Twice-Exceptionality and Inclusive Education



Susan Prior, Prior Learning, March 17, 2023



What do we know?

What can we do?

Gifted Groups

Diversity to differentiation

EQUITY

When we look at our schools-

who is in, who is out, who decides and what are we going to do about it?

Roger Slee for UNESCO 2018

The thinking and actions of inclusive educators are shaped by a series of direct questions:

What kind of world do we want our children and young people to live in? What kind of schools and classrooms are required to achieve that world? What do children need to know think and be able to achieve a more inclusive world?



Equity-mindedness

FIGURE 7 | Equality vs. equity in the short and long term



In this first image, it is assumed that everyone benefits from the same support. They are being treated **equally**.



Individuals are given different support to make it possible for them to have equal access to the view. They are being treated equitably.



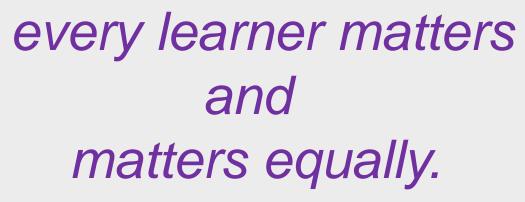
All three can see the view without any support because the cause of inequality was addressed. The systemic barrier has been **removed**.

Deloitte Insights | deloitte.com/insights

The outlook, perspective or mode of thinking exhibited by those who call attention to patterns of inequity and are willing to assume personal/institutional responsibility for the elimination of inequity. This includes being "conscious," noticing differences in experiences among cultural groups, and being willing to talk about race, gender, class, sexual orientation, ability, ethnicity as an aspect of equity. Equity perspectives are evident in actions, language, problem-solving, & cultural practices.

Coleman, A., & Ellis, T. (2023). E2: Equity and Excellence Framework.

Inclusive education



Diversity is all about differences. Inclusion is our capacity to include these differences. (Gordon, 2010)





Inclusion is also.....

A contested field of research without a universally accepted definition, theory, or model of practice.

(Jarvis, et al., 2020)

The tendency is.....to adopt a narrow approach to inclusion that is concerned with where education takes place.

(DeBeco, 2022)



Most students who are gifted are in the inclusive, regular classroom (Taylor, 2016)

• Place?

• Provision?

Including students who are gifted almost reverses concepts of inclusive education for students with disability

(Callaghan et al., 2020)

Ethical Challenges in inclusive education

especially critical for gifted students who face disability, poverty, low socioeconomics, poorly educated parents, and/or live in non-nativespeaking homes

 twice exceptional students, can be seen as the most at-risk population among the gifted, as they are often not even identified or recognized as gifted

(Tirri, K. & Lane, S., 2017).

UNDERSTANDINGS OF INCLUSIVE EDUCATION

1.Placement of pupils with disabilities in mainstream classrooms

2. the social/academic needs of pupils with disabilities

3. the social/academic needs of all pupils

4. Creation of communities.

(Göransson and Nilholm, 2014)

The worldwide trend toward inclusive education has focused on students with a wide range of disabilities.....but has **so far overlooked those who have various gifts or talents in addition to their disabilities.**

Gierczyk, M., & Hornby, G. (2021). Twice-Exceptional Students: Review of Implications for Special and Inclusive Education. *Education Sciences*, *11*(2), 85. MDPI AG.





Inclusive education and diverse students who are gifted

Inclusion is about the removal of barriers to learning with a focus on those who are most at risk of marginalisation or exclusion in any system

(Ainscow et al., 2016; Forlin et al., 2013).

Gifted students may be among the most marginalised students in education, so we need more information on how to serve these students in inclusive education

(Ford, 1998; Gentry et al., 2002; Rogers, 2002). The principle of inclusive education in the widest sense, means gifted students should have their educational needs met

(Hodges et al., 2018; Ninkov, 2020).

However, there is little research on inclusive gifted education and there is a gap between the policy and practice of inclusive education

(Carrington & Elkins, 2002; Ainscow & Sandhill, 2010; Graham & Spandagou, 2011; Haug, 2017; Kinsella, 2020).

1989 Global

Article 29

Universal Declaration of Human Rights in 1948 (UNESCO)

Your education should help you use and develop your talents and abilities.

It should also help you learn to live peacefully, protect the environment and respect other people.

Article 1 Evenues under 18 Rauthese Jahrs Article 2 Al childen take these lights, so matter who they are where they are what they alreads do that language they speak, what they religio subscher they are a bity at pid, what they palture is, whether they have a daubility, whether the are such or posse. You child should be breated shally on any basis. Article 2 All adults chieved do what is beed for your When static rate decision, they cloud think about how their decisions will offset children. Article 6 The government has a requirability to make care plan rights are partnered. They must help your landy to purport your sights and couste an etoi convert where you can give and much your Article 5 our family has the sequenzities to help you

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into target for sill one incerts.

UN Convention on the Rights of the Child In Child Friendly Language

"Rights" are things every child should have or be able to do. All children have the same rights. These rights are listed in the UN Convention on the Rights of the Child. Almost every country has agreed to these rights. All the rights are connected to each other, and all are equally important. Sometimes, we have to think about rights in terms of what is the best for children in a situation, and what is critical to life and protection from harm. As you grow, you have more responsibility to make choices and exercise your rights.

