobia, classism, and ableism can result in individual discriminatory actions and structural/systemic inequalities. (Elementary Teachers' Federation of Ontario, 2021)
- Being anti-oppressive includes becoming more conscious of the way we think, the unearned privileges we carry, the ways our social locations impact us and our interactions with others, and how our experiences inform our perceptions and ideologies.
- Anti-oppressive practices aim to recognize and dismantle interpersonal as well as systemic and institutional barriers.

Examples of guiding frameworks: Valuing neurodiversity

- Neurodiversity describes the idea that neurological differences like autism, ADHD, and dyslexia are natural human variations that offer many strengths and benefits.
- The neurodiversity movement values human differences, emphasizes the strengths associated with each unique neurological design, and demonstrates how groups and teams that include neurodiverse individuals are well-positioned to enhance problem solving in a complex world.

- Neurodiversity means focusing primarily on strengths, talents, abilities, and interests, rather than on deficits. (Godden, 2017; Lewis & Norwich, 2004; Rentenbach & Prislowsky, 2016; Rentenbach et al., 2017)

What barrier-free interactions look like in schools and classrooms

1. Attitudinal barriers
2. Architectural and structural barriers
3. Technological barriers
4. Information and communication barriers
5. Barriers related to sensory disabilities, sensory processing, or cognitive differences
6. Barriers related to family engagement
7. Organizational and systematic barriers

1. Attitudinal barriers

Take a few minutes to explore potential barriers found in school communities and review practical strategies and resources that may help promote barrier-free interactions. It may be helpful to reflect on your own school or classroom.

[Barrier-area recommendations, attitudes, behaviours](#)

[How we move forward: Practicing 3 inclusive anti-racist mindsets for reopening schools](#)

[The TeachAble project](#)

[ETFO body image project](#)

2. Architectural and structural barriers

Where possible, consider:

- Are doors, passageways, and ramps accessible to all possible users?
- Are accessible toilets, grab rails, and handrails available?
- Are options available for all students within recreational areas?
- Door handles—could door handle levers be used instead of knobs?
- Arrange desks and furniture so that students with physical disabilities can move around freely.
- Talk to students with disabilities about their preferences in terms of class configuration. Remember that as students mature and develop, so too will their awareness of their needs and preferences for participation. Check in regularly.

[AODA requirements for educational institutions](#)

[What is the design of public spaces standard Ontario building code online](#)
[Section 7: Physical and architectural barriers Accessibility rules for public sector organizations](#)
[CNIB education services](#)

3. Technological barriers

- When a student requires adaptive or assistive technology, make sure the teacher and other adults in the school understand how to use it. Integrate technology as part of everyday teaching practice.
- Ensure that accessibility features (e.g., screen readers, voice recognition tools) are enabled on any digital equipment.
- Ensure that captions are included on all video content (e.g., recorded webinars, YouTube videos).
- Ensure that platforms used with families are mobile-friendly and usable across operating systems.
- Use content that can be downloaded to be used in an offline mode when the internet is not available.

[Assistive technologies for students with LDs: Information, tools, and resources for teachers](#)

[AERO](#)

[How to make information accessible](#)

[Effective use of educational software](#)

[iPad facts for supporting students with autism and other exceptionalities](#)

[Section 4: Digital learning and technology](#)

4. Information and communication barriers

- Provide information in accessible, alternative formats including braille, large print, accessible digital files, and audio or text transcripts of visual or audio information.
- Make sure information delivered by phone is also made available in alternative ways such as by email or text.
- Use captioning and described content when using film or other audiovisual resources for persons with visual or hearing impairments.

[What is the information and communications standards](#)

[How the information and communication standard applies to educational content](#)

[What are communication supports](#)

[How to make information accessible](#)

[Information and communications standards module](#)
[Resource services for deaf and hard of hearing](#)

5. Barriers related to sensory disabilities, sensory processing, or cognitive differences

- Use visually and auditorily accessible design.
- Turn off any noisy machinery, such as projectors, while they are not in use.
- Muffle the sound of chairs on tiled flooring using coverings (e.g., tennis balls); cover lights to soften fluorescent lights to help create a quieter learning environment.
- Use carpeting and tiled ceilings, which can minimize intrusive ambient noise.
- Include a visual announcement system that presents information in English/French print and ASL/LSQ, which can compensate for a multitude of safety issues.

[Classroom accessibility for students who are deaf and hard of hearing](#)

[Deaf and hard of hearing exceptionality](#)

[Blind and low vision](#)

[Accessibility at the CNIB](#)

[Classroom accommodations for sensory processing issues](#)

[How sensory processing issues affect kids in school](#)

[Creating a calming environment](#)

[Sensory strategies for teens and adults](#)

6. Barriers related to family engagement

- Work to understand social and historical contexts of families and communities.
- Use strengths-based, trauma-informed, culturally responsive, and anti-oppressive approaches when engaging with families.
- Consider that many family and school community members may have disabilities and find ways to increase access and participation.
- Ensure that school events are financially accessible and culturally responsive.

[Inclusive school culture](#)

[Bringing marginalized parents and caregivers into their children's schooling](#)

[Engaging Indigenous families and community with Ontario's schools](#)

[Encouraging parent involvement in schools](#)

[Parent engagement helps students fulfill their potential](#)

[Multi-lingual tip sheets for parents](#)

[Programs and resources for newcomer student success](#)

7. Organizational and systematic barriers

- Get to know your school's Accessibility Plan.
- If you are involved in designing or developing new or revised facilities, services, policies, processes, courses, or curricula, ensure that these are designed inclusively from a barrier-free lens.
- Create an inclusion checklist to use when organizing school events. Include questions that review barriers to accessibility and prompt reflection on who may not be able to participate fully.

