

# Teach Students with Disabilities by Using Universal Design for Learning Approach

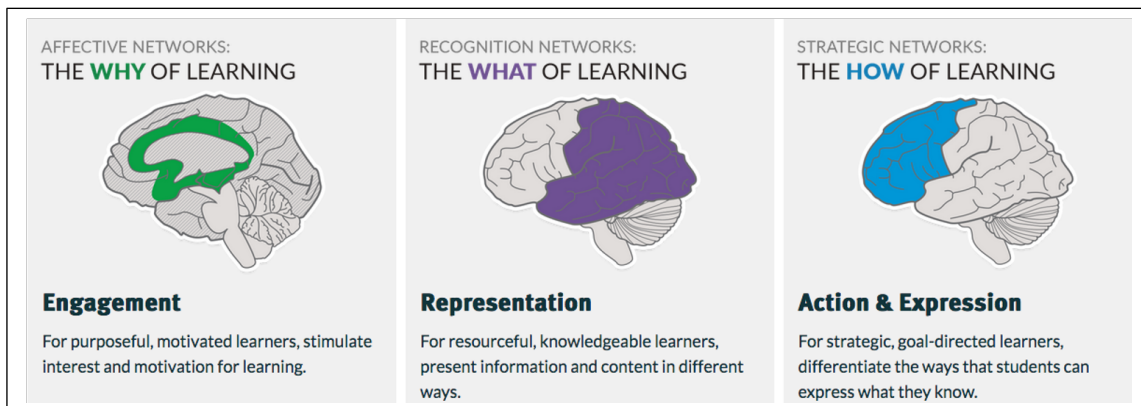
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- Who are the students with disabilities?  
Autism, Deaf-blindness, Deafness, Emotional Disturbance, Hearing Impairment, Intellectual Disability, Multiple Disabilities, Orthopedic Impairment, Other Health Impairment, Specific Learning Disability, Speech or Language Impairment, Traumatic Brain Injury, and Visual Impairment.
- Identity-First Language (IFL) vs. Person-First Language (PFL)
  - When using PFL, 1) a person with a disability, 2) a person without a disability, 3) a person who has a disability, and 4) a person who uses wheelchairs
  - When using IFL, 1) autistic person, 2) deaf person, and 3) blind person
- Definition of Universal Design for Learning (UDL): a proactive design of curricula (educational goals, methods, materials, and assessments) that enable ALL individuals to gain knowledge, skills, and enthusiasm for learning.
- Learning Style: seven perceptual modalities  
1) print, 2) aural, 3) interactive, 4) visual, 5) haptic, 6) kinesthetic, and 7) olfactory.
- Definition of Universal Design for Learning: UDL is a proactive design of curricula, including educational goals, methods, materials, and assessments that enable ALL individuals to gain knowledge, skills, and enthusiasm for learning.
- Principles of Universal Design for Learning

- 1) Provide multiple means of representation: giving learners various ways of acquiring information and knowledge.
- 2) Provide multiple means of action and expression: providing options for the ways learners may demonstrate knowledge and understanding.
- 3) Provide multiple means of engagement: tapping into learners' interests, offering appropriate challenges, and increasing motivation.

- Universal Design for Learning



- Implementing Universal Design for Learning in Music

- 1) Multiple means of representation can include written music, music videos, and teacher demonstrations.
- 2) Multiple means of action and expression can include singing, clapping, and playing an instrument.
- 3) Multiple means of engagement can include creating original rhythms, imitating rhythms, and practicing alone or together.

- Four steps to implement accessible and flexible music lessons using UDL

- 1) Establish positive learning environments.

- 2) Gather information.
  - 3) Plan and Implement strategies.
  - 4) Assess students' progress and the effectiveness of instruction.
- Resources
    - 1) National Instructional Materials Accessibility Standard
    - 2) National Library Service (NLS) for the Blind and Print Disabled

**Disability is a characteristic of human diversity.**

## Reference

Abril, C. R., & Gault, B. M. (2016). Chapter 14 Applying the Principles of Universal Design for Learning in General Music In *Teaching general music: approaches, issues, and viewpoints*. Oxford University Press.

Adamek, M. S., & Darrow, A. A. (2018). *Music in Special Education (Third)*. American Music Therapy Association.

*Any Anxiety Disorder*. National Institute of Mental Health. (n.d.).  
<https://www.nimh.nih.gov/health/statistics/any-anxiety-disorder>

*Autism Spectrum Disorder (ASD)*. National Institute of Mental Health. (2023, April).  
<https://www.nimh.nih.gov/health/statistics/autism-spectrum-disorder-asd>

Burgstahler, S. (2020). *Universal design of instruction (UDI): Definition, principles, guidelines, and examples*. Universal Design of Instruction (UDI): Definition, Principles, Guidelines, and Examples | DO-IT.  
<https://www.washington.edu/doit/universal-design-instruction-udi-definition-principles-guidelines-and-examples>

Burgstahler, S. (2021). *Universal design: Process, principles, and applications*. Universal Design: Process, Principles, and Applications | DO-IT.  
<https://www.washington.edu/doit/universal-design-process-principles-and-applications>

- CAST (2018). Universal Design for Learning Guidelines version 2.2. Retrieved from <http://udlguidelines.cast.org>
- CAST Until learning has no limits. <https://www.cast.org/>
- Cogdill, S. H. (2015). Applying Research in Motivation and Learning to Music Education: What the Experts Say. *Update: The Applications of Research in Music Education (Online)*, 33(2), 49-57.  
<http://echo.louisville.edu/login?url=https://www.proquest.com/scholarly-journals/applying-research-motivation-learning-music/docview/1703525108/se-2>
- Cremades-Andreu, R., & Lage-Gómez, C. (2024). Different forms of students' motivation and musical creativity in secondary school. *British Journal of Music Education*, 41(1), 20-30. doi:10.1017/S0265051723000232
- Darrow, A. (2010). Music Education for All: Employing the Principles of Universal Design to Educational Practice. *General Music Today