> Article 28 Article 40 his face the light to legal help and his mean You have the right to a good quality education ment in the judice options that leaders your a though be estimated to go to achaed to the higher level was the. Article 29 Article at If the lass of your country possile better pro-tection of your rights that the articles in this to a starting doubt help you use and dealon your takents and addition. It should also help pairings to for peacefully protect the reviso Convertion, these laws shauld apply mers and sequel only people. Article 42 Article 20

tou have the sight to know your rights! You have the sight to practice your own culture language and religion - or any your doctor. Adult: thread Anise adapter thread lights and help you bear, about them, tax thinkity and independent people need special Articles 42 to 54 probables of this light These articles replace how governments and international organizations the shoCEF with Article 21 You have the right to play and red. suit to ensure children are pomerad with

Article 32 You have the cight to protection from work the lattic yes, and is had for your facility and ediprint. If your work, you have the right to be iphy and paid takes Acticle 22 the have the right to protection from transit







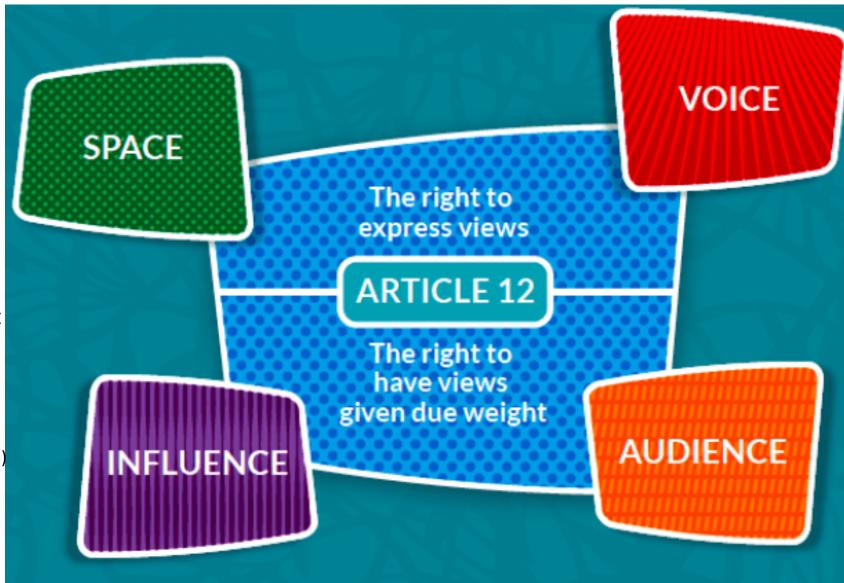


QUEEN RLEXANDRA

Canadian Patrimoine



The Lundy Model 2007



Voice is not enough

'hidden voices' who, under certain conditions, can encourage the improvement of schools in ways that would be of benefit to all

(Attfield & Williams, 2003)

Salamanca Statement 1994

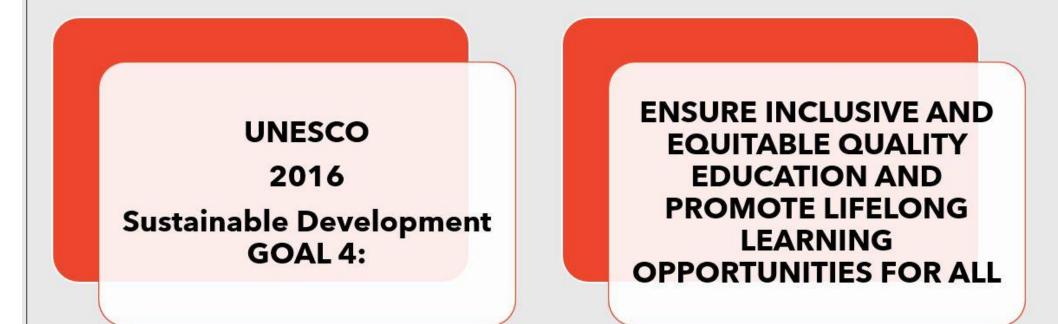
UNESCO

 The guiding principle that informs this Framework is that schools should accommodate all children regardless of their physical, intellectual, social, emotional, linguistic or other conditions.

 This should include disabled and gifted children, street and working children, children from remote or nomadic populations, children from linguistic, ethnic or cultural minorities and children from other disadvantaged or marginalized areas or groups. (UNESCO, 1994, p. 6)



UNESCO SD Goal 4: and considering students who are gifted



Impacted by socioeconomic status of parents, the quality of educators, religious and cultural attitudes, and government policy, globally, the sustainable provision of quality education for gifted children is not uniform, with some countries and regions at significant risk of failing to achieve targets set by the 2030 Agenda for Sustainable Development (Parr & Stevens, p. 1, 2019)

Committee on the Rights of Persons with Disabilities (CRPD) (Intersectionality? Giftedness AND disability, etc etc...?)

Article 24 of the Convention on the Rights of Persons with Disabilities creates a right to 'inclusive education' which is directed towards 'the full development of human potential and sense of dignity and self-worth'

UN Committee on the Rights of Persons with Disabilities (CRPD), General comment No 4 (2016), Article 24: Right to inclusive education, 2 September

and 'effective participation in society'. In particular, article 24(2) states that persons with disabilities should not be excluded from the general education system, but rather should receive '[e]ffective individualized support... in environments that maximize academic and social

development, consistent with the goa of full inclusion'. (Walsh, 2020)

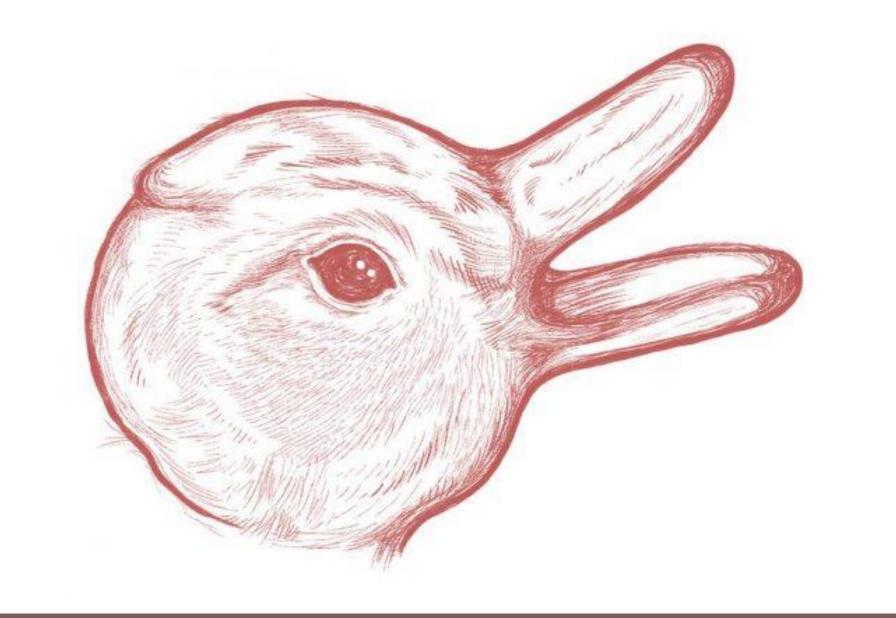
Inclusion

 a process of systemic reform embodying changes and modifications in content, teaching methods, approaches, structures and strategies in education to overcome barriers with a vision serving to provide all students of the relevant age range with an equitable and participatory learning experience and environment that best corresponds to their requirements and preferences (UN, 2016, para 11).