[How to create an accessibility plan and policy](#)

[Section 5: Organizational barriers](#)

[Understanding Ontario's education equity action plan: Fact sheet for parents](#)

[OFIFC Response to the development of an accessibility standard for education,](#)

[Plan an accessible meeting](#)

Reflection/Discussion

What examples in this section

- Resonated with you and your school or classroom?
- Raised your curiosity about...?
- Made you consider:
 - other related resources to use or share with colleagues?
 - how barrier-free interactions set the stage for social inclusion in your classroom or school?

Write your comments below:

Key message 2: Social inclusion is an important part of development for all students, especially students with disabilities. Social inclusion lays the foundation for friendships.

Video lived experience: Gunjan

Lived experience:	Comments:
Gunjan	
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What is social inclusion?

Social inclusion, according to research studies, requires three conditions:

1. Proximity

Individuals need to be in regular proximity to each other. Without opportunities to be together, students with and without disabilities cannot begin to appreciate their similarities or shared interests.

2. Valued recognition and respect

Individuals need a sense of being recognized and respected. Relationships are built on reciprocity of interactions and perceiving one's self as connected leads to being emotionally positively affected.

3. Involvement and Engagement

Social inclusion is not possible without involvement and engagement in developmentally and socially appropriate experiences.

Defining social inclusion in the school context

- Schools are an ideal normative context for the three key conditions of social inclusion to coexist (Proximity; Valued Recognition and Respect; Involvement and Engagement).
- Students with and without disabilities spend years in school systems, and during this time, opportunities to learn, play, and socialize in classrooms, playgrounds, and gyms, and through sports, clubs, and volunteering are endless.
- Authentic social inclusion is not possible without these opportunities to do things together. The acts of “doing” create the shared experiences that resonate on an emotional level. Individuals have the sense of “I belong and I am accepted.” (Hollingsworth & Buysse, 2009; Siperstein et al., 2017; Vyrastekova, 2021)

Lived experience: Cynthia

<p>Lived experience: Cynthia</p> 	<p>Comments:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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Common "ingredients" of friendship

1. Reciprocity
2. Mutual liking and enjoyment
3. Proximity
4. Voluntary
5. Shared interest
6. Similarities

7. Intimacy

Defining friendship

- No one definition of friendship exists. One way to think of friendships is as relationships made from a combination of ingredients. While the relative proportion or presence of ingredients varies across friendships, past literature identifies common ingredients to be reciprocity, mutual liking, mutual enjoyment, proximity, voluntary nature, shared interests, similarity, and intimacy. (Day & Harry, 1999)
- Friendships are an enabling education tool. Children and youth, through their friendship activities, can extend one another's learning, thinking, and interests by drawing on other's experiences and funds of knowledge. (Hedges et al, 2011)
- Friendships are also known to act as a buffer against negative experiences such as bullying or to increase connections that can be leveraged during periods of stress or uncertainty. (Arc, 2017)

How social inclusion sets the stage for friendships

Social inclusion in the classroom is associated with:

- Higher acceptance between peers
- Greater self-confidence and self-worth
- More reciprocal friendships between students with and without disabilities (Little et al., 2020)

Socially inclusive environments foster more reciprocal friendships through creating affordances:

- Affordances = "opportunities for action"
- Can be encountered or created through students' interactions with the environment, the role of teachers, layout of classrooms, structure of daily routines, nature of activities, and more. (Pols, 2012)

Impacts of social exclusion

Students with disabilities are

- more likely to be rejected by their classmates and report having fewer stable friendships
- more likely to be targets of negative attitudes, biases, and prejudices

- more likely to identify as lonely and fare worse academically if they feel socially excluded (Heyder et al., 2019; Juvonen, 2019; Nowocki & Brown, 2013)

Social inclusion: A developmental need

- Peer acceptance and developing friendships is a developmental necessity of all students and they are willing to invest time and energy to meet this developmental need.
- A sense of belonging and acceptance fuels feelings of personal safety from judgement and ridicule, and when students with disabilities feel safe they have more energy to put toward attention and focus needed for class learning. (Arc, 2017; CASEL, 2021)

Social inclusion: An educational aspiration

Weaving students with and without disabilities into the social fabric of the school community is a fundamental activity that has a life-long impact toward supporting health and wellness.

Building a school culture of social inclusion does not need to be confined to class activities. Non-academic activities (e.g., lunch, clubs, spectator sports, dances, trips) offer rich opportunities where education and quality interactions can meld.

The worthiness of building a social inclusion school culture becomes an important educational practice. (Arc, 2017; CASEL, 2021; Juvonen et al., 2019; Shogren et al., 2015; Siperstein et al, 2017; Vyrastekova, 2021)

Write your comments below:

Key message 3: Adults play an essential role in facilitating opportunities to promote social inclusion and friendships in the school community.

Lived experience: Kelly

Lived experience: Kelly	Comments:
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Strategies, tips, and resources to promote social inclusion and friendships

Plan 1: Promoting friendship mindsets and a culture of social inclusion

Strategies

- Assume that students with and without disabilities can make lasting and meaningful friendships. (Juvonen et al., 2019; Nowicki & Brown, 2013)
- Have a school culture that supports social inclusion as a means to friendship development:
 - Commit to defining and conveying values, beliefs, and expectations of behaviour that represent social inclusion. (Arc, 2017)
- Write a code of conduct with the class and review regularly.
 - Include points such as these: accept diversity, learn from each other, ask each other to play/work together.

- Create a lesson plan about where codes of conduct have been used. Review and update on a regular basis. (Chennat, 2020)

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step toward that?