Article 24 CRPD

Placing students with disabilities within mainstream classes without these adaptations does not constitute inclusion.



Intersectionality

UNESCO identified students who are gifted as one amongst several marginalised groups (UNESCO 1994)

Gifted children from backgrounds of disadvantage are particularly at risk of being invisible gifted students. (Merrotsy, 2013; Tirri & Lane, 2017) The majority (80%) of studies focused on PD efforts that support teachers to address *a single form of students' difference.*

It assumes that the development of one form of difference (e.g., ability) has developed independently from other forms of difference "The complexity of inclusive classrooms can be overwhelming. It requires a broad conceptualisation of the role of teacher in relationship to diverse student needs and goals."

(Kozleski & Waitoller, 2010, p. 658)



Unfortunately, disability/ability has been omitted as a critical form of difference in discussions of intersectionality in spite of the many contact points across these forms of difference.

(Artiles, 2003, 2010; Ervelles & Minear, 2010).



Organisation for Economic Co-operation and Development

O.E.C.D

Promoting inclusive education for diverse societies: A conceptual framework.

Analyse diversity, equity and inclusion in education.

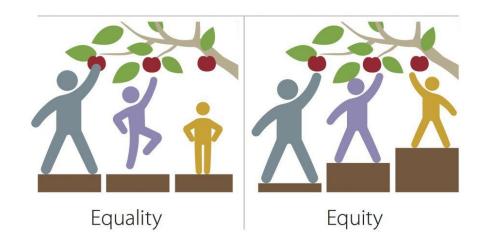
OECD working paper no. 260

Cerna, L., Mezzanotte, C., Rutigliano, A., Brussino, O., Santiago, P., Borgonovi, F., & Guthrie, C. (2021).

• Countries with more equitable fair and inclusive systems produce better results (OECD 2016)

 Australia has one of the most segregated school systems in the OECD (4/36)

(Anderson & Boyle, 2016)



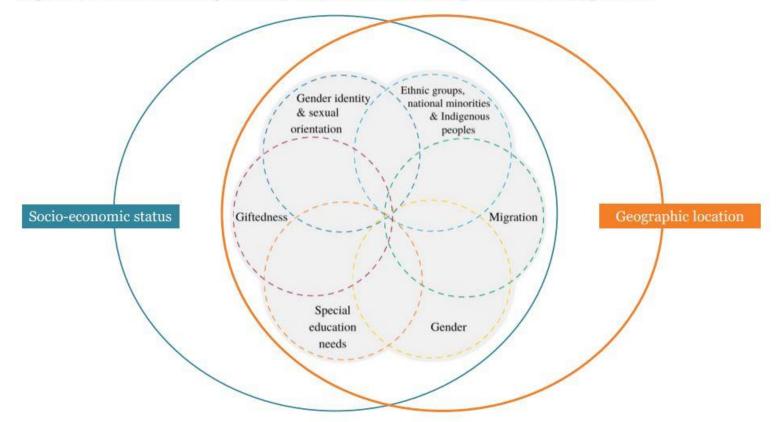
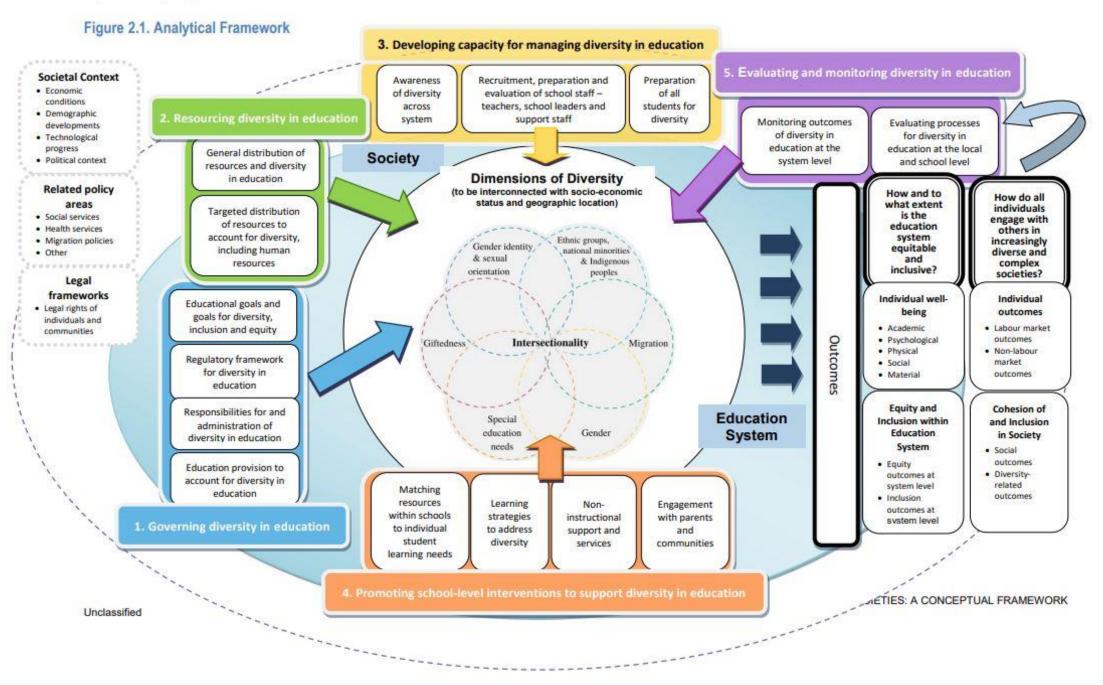


Figure 2.3. Intersectionality between dimensions of diversity and overarching factors

Note: The image synthetises the intersections that can occur in terms of personal characteristics of individuals that are specifically analysed by the Strength through Diversity project as dimensions of diversity, without prejudice to others that can be impactful on people's life experiences such as religion, age, etc. Socio-economic status and geographic locations are considered "overarching dimensions" that intersect with each other and have a general impact on all other characteristics.