Write your comments below:

Plan 2: Setting up physical and social aspects of school and classroom environments

Strategies

- Provide opportunities for students to work in small groups to accomplish a shared goal through interactive activities and shared jobs. (Juvonen et al, 2019)
 - Switch up the classroom seating plan to give all students opportunities to work with new people. Allow groups to stay together over the course of a few months so there is time for students to get to know one another. (Nowicki & Brown, 2013)
 - Ensure the environment allows peers to sit together—do not block with chairs reserved for adult support staff. (Causton & Tracy-Bronson, 2014)
 - Consider and monitor your and other adults' roles and intensity of support for a student with a disability.
- Students want space and time to develop friendships unobserved.

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step toward that?

Write your comments below:

Lived experience: Kelly and Cynthia

Lived experience:
Kelly and Cynthia



Comments:

Plan 3: Supporting social inclusion and friendships through facilitation, prompting, and modelling

Strategies

- Knowledge about social inclusion and friendship development is a skill to be learned and using familiar teaching strategies will assist students to feel successful. (More practical strategies about building related skills are coming up next.)

- Teach social skills to students with and without disabilities by integrating social skills instruction into ongoing curriculum activities. Encourage the asking of questions and give explanations.
- Be present early to support conversation and play partners. Gradually fade assistance over time.
- Be a role model: Show visible positive interactions with children with disabilities in front of peers.
- Talk aloud about common interests you discover between children and youth with and without disabilities. Listen for what hobbies/extra-curricular activities are being talked about and find ways to highlight similarities.
- Help students invite each other to play, to initiate discussion, or to just hang out. (Boutot, 2007; Causton & Tracy-Bronson, 2014; Hutchinson & Specht, 2020; Woodgate et al., 2020)

Friendship skills

- listening
- using friendly body language
- showing others you care about them
- compromising
- inviting others (to play, activity, share an idea)
- sharing
- solving problems together

Qualities of a good friend

- Co-create and/or post a visual in the classroom listing qualities of a good friend.
- Review before breaking up into group work.
- Suggest students in each group work on one skill of their choosing.
- Examples of good qualities: good listener, trustworthy, honest, nice, kind, understanding, helpful.

Initiating a conversation

Additional considerations and specific strategies: The adult's role in supporting social inclusion and friendships through facilitation, prompting, and modelling.

- Leave conversation starters around the environment.
- Give a compliment, introduce yourself, offer help, mention something in common.
- Role model getting the attention of another person.
- Say "Hello," say a person's name politely.

Conversation skills

- Focus on the Five Ws.
- Begin a sentence with who, what, when, where, or why.
- To stay on topic or ask follow-up questions, use the Five Ws.
- Where did that happen? What happened next?

Resolving conflicts

- **Review how conflict may appear:**
 - arguments about workload during group work, disagreements, resources not being shared
- **Where to start? Potential ways to resolve conflicts:**
 - Calm down (provide/role model examples)
 - Understand the problem/issue
 - Apologize: Personalize a script
 - Can include phrases like “I am sorry for...” I won’t do that again by...”
- **To identify solutions, encourage students to routinely use statements such as:**
 - “It bugs me when you...,” “I wish you would...,” and “I like when you... .”
- **Check in**
 - Encourage peers to also ask one another how they are doing.

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step toward that?

Write your comments below:

Plan 4: Curriculum planning and activities

Practice example 1

During group assignments, set parallel academic and social goals for students by demonstrating:

- “What” to do with the class content
- “How” to supportively interact together

What can parallel academic and social goals look like?

- Kindergarten students participating in a dramatic retelling of a story. Each child takes turns looking at a peer’s dress up or storytelling choices and gives a compliment.
- High school students are assigned group work. The teacher reviews group expectations prior to starting. The last step of the instructions includes reflecting as a group about what worked well and why.

Practice example 2

When noticing a student who appears lonely, try meeting one-to-one to create a “friendship goal.”

During meeting:

- Ask who the student wants to meet.
- Ask what activities the student wants to try with others.

After meeting:

- Ask other students you feel would get along well to pair together.
- Ask for family support as needed.

Practice example 3

With children who communicate using devices or sign language, set a goal where the student becomes a “specialist teacher.”

- Reserve weekly times for the student to educate others on new ways to communicate.

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?

3. Is this an area of learning you would like to follow up on? What is your first step toward that?

Write your comments below:

Plan 5: Curriculum planning and activities

Practice Example

- Listen to what students are talking about (e.g., hobbies, extra-curricular activities).
- Then talk out loud so students can hear the similarities you discover.
- Highlight the strengths of each student:
 - Provide encouragement when noticing students helping each other solve problems
 - Offer activities that are not graded.
 - Build technology literacy skills when appropriate for older students.

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step toward that?

Write your comments below:

Plan 6: Scheduling flow and routines

Strategy examples and tips

- Maintain class routines whenever possible so all students see and hear one another having the same expectations and opportunities.
- Find ways for all students to be part of schoolwide, non-academic activities (e.g., lunch, recess, clubs, spectator sports, fundraisers).
- Add structure to social times (e.g., recess, lunch) by creating groups/teams that include any isolated students.
- As possible, based on scheduling and staffing: If the student has to leave the classroom for any routine medical/therapy appointments, try to schedule exit and re-entry times around natural routines/transitions so that they are less noticeable to peers. (Arc, 2017; Boutot, 2007; Hutchinson & Specht, 2020; Juvonen, et al., 2019)

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step toward that?

Write your comments below:

Plan 7: Building disability awareness

Strategy examples and tips

- Provide relevant broad information on disabilities (formal and informal) to counter misinformation and biases about capabilities or reduce peer anxiety.
- Students can better assess how to move past a helping, caretaker, or protector role and get down to the business of friendship development when there is knowledge available to inform their thinking. (Edwards et al., 2019; Nowicki & Brown, 2013; Woodgate et al., 2020)
- Help students understand one another. Be proactive in demystifying what disability is and what it is not. If a peer asks about another student's disability, recommend the student ask the student with disability if they would like to talk about it if able. If an individual is not able to speak for themselves it's important to connect with the parent/caregiver to have appropriate answers that reflect a careful, collaborative response. (Causton & Tracy-Bronson, 2014)

Reflection

1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step towards that?

Write your comments below:

Plan 8: Building a personal support system

Strategy examples and tips


- Working as a solo teacher in a classroom can be isolating:
 - Consider ways to collaborate across the school team to learn from one another's best practices to support social inclusion.
 - Students with disabilities will have many touch points in a day with other adults.
- What is unknown can be fearful or intimidating but with knowledge comes power.
- Leverage partnerships with families, boards, and community-based disability networks and associations to find new and innovative knowledge on best practices for creating a culture of social inclusion and maximizing opportunities for friendship development.
- Look for Communities of Practice in your district, in online forums, or through professional learning activities. Connecting with others creates a synergy to develop successful practices. (CASEL, 2021; Shogren et al., 2015)

Reflection


1. What has resonated with you about these examples?
2. What is one way your classroom or school is demonstrating this social inclusion area?
3. Is this an area of learning you would like to follow up on? What is your first step towards that?

Write your comments below:

Lived experience: Steven

Lived experience: Steven	Comments:
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Lived experience: Clovis

Lived experience: Clovis	Comments:
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Reflection/Discussion

- Think of an experience you have had that brought one or more of the conditions illustrated in this module to life, for example, nurturing a budding friendship. What enabled that to happen? What difference did it make?
- What is a small action you can take that will make a big difference to students with disabilities who want to build relationships with other students in their class?

Write your comments below:

Thank you for engaging in this learning. We would like to know about your experience with the module. Please take 5 minutes to do a short survey.

[surveymonkey.com](https://www.surveymonkey.com)

Credits

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Module 2 Links and Resources

Links

Links are listed in the order in which they appear in the key message. Where appropriate, we have included links to other resources mentioned in the module.

<p>KM 1</p>	<p><u>Learning for all: A guide to effective assessment and instruction for all students, kindergarten to grade 12</u></p> <p>Attitudinal barriers <u>Barrier-area recommendations, attitudes, behaviours</u> <u>How we move forward: Practicing 3 inclusive anti-racist mindsets for reopening schools</u> <u>The TeachAble project</u> <u>ETFO body image project</u></p> <p>Architectural barriers <u>AODA requirements for educational institutions</u> <u>What is the design of public spaces standard</u> <u>Ontario building code online</u> <u>Section 7: Physical and architectural barriers</u> <u>Accessibility rules for public sector organizations</u> <u>CNIB education services</u></p> <p>Technological barriers <u>Assistive technologies for students with LDs: Information, tools, and resources for teachers</u> <u>AERO</u> <u>How to make information accessible</u> <u>Effective use of educational software</u> <u>iPad facts for supporting students with autism and other exceptionalities</u> <u>Section 4: Digital learning and technology</u></p> <p>Information and communication barriers <u>What is the information and communications standards</u> <u>How the information and communication standard applies to</u></p>
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<p>educational content</p> <p>What are communication supports</p> <p>How to make information accessible</p> <p>Information and communications standards module</p> <p>Resource services for deaf and hard of hearing</p> <p>Sensory disabilities, processing, cognitive differences</p> <p>Classroom accessibility for students who are deaf and hard of hearing</p> <p>Deaf and hard of hearing exceptionalities</p> <p>Blind and low vision</p> <p>Accessibility at the CNIB</p> <p>Classroom accommodations for sensory processing issues</p> <p>How sensory processing issues affect kids in school</p> <p>Creating a calming environment</p> <p>Sensory strategies for teens and adults</p> <p>Family engagement</p> <p>Inclusive school culture</p> <p>Bringing marginalized parents and caregivers into their children's schooling</p> <p>Engaging Indigenous families and community with Ontario's schools</p> <p>Encouraging parent involvement in schools</p> <p>Parent engagement helps students fulfill their potential</p> <p>Multi-lingual tip sheets for parents</p> <p>Programs and resources for newcomer student success</p> <p>Organizational and systemic barriers</p> <p>How to create an accessibility plan and policy</p> <p>Section 5: Organizational barriers</p> <p>Understanding Ontario's education equity action plan: Fact sheet for parents</p> <p>OFIFC Response to the development of an accessibility standard for education</p> <p>Plan an accessible meeting</p>

Resources

- Abilities. (2021, December 30). *A look at barrier-free design*.
<https://www.abilities.ca/technology/a-look-at-barrier-free-design/>
- AccessForward. (n.d.). *Information and communication standard module*.
Retrieved July 15, 2021 from
<https://accessforward.ca/newado/icsmodule/>
- Ahn, C., Butler, A., Chahine, S., Davis, J., Jack-Davies, A., McGregor, H., Morcom, L., Ogden, H., Pind, J., Pillay, T., Rondeau, O., St. Amant, D., & Searle, M. (2020, September). *Anti-oppression / Anti-racism resources for educators*. Queens University Faculty of Education.
<https://educ.queensu.ca/sites/webpublish.queensu.ca.educwww/files/files/ScholarStrike%20Resources%20FINAL1.pdf>
- Alaca, B., & Pyle, A. (2018). *Kindergarten teachers' perspective on culturally responsive education*.
<https://files.eric.ed.gov/fulltext/EJ1192154.pdf>
- Anda, R. F., Felitti, V. J., Bremner, J. D., Walker, J. D., Whitfield, C., Perry, B. D., Dube, S. R., & Giles, W. H. (2006). The enduring effects of abuse and related adverse experiences in childhood: A convergence of evidence from neurobiology and epidemiology. *European Archives of Psychiatry and Clinical Neuroscience*, 256(3), 174–186.
- Arc of Massachusetts (2017). *Making friends with and without disabilities in school: A toolkit for teachers, professionals and parents*.
- Armstrong, T. (2013). *Neurodiversity in the classroom: Strength-based strategies to help students with special needs succeed in school and life*.
<https://pdfs.semanticscholar.org/a1f7/52d98473603c8896e4e965675e5886d78ced.pdf>
- Armstrong, T. (2017, April 1). Neurodiversity: The future of special education? *Association for Supervision and Curriculum Development*.
<https://www.ascd.org/el/articles/neurodiversity-the-future-of-special-education>