8 | EDU/WKP(2021)17



Australia

- Inclusive education was adopted early on in Australia for the provision of education to students with a disability (IYDP, 1981).
- The Melbourne Declaration on Educational Goals for Young Australians was published **(2008)**
- No reference was made to disability; rather the identified goals were aimed at all school students.
- From this time, inclusive education in Australia became about the successful education of all students

• Anderson, J., & Boyle, C. (2015). Inclusive education in Australia: Rhetoric, reality and the road ahead. *Support for learning*, *30*(1), 4-22.









AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY



 students who are gifted and talented may also have a disability, and/or
 English as an additional language or dialect

research suggests that 14 per cent of children who are identified as being intellectually gifted may also have a learning disability, whereas only about 4 per cent of children in the general population may also have a learning disability[*]. In some instances, a student may require support in more than one element of diversity

*Wormald, C. (2015, March 25). Intellectually gifted students often have learning disabilities. *The Conversation*.



"students who are gifted and talented and who are impacted by disability."

(NCCD 2023)

Impact of the disability

The defining characteristics of the twiceexceptional learner is evidence of high performance or potential in a gift, talent, or ability combined with a disability that suppresses the student's ability to achieve to his/her potential

(Brody and Mills, 1997; Assouline, Foley-Nicpon, & Fosenburg, 2013; Foley-Nicpon, Doobay, & Park, 2017).



NCCD

- Evidence that the student has been provided with an adjustment(s) to address the functional impact of a disability for a minimum of 10 weeks of school education in the 12 months preceding Census Day.
- Physical, cognitive, social emotional, sensory
- Assessed needs, adjustments provided, consultation, ongoing monitoring and review

Prevalence rates in Australia



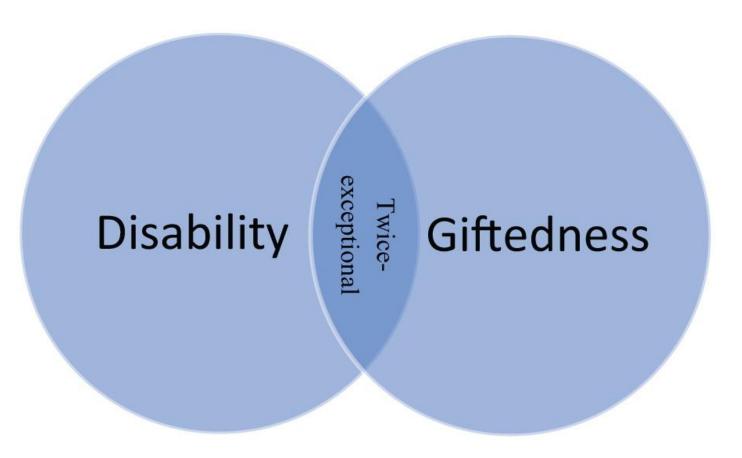


2-7%

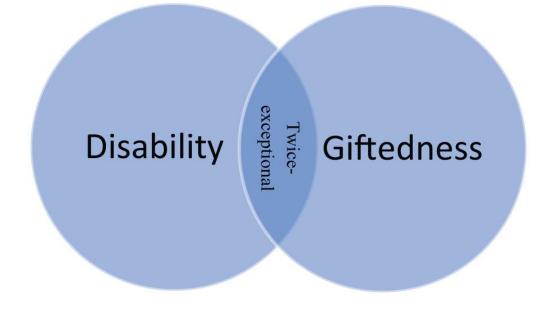
Ronksley-Pavia, M. (2020). Twice-exceptionality in Australia: Prevalence estimates. Australasian Journal of Gifted Education, 29(2), 17–29. https://search.informit.org/doi/10.3316/informit.4 33291132264635



Disability in gifted populations? Giftedness in disability populations?



Ronksley-Pavia, M. (2015). A Model of Twice-Exceptionality: Explaining and Defining the Apparent Paradoxical Combination of Disability and Giftedness in Childhood. *Journal for the Education of the Gifted, 38(3), 318–340.*



- **6%** of students with disability are also gifted (NEA)
- Stöger, H., Ziegler, A. Nuñez, M., Gläser-Zikuda, M. (2022). Toward inclusive gifted education: Rethinking and redefining the terms heterogeneity, homogeneity, exclusion, and inclusion from the perspective of school pedagogy.
- A Inclusão Educativa nas Altas Capacidades: Argumentos e Perspetivas ANÉIS
- 9% of students with disabilities "might be considered academically advanced or potentially gifted"

• Barnard-Brak, Johnsen, Pond Hannig, and Wei 's (2015) estimate (p. 77).

<u>https://hechingerreport.org/twice-exceptional-doubly-disadvantaged-how-schools-struggle-to-serve-gifted-students-with-disabilities/</u>