- Asbjörnslett, M., & Hemmingsson, H. (2008). Participation at school – experienced by teenagers with physical disabilities. *Scandinavian Journal of Occupational Therapy*, 15(3), 153–161.
- Blackmoon, E., & Bellefeuille, B. (2020). *Trauma-informed classrooms and land-based learning*.
<https://teachforcanada.ca/en/stories/trauma-informed-classrooms-land-based-learning/>
- Blitz, L. V., Anderson, E. M., & Saastamoinen, M. (2016). Assessing perceptions of culture and trauma in an elementary school: Informing a model for culturally responsive trauma-informed schools. *The Urban Review*, 48(4), 520–542.
- Block, J. (2015, January 12). Educate to liberate: Build an anti-racist classroom. *Edutopia*.
<https://www.edutopia.org/blog/build-an-anti-racist-classroom-joshua-block>
- Boutot, E. A. (2007). Fitting in: Tips for promoting acceptance and friendships for students with autism spectrum disorders in inclusive classrooms. *Intervention in School and Clinic*, 42(3).
- Broun, L. (2021, August). *Guideline for the effective use of educational software with students who have ASD or other developmental disabilities*.
<https://www.autismontario.com/sites/default/files/2020-05/Effective%20Use%20of%20Educational%20Software.pdf>
- Canadian Hearing Society. (n.d.). *Classroom accessibility for students who are deaf and hard of hearing*.
https://www.chs.ca/sites/default/files/mhg_images/CHS003_AccessibilityGuide_EN_APPROVED.PDF
- Cantello Daw, J., & Murphy, S. (2015, March). *Sensory strategies for teens and adults*. Autism Ontario.
<https://www.autismontario.com/sites/default/files/2020-05/Sensory%20Strategies.pdf>
- CASEL. (2021). *Fundamentals of SEL*.
<https://casel.org>
- Causton, J., & Tracy-Bronson, C. (2014). *The occupational therapist's handbook for inclusive school practices*. Paul H. Brookes Publishing Company.

- Chadsey, J., & Han, K. G. (2005). Friendship facilitation strategies: What do students in middle school tell us? *Teaching Exceptional Children*, 38(2), 52–57.
- Chennat, S. (Ed.). (2020). *Disability inclusion and inclusive education*. Springer Nature.
- Child Mind Institute. (n.d.). *How sensory processing issues affect kids in school*. <https://childmind.org/article/how-sensory-processing-issues-affect-kids-in-school/>
- Community Living Ontario. (n.d.). *Inclusive school culture*. https://webcache.googleusercontent.com/search?q=cache:KVbp_U_jUD0J:https://inclusioninstitute.fpg.unc.edu/sites/inclusioninstitute.fpg.unc.edu/files/handouts/NII%2520Inclusive%2520School%2520Culture-%2520handout.docx+&cd=18&hl=en&ct=clnk&gl=ca
- CNIB. (2021). *Accessibility at CNIB*. <https://cnib.ca/en/about-us/accessibility-cnib?region=gta>
- CNIB. (2021). *Education services*. <https://frontier-cnib.ca/education-services.php>
- ConnectAbility. (n.d.). *Creating a calming environment*. Community Living Toronto. <https://connectability.ca/2020/06/26/creating-a-calming-environment/>
- Costello, E. J., Erkanli, A., Fairbank, J. A., & Angold, A. (2002). The prevalence of potentially traumatic events in childhood and adolescence. *Journal of Trauma Stress* 15, 99–112. <https://doi.org/10.1023/A:1014851823163>
- Council of Ontario Universities. (2017). *Educator’s accessibility tool kit*.
- Council of Ontario Universities. (2017). *Understanding barriers to accessibility: An educator’s perspective*. Accessible Campus.

- Day, M., & Harry, B. (1999). "Best friends": The construction of a teenage friendship. *Mental Retardation*, 37(3), 221–231.
- Dion, J., Paquette, G., Tremblay, K. N., Collin-Vézina, D., & Chabot, M. (2018). Child maltreatment among children with intellectual disability in the Canadian incidence study. *American Journal on Intellectual and Developmental Disabilities*, 123(2), 176–188.
<https://doi.org/10.1352/1944-7558-123.2.176>
- Educators 4 Social Change. (n.d). *Teaching about neurodivergent communities*.
<https://educators4sc.org/topic-resources/teaching-about-neurodivergent-communities/>
- Edwards, B. M., Cameron, D., King, G., & McPherson, A.C. (2019). How students without special needs perceive social inclusion of children with physical impairments in mainstream schools: A scoping review. *International Journal of Disability, Development and Education*, 66(3), 298–324.
- Elementary Teachers Federation of Ontario. (2020). *Building a just society*.
<https://www.efo.ca/about-us/what-we-do/statement-on-social-justice-and-equity>
- Elementary Teachers Federation of Ontario. (2021, March). *ETFO's anti-oppressive framework: A primer*.
https://www.efo.ca/getmedia/67d7eb05-4c08-414a-8979-7d98d94899bc/210504_Anti-OppressiveBooklet.pdf
- Ericksson, L. (2005). The relationship between school environment and participation for students with disabilities. *Pediatric Rehabilitation*, 8, 130–139.
doi: 10.1080/13638490400029977
- Furo, A. (2018). Decolonizing the classroom curriculum: Indigenous knowledges, colonizing logics, and ethical spaces. (Publication No. 158456924) [University of Ottawa]. *Semantic Scholar*.
- Galloway, M. K., Callin, P., James, S., Vimgnon, H., & McCall, L. (2019). Culturally responsive, antiracist, or anti-oppressive? How language matters for school change efforts. *Equity & Excellence in Education*, 52(4), 485–501.

- Gest, S. D., & Rodkin, P. C. (2011). Teaching practices and elementary classroom peer ecologies. *Journal of Applied Developmental Psychology*, 32(5), 288–296.
- Giler, J. Z. (2011). *Socially ADDept: Teaching social skills to children with ADHD, LD, and Asperger's*. John Wiley & Sons.
- Godden, K. (2017, April 20). Embracing neurodiversity. *Indigenous Education*.
<https://indigenous.abbschools.ca/blog/mcmillan-embracing-neurodiversity>
- Government of Canada. (2018, February 2). *Trauma and violence-informed approaches to policy and practice*.
<https://www.canada.ca/en/public-health/services/publications/health-risks-safety/trauma-violence-informed-approaches-policy-practice.html>
- Government of Ontario. (n.d.). *How to create an accessible plan and policy*.
<https://www.ontario.ca/page/how-create-accessibility-plan-and-policy>
- Government of Ontario. (2021, July 7). *Barrier area narratives and recommendations*.
<https://www.ontario.ca/document/development-proposed-kindergarten-grade-12-k-12-education-standards-2021-initial-recommendations/barrier-area-narratives-and-recommendations>
- Government of Ontario. (2021, August 13). *How to make information accessible*.
<https://www.ontario.ca/page/how-make-information-accessible>
- Government of Ontario. (2021, September 9). *Accessibility rules for public sector organizations*.
<https://www.ontario.ca/page/accessibility-rules-public-sector-organizations>
- Hedges, H., Cullen, J., & Jordan, B. (2011). Early years curriculum: funds of knowledge as a conceptual framework for children's interests. *Journal of Curriculum Studies*, 43(2), 185–205.
doi: 10.1080/00220272.2010.511275
- Hemmingsson, H., & Borell, L. (2000). Accommodation needs and student-environment fit in upper secondary school for students with severe

physical disabilities. *Canadian Journal of Occupational Therapy*, 67(3), 162–73.

Heyder, A., Sudkamp, A., & Steinmayr, R. (2020). How are teachers' attitudes towards inclusion related to the social-emotional school experiences of students with and without special education needs? *Learning and Individual Differences*, 77, 1–11.
doi: 10.1016/j.lindif.2019.101776

Holland Bloorview Kids Rehabilitation Hospital. (2021). *Having body positive conversations with children*.
<https://hollandbloorview.ca/sites/default/files/2021-07/Parent%20Guide.pdf>

Hollingsworth, H. L., & Buysse, V. (2009). Establishing friendships in early childhood inclusive settings. What roles do parents and teachers play? *Journal of Early Intervention*, 31(4), 287-307.
doi: 10.1177/1053815109352659

Hutchinson, N. L., & Specht, J. (2020). *Inclusion of learners with exceptionalities in Canadian schools: A practical handbook for teachers*. Pearson.

Inclusive School Communities Project. (n.d.). *Inclusive school culture*.
<https://inclusiveschoolcommunities.org.au/resources/toolkit/inclusive-school-culture>

Ipolito, J. (2012, August). Bringing marginalized parents and caregivers into their children's schooling. *What works? Research into Practice*.
https://thelearningexchange.ca/wpcontent/uploads/2017/02/WW_MarginParents.pdf

Juvonen, J. (2019). Multiple approaches to uniting students across groups: Introduction to the special Issue on social inclusion. *Educational Psychologist*, 54(4), 247–249.

Juvonen, J., Lessard, L. M., Rastogi, R., Schacter, H. L., & Smith, D. S. (2019). Promoting social inclusion in educational settings: Challenges and opportunities. *Educational Psychologist*, 54(4), 250–270.
<https://doi.org/10.1080/00461520.2019.1655645>

Klinic Community Health Centre. (2013). *Trauma informed: The trauma toolkit*.

https://trauma-informed.ca/wp-content/uploads/2013/10/Trauma-informed_Toolkit.pdf

Kluth, P. (2021, June 21). *Honoring and including students with communication differences*.

<https://www.autismontario.com/news/honoring-and-including-students-communication-differences>

LD@school. (2014, August 6). *Assistive technology for students with learning disabilities: Information, tools, resources for teachers*.

<https://www.ldatschool.ca/information-tools-resources/>

Lewis, A., & Norwich, B. (Eds.). (2004). Special teaching for special children? Pedagogies for inclusion. *Inclusive Education. Educational and Child Psychology, 24*(3).

Little, C., DeLeeuw, R. R., Andriana, E., Zanuttini, J., & David, E. (2020). Social inclusion through the eyes of the student: Perspectives from students with disabilities on friendship and acceptance. *International Journal of Disability, Development and Education, 1–20*.

doi: 10.1080/1034912X.2020.1837352

Maich, K., & Hall, C. (2021). *iPad facts for supporting students with Autism and other exceptionalities*.