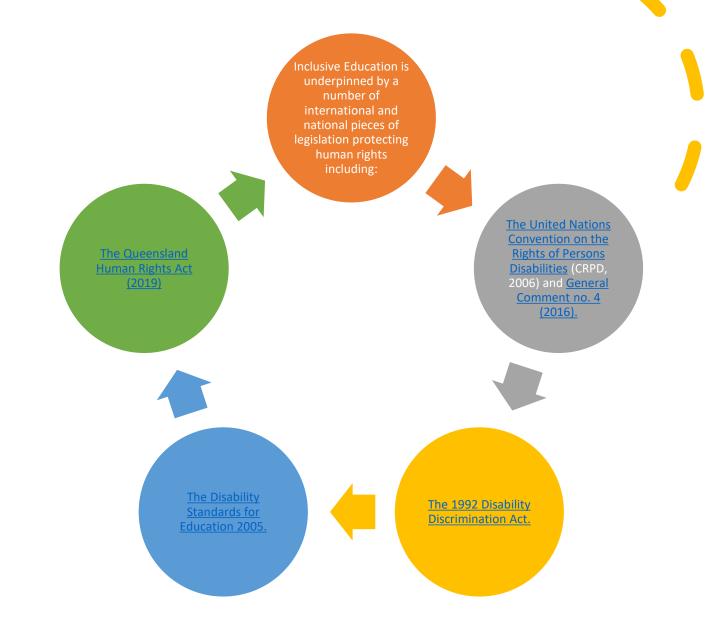
Queensland Education Department

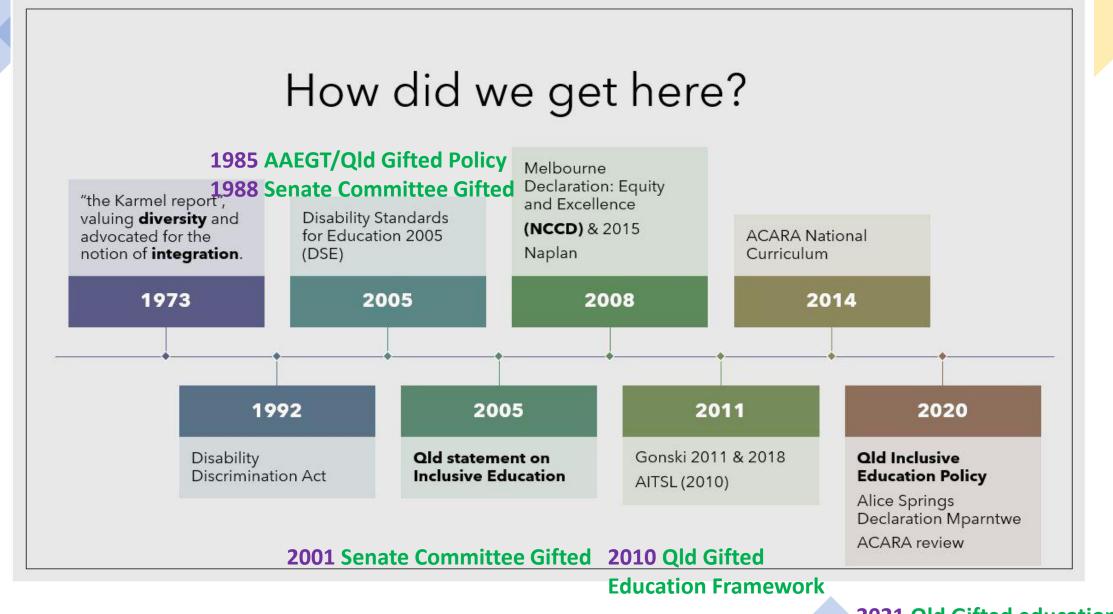
Independent Schools Queensland

Brisbane Catholic Education

Catholic Education Commission

QUT Centre for Inclusive Education





2021 Qld Gifted education Policy Removed

Is gifted education in Australia stuck? (Walsh & Jolly, 2018)

Each of the 8 state and territories in Australia has its own Education Act



No Federal legal mandate for educational provision for students who are gifted. Senate Enquiry into gifted education (1988, 2001) few recommendations enacted

Salamanca Statement (1994)

UN Convention on the Rights of the Child (1989)



What do we know about twice exceptionality?

Idiosyncratic

- The characteristics of each exceptionality
- The context in which behaviour is observed
- The effects of the coexistence (Reis et al, 2014) "liminal space"
- Extremely diverse group
- Asynchrony (precocious, complex, intense)
- No diagnosis "twice-exceptional"



- 41% of gifted students with disabilities are not diagnosed until college (McEachern & Barnot 2001)
- Identification focuses on the narrow views and assessment of disability/ability with stereotypical expectations (Cline & Hegerman 2001)

What do we know? What the 2e research says

Lack of racially, ethnically and socioeconomically diverse samples

Vert small and often clinical samples only(Pfieffer, 2013)

Definitions and approaches vary

Research needs to ground investigations in standard definitions

2e differences or similarities to special education populations are unknown Investigate recommendations as for gifted children (eg likeminded peers) More complex social and emotional presentation than gifted without a diagnosis







- Is the most common characteristic reported.
- The social environment may explain strong individual variability in non-cognitive factors for those experiencing 2e

(Beckmann and Minnaert, 2018)

Gierczyk, M.; Hornby, G. Twice-Exceptional Students: Review of Implications for Special and Inclusive Education. Educ. Sci. 2021, 11, 85. https://doi.org/10.3390/ educsci11020085

What do we know?

- gifted students with emotional and behavioural disabilities have been overlooked in the twiceexceptional literature"
- research on twice-exceptionality and how school counsellors can support twiceexceptional students is limited
- it is clear that twice-exceptional students can be taught effectively in various forms of *inclusive education* settings as long as they are able to access *appropriate strategies and programs*
- Universal Design for Learning, Individual Education Programs, curriculum differentiation, and various other accommodations are required for twice-exceptional students.



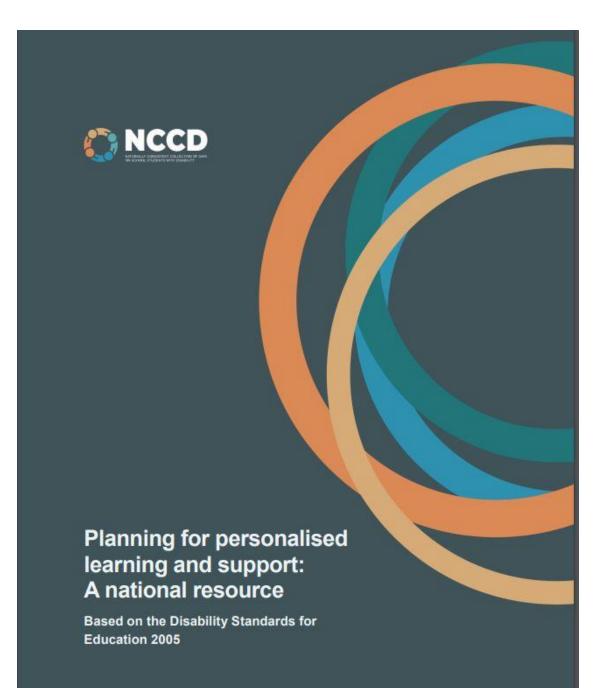
What can we do?



- Whole child profiling/comprehensive data collection
- Observations
- Consultations
- Collaboration
- Dual Differentiation
- Reflection
- Evaluation

Name	Passions	Family	Activities	Academics	Food & Drink	Physical	Skills	Other
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Name	Passions	Family	Activities	Academics	Food & Drink	Physical	Skills	Other
Adams, Toby	STL Cardinals Minecraft Skylanders	Lives w/ mom, dad, brothers Jordan (6) and Ben (4) and cat Mooshoo.	Baseball Chess Drawing	Loves Percy Jackson books Hates cursive	Peanut M&Ms Raw oysters!!	Asthma Broke arm last year	Knows a little coding	New to area – moved from Berkeley, CA Scared of dogs
Carter, Jaylen	Minecraft Sharks Martial Arts Jackie Chan	Lives with mom, sister Kayla (3) and dog Reggie.	Tae Kwon Do	Just started to like math last year	BBQ ++ Hates cantaloupe Snickers ++	Left-handed	Cooking omelets and brownies	Loves being outside and roller coasters
Christopher, Tim		Lives w/mom, at dad's every other wkend. ½ bro Kenny (2) at Dad & stepmom's.				Bee sting allergy		Homeschooled last year
Fong, Jenny	Earrings (just pierced this summer) Ross Lynch	Lives with mom, dad, Sister Lucy (15) and brother Michael (7)	Soccer Gymnastics Sticker collection	Loves to read but doesn't want to be seen carrying big books.	Peaches, grapes, cherries Sour cream & onion chips	Occasional eczema Just started wearing contacts	Braiding hair GREAT with special needs kids	Wants to be a pediatric oncologist when she grows up



1.Get to Know the Student

2. Consult

3. Plan and implement personalised learning and individualised support measures

4. Evaluate the impact of personalised support measures provided to the student

2020 Education Services Australia

Educational Dose

- Wai et al. (2010) developed the concept of educational dose.
- There is not one specific type of advanced learning experience that an intellectually talented student should receive.
- **Diverse, learning environments** for each child that structure the pace and depth so as to be responsive to their capacity for assimilating abstract/ complex/symbolic material.
- (Lubinski & Benbow, 2021)



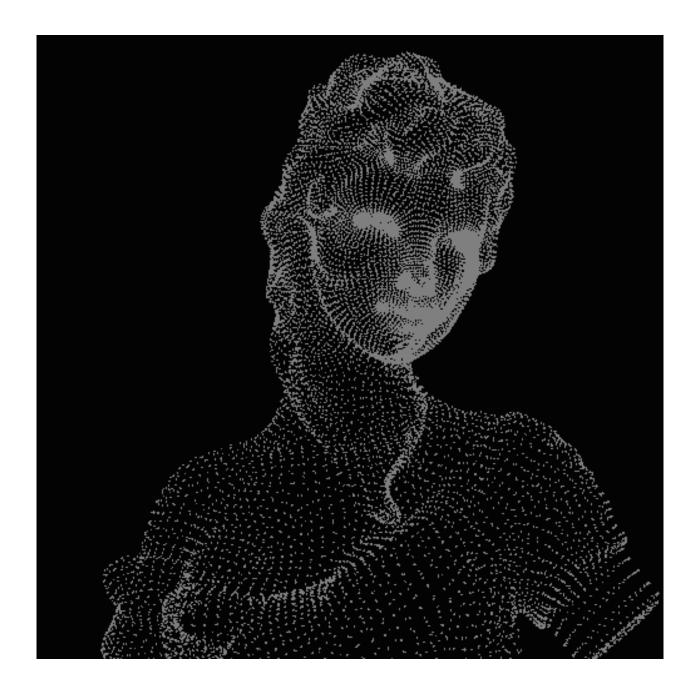


See the potential or "possibility"

Coaching and mentoring help to show "potential"

Create *environments* that provide

- Positive structure
- Highly visible expectations
- Avenues for student investigation
- Opportunities to connect to strengths interests and choices that empower students



What can we do?

teacher preparation,

the need for collaboration with parents and specialists, interventions, and teachers need to focus on developing

the need for a

continuum of

and teachers need to focus on developing strengths as much as adjusting and intervening for difficulties.

Inclusive and Supportive

Scaffolding for Difficulties	Scaffolding for Challenge
 Adjust amount of work 	
 Change lesson pace 	
•Find their high interest topics	
•Adjust content	
 Teach to learning preferences 	
 Adjust groupings/support 	
 Consult student/parents/ previous teacher 	

Teaching Gifted Kids in Today's Classroom p4-5 Winebrenner &Brulles 2012 Free Spirit MN

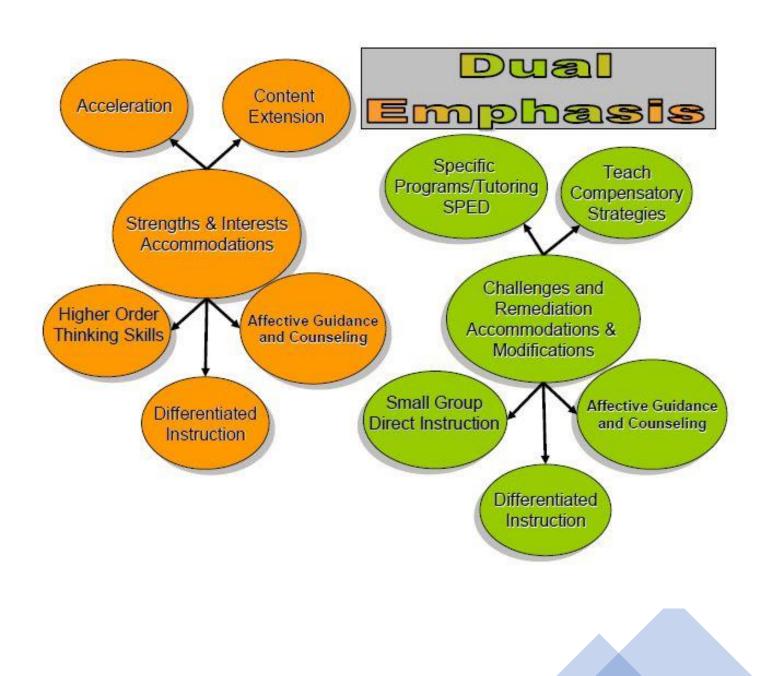


Gifted
in what ?
to what degree?
under what circumstances?