<https://www.autismontario.com/sites/default/files/2021-01/iPad%20Facts%20for%20Supporting%20Students%20with%20Autism%20and%20Other%20Exceptionalities.pdf>

Makan, K. (2007, February). Confronting racism in the classroom. *ETFO Voice*.

<https://etfovoice.ca/node/102>

Minahan, J. (2019). *Trauma-informed teaching strategies*.

<https://www.ascd.org/el/articles/trauma-informed-teaching-strategies>

Miss Monica. (2016, October 23). How to talk to your students about neurodiversity. *I Heart Grade 3*.

<https://www.iheartgrade3.com/talk-students-neurodiversity/>

Morin, A. (n.d.). *Classroom accommodations for sensory processing issues*.

<https://www.understood.org/articles/en/at-a-glance-classroom-accommodations-for-sensory-processing-issues>

Nowicki, E., & Brown, J.D. (2013). “A kid way”: Strategies for including classmates with learning or intellectual disabilities. *Intellectual and Developmental Disabilities*, 15(4), 253–262.
doi: 10.1352/1934-9556-51.4.253

Oakley, B. (n.d). 45 ideas for classroom friendly fidget toys. *Autism Ontario*.
<https://www.autismontario.com/sites/default/files/2021-01/Fidget%20Toys.pdf>

Ontario Education Services Corporation. (2021). *TeachAble project*.
<http://theteachableproject.org/>

Ontario Federation of Indigenous Friendship Centres. (n.d). *Trauma-informed schools in Indigenous contexts module*.
<https://ofifc.org/?research=trauma-informed-schools-in-indigenous-contexts-module>

Ontario Federation of Indigenous Friendship Centres. (2016). Trauma-informed schools. *OFIFC Research Series, Volume 4*.
<https://ofifc.org/wp-content/uploads/2020/03/Trauma-Informed-Schools-Report-2016.pdf>

Ontario Federation of Indigenous Friendship Centres. (2017). *Response to a development of an accessible standard for education*.
<https://ofifc.org/wp-content/uploads/2020/03/2017-06-21-Increasing-Education-Access-for-Urban-Indigenous-Students.pdf>

Ontario Ministry of Education. (2013). *Learning for all: A guide to effective assessment and instruction for all students kindergarten to grade 12*.
<http://www.edu.gov.on.ca/eng/general/elemsec/speced/learningforall2013.pdf>

Ontario Ministry of Education. (2014). *Alternative education resource Ontario*.
<http://alternativeresources.ca/Aero/Public/WelcomePage.aspx>

Ontario Ministry of Education. (2016). Supporting students with refugee backgrounds: A framework for responsive practice. *Capacity Building, K–12*.
https://thelearningexchange.ca/wp-content/uploads/2017/02/cbs_refugees.pdf

- Ontario Ministry of Education. (2017). *Understanding Ontario's education and equity plan: A parent fact sheet*.
https://toronto.oapce.org/wp-content/uploads/2019/09/education_equity_plan_fact_en.pdf
- Ontario Ministry of Education. (2020). *Parent engagement: Encouraging parent involvement in schools*.
<http://www.edu.gov.on.ca/eng/parents/involvement/>
- Ontario Secondary Schools Teachers' Federation. (n.d.). *Anti-oppression*.
https://www.safeatschool.ca/sites/default/files/OSSTF_anti_oppression.pdf
- Ontario Teachers' Federation. (n.d.). *Deaf and hard of hearing exceptionality*.
<https://www.teachspeced.ca/deaf-and-hard-of-hearing>
- Parents Engaged in Education (2021). *Parent engagement resources*.
<https://www.parentsengagedineducation.ca/parent-engagement-resources>
- People for Education. (n.d.). *Parent involvement in education*.
<https://peopleforeducation.ca/topics/parent-involvement/>
- Pivik, J., McComas, J., & Laflamme, M. (2002). Barriers and facilitators to inclusive education. *Exceptional Children*, 69(1), 97–100.
doi: 10.1177/001440290206900107
- Planbook. (n.d.). *The teacher's guide to combating classroom ableism*.
<https://blog.planbook.com/classroom-ableism/>
- Pols, A. J. K. (2012). Characterising affordances: The descriptions-of-affordances-model. *Design Studies*, 33(2), 113–125. doi:
<https://doi.org/10.1016/j.destud.2011.07.007>
- Prellwitz, M., & Skar, L. (2006). How children with restricted mobility perceive the accessibility and usability of their home environment. *Occupational Therapy International*, 13(4), 193–206.
<https://doi.org/10.1002/oti.216>

- Rentenbach, B., & Prisolovsky, L. (2016). *Neurodiversity: A humorous and practical guide to living with ADHD, anxiety, autism, dyslexia, the gays, and everyone else*. Mule & Muse Productions.
- Rentenbach, B., Prisolovsky, L., & Gabriel, R. (2017, May 1). Valuing differences: Neurodiversity in the classroom. *Phi Delta Kappan*.
<https://kappanonline.org/rentenbach-prisolovsky-gabriel-valuing-differences-neurodiversity-classroom/>
- Rodger, S. (2020). Trauma and violence informed teaching – why it is critically important, and how we can do it. *PHE Canada*.
<https://phecanada.ca/connecting/blog/trauma-and-violence-informed-teaching-why-it-critically-important-and-how-we-can-do>
- Rose, D., & Meyer, A. (2002). *Teaching every student in the digital age*. ASCD.
- Schlichtmann, G. R., Lovelace, T., Krusel, L., & Tucker, E. (2020, July 16). *How we move forward: Practicing three inclusive anti-racists mindsets for reopening schools*.
<https://www.gettingsmart.com/2020/07/how-we-move-forward-practicing-three-inclusive-anti-racist-mindsets-for-reopening-schools/>
- Shogren, K. A., McCart, A. B., Lyon, K. J., & Sailor, W. S. (2015). All means all: Building knowledge for inclusive schoolwide transformation. *Research and Practice for Persons with Severe Disabilities*, 40(3), 173–191.
doi: 10.1177/1540796915586191
- Sider, S., & Maich, K. (2014). Assistive technology tools to support literacy learning for all learning in the inclusive classroom. *What Works? Research into Practice*.
https://thelearningexchange.ca/wpcontent/uploads/2017/02/WW_TechnologyTools.pdf
- Siperstein, G. N., Summerill, L. A., Jacobs, H. E., & Stokes, J. E. (2017). Promoting social inclusion in high schools using a schoolwide approach. *Inclusion*, 5(3), 173–188.
doi:10.1352/2326-6988-5.3.173
- Smagorinsky, P. (2020). Neurodiversity and the deep structure of schools. *Ought: The Journal of Autistic Culture*, 2 (1), 10–35.