Know The Learner



Adapted from Tomlinson & Maker (1982)





Some Barriers

Most gifted students are in the inclusive classroom, however there is a lack of frequency of differentiation strategies to challenge gifted students. Western Australia: 90% of gifted students are in full time regular classes

(Taylor, 2016)

strategies to challenge are generally used less than once per week

(Taylor, 2016)

 (Tomlinson, 2004; Peters et al., 2014; Jarvis et al., 2020; Sailor et al., 2021; Westberg et al., 1993; Taylor, 2016; VanTassel-Baska et al., 2021)

• (Carrington & Elkins, 2002; Ainscow & Sandhill, 2010; Graham & Spandagou, 2011; Haug, 2017; Kinsella, 2020).

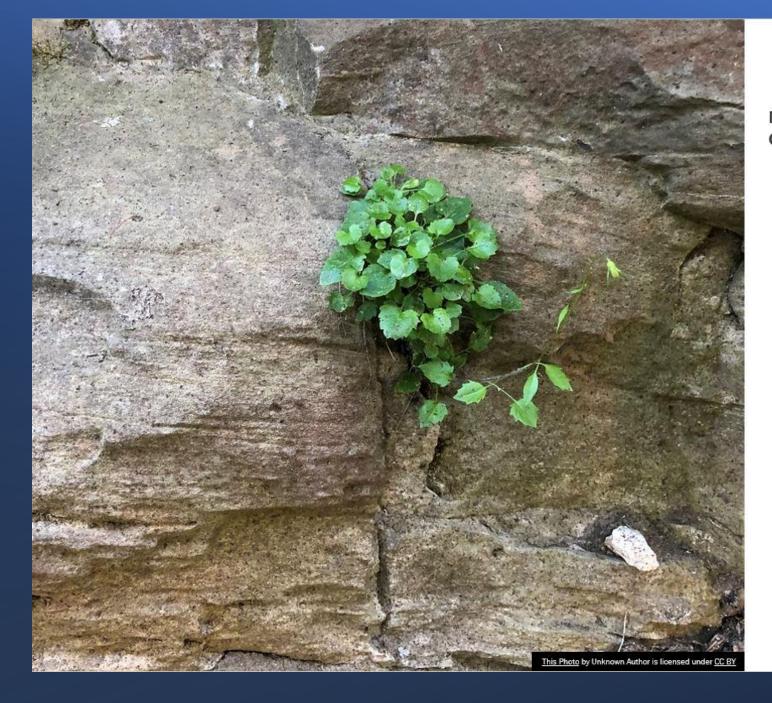
Inclusive gifted differentiation for students with twiceexceptionality

Differentiation practices are underused

- **Overall issue:** Lack of fidelity of implementation
- **Professional learning** must be **differentiated** for teachers
- Classroom Observation Scale (not teacher self-report surveys only)
- More focus, more practice and in dialogue with mentors, over time.

• VanTassel Baska et al., 2021)

Multi-Tiered System of Support (MTSS)



MULTI TIERED SYSTEMS OF SUPPORT (MTSS) GREW OUT OF RTI

- Problem Solving Process
- Leadership
- Data
- Evaluation
- Capacity Building
- Infrastructure
- Communication & Collaboration

•MTSS is a framework to ensure successful education outcomes for ALL students by using a data-based problem-solving process to provide and evaluate the effectiveness of multiple tiers of integrated academic, behavior, and social-emotional instruction/intervention supports matched to student need in alignment with educational standards.

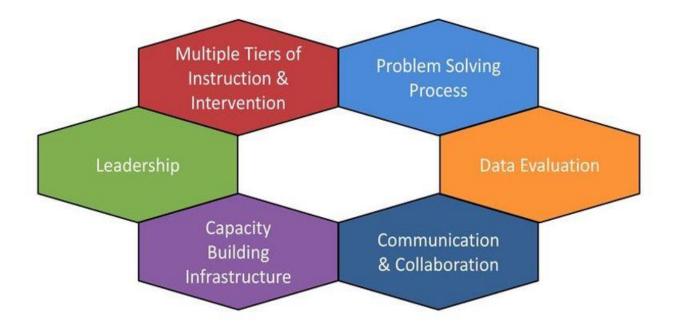
 Response to Instruction (RTI) came from Special Education. As schools began to combine both academic and behavior tiered models this evolved into Multi-Tiered System of Support





Texas Education Service Center Region11https://www.esc11.net/Page/8512

Critical Components of MTSS



<u>MTSS</u> is a framework to ensure successful education outcomes for ALL students by using a databased problem solving process to provide, and evaluate the effectiveness of multiple tiers of integrated academic, behavior, and social-emotional instruction/intervention supports matched to student need in alignment with educational standards.

MTSS At A Turning Point: After 20 Years— Are We Happy With The Data 2017

Few students in need of significant support to access grade-level content

Supplemental Intervention Some students in need of moderate support for success with grade-level content

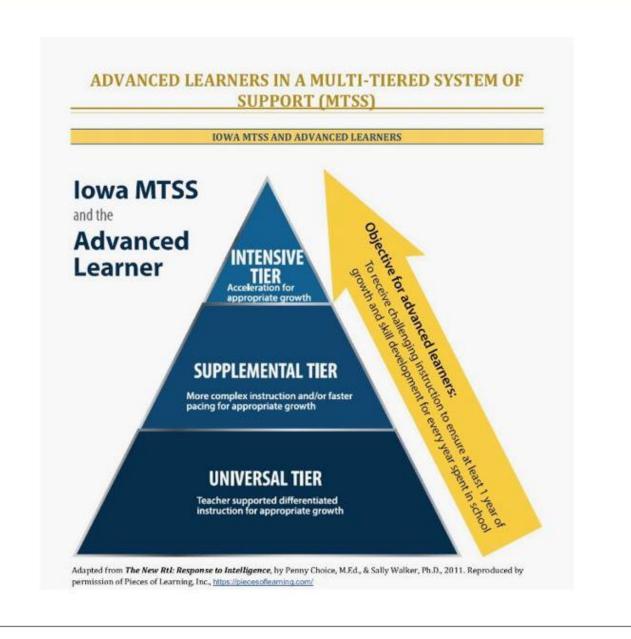
Core Instruction Differentiated for all students as they experience difficulty with new concepts