<https://scholarworks.gvsu.edu/cgi/viewcontent.cgi?article=1051&context=ought>

SNOW Inclusive Learning and Education. (n.d.). *How the information and communication standard applies to education content.*

<https://snow.idrc.ocadu.ca/accessible-media-and-documents/applying-the-aod-a-to-educational-content/how-the-information-and-communication-standard/>

Sosnowy, C., Silverman, C., Shattuck, P., & Garfield, T. (2019). Setbacks and successes: How young adults on the autism spectrum seek friendship. *Autism in Adulthood, 1*(1), 44–51.

Sparx. (2020, March 10). Four ways to support neurodiversity in the classroom. *The Education and Development Forum.*

<https://www.ukfiet.org/2020/four-ways-to-support-neurodiversity-in-the-classroom/>

Stephens, L., Scott, H., Aslam, H., Yantzi, N., Young, N. L., Ruddick, S., & McKeever, P. (2015). The accessibility of elementary schools in Ontario, Canada: Not making the grade. *Children, Youth and Environments, 25*(2), 153–175.

Symeonidou, S., & Chrysostomou, M. (2019). 'I got to see the other side of the coin': Teachers' understandings of disability-focused oppressive and anti-oppressive pedagogies. *International Journal of Educational Research, 98*, 356–365.

<https://doi.org/10.1016/j.ijer.2019.09.012>

Szarkowski, A., & Fogler, J. (2020). *Supporting students with disabilities in trauma-sensitive schools.*

<https://www.ascd.org/el/articles/supporting-students-with-disabilities-in-trauma-sensitive-schools>

Thomas, M. S., Crosby, S., & Vanderhaar, J. (2019). Trauma-informed practices in schools across two decades: An interdisciplinary review of research. *Review of Research in Education, 43*(1), 422–452.

Thomson, G. (2009). *Plan an accessible meeting.* AODA. Retrieved July 23, 2021, from

<https://www.aoda.ca/plan-an-accessible-meeting/>

Thomson, G. (2018). *Ontario needs to make school spaces more accessible.* AODA. Retrieved July 23, 2021, from

<https://www.aoda.ca/ontario-needs-to-make-more-school-spaces-accessible/>

Thomson, G. (2018). *What are communication supports?* AODA. Retrieved August 31, 2021, from <https://www.aoda.ca/what-are-communication-supports/>

Thomson, G. (2018). *What is the information and communication standards?* AODA. Retrieved August 31, 2021, from <https://www.aoda.ca/what-is-the-information-and-communications-standards/>

Thomson, G. (2019). *AODA requirements for educational institutions.* AODA. Retrieved September 1, 2021, from <https://www.aoda.ca/aoda-requirements-for-educational-institutions/>

Thomson, G. (2019). *What is the design of public spaces standards?* AODA. Retrieved August 26, 2021, from <https://aoda.ca/what-is-the-design-of-public-spaces-standard/>

Timmons, V., Breitenbach, M., & MacIsaac, M. (2006). *Educating children about autism in an inclusive classroom.* Government of Prince Edward Island. http://www.gov.pe.ca/photos/original/ed_autisminc.pdf

Vyrastekova, J. (2021). Social inclusion of students with special education needs assessed by the inclusion of other in the self scale. *PLoS ONE*, 16(4), 1–17. <http://doi.org/10.1371/journal.pone.0250070>

Wilbert J., Urton, K., Krull J., Kulawiak P. R., Schwalbe A., & Hennemann T. (2020). Teachers' accuracy in estimating social inclusion of students with and without special educational needs. *Frontiers in Education*. 5, 1–11. <https://www.frontiersin.org/article/10.3389/feduc.2020.598330>

Wolpow, R., Johnson, M. M., Hertel, R., & Kincaid, S. O. (2009). *The heart of learning and teaching: Compassion, resiliency, and academic success.* Office of Superintendent of Public Instruction Compassionate Schools. <https://www.k12.wa.us/sites/default/files/public/compassionateschools/pubdocs/theheartoflearningandteaching.pdf>

Woodgate, R. L., Gonzalez, M., Demczuk, L., Snow, W. M., Barriage, S., & Kirk, S. (2020). How do peers promote social inclusion of children with disabilities?

A mixed-methods systematic review. *Disability and Rehabilitation*, 42(18), 2553–2579.

doi: 10.1080/09638288.2018.1561955

Wotherspoon, T. (2002). The dynamics of social inclusion: Public education and Aboriginal education in Canada. *Working Paper Series: Perspectives on Social Inclusion*.

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.198.2588&rep=rep1&type=pdf>

Yep, S. (n.d.). *Engaging Ontario's families and communities in schools: Sharing ways to build trust and relations*.

<https://aes-keb.com/wp-content/uploads/2019/02/Engaging-Indigenous-Families-and-Community.pdf>