Z Z S

Intensive Extension Few students in need of ignificant challenge well beyond grade level

> Supplemental Extension Some students in need of challenge beyond grade level

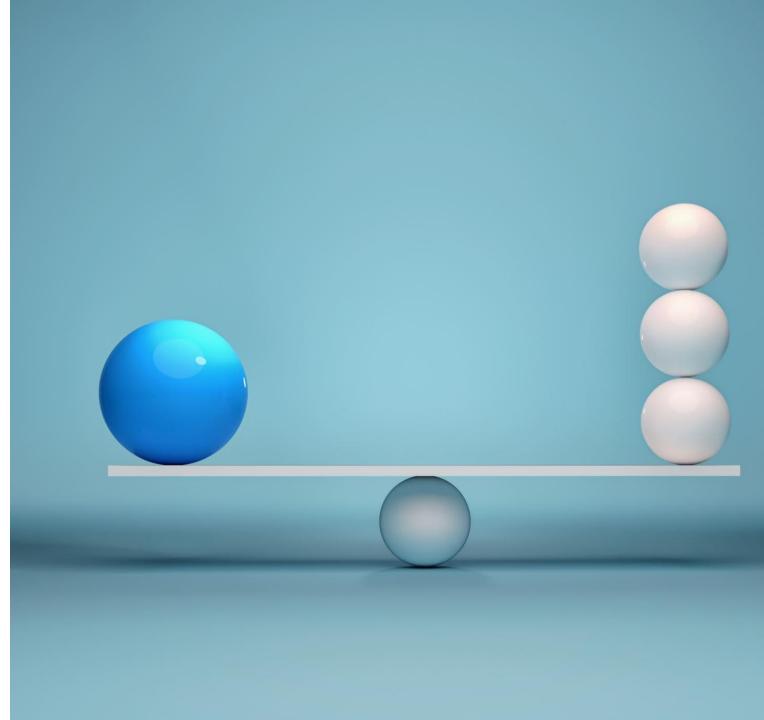
> > Core Instruction Differentiated for all students as they are ready for new concepts



Advanced Learners MTSS Guide

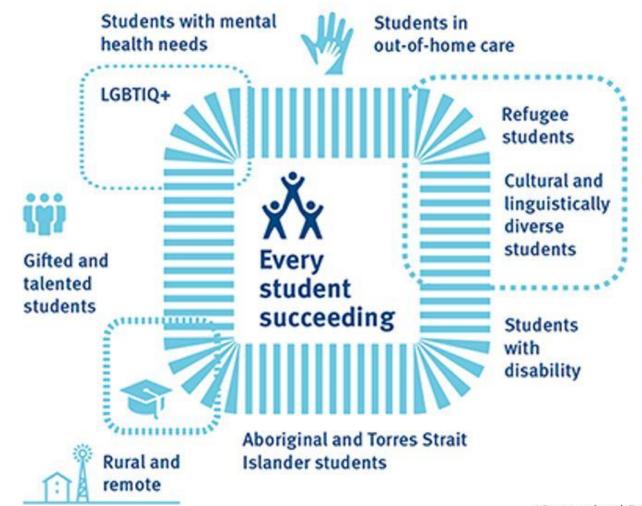
Principles

- Flexibility
- Multi-dimensional
- Early intervention
- Dynamic assessment
- Student voice
- Strength based
- Self-advocacy
- Compensation strategies

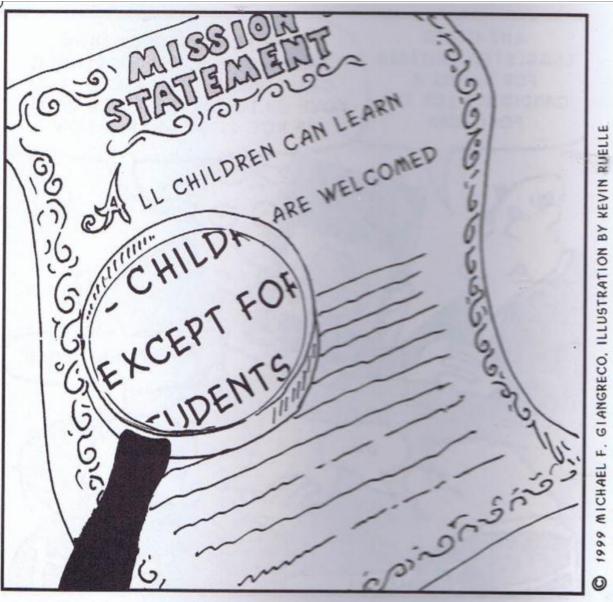




Do we know what we don't know?



(Queensland Department of Education, Inclusive Education Policy ESSA, 2020)



FRED WAS SHOCKED WHEN HE READ THE SMALL PRINT.

8707 949 10 PEYTRAL PUBLICATIONS, INC.



Inclusive Education in Queensland for students with twice-exceptionality

•the Melbourne Declaration on Education Goals for Young Australians (Goal 1)

•Gonski 2.0 Review (Recommendations 1, 6, and 10).

• Alice Springs (Mparntwe) Education Declaration in 2019, an educational framework for Australian students in the 21st century (Education Council, 2019).





Some state schools offer highly individualised programs for students with particular educational needs.

The department will continue to offer parents the choice of enrolling their child, who meets set criteria, in schools providing highly individualised programs including special schools and academies.



By moving towards a more inclusive education system we are seeking to strengthen the options parents and caregivers have to enrol their child at their local state school.



https://education.qld.gov.au/student/incl usive-education/Documents/policystatement-booklet.pdf

• ...the **inclusive language of "all students"** in many of these documents, provides a rationale or point of entry for school sectors to offer appropriate programming and services. (Jolly, 2021)

Consilience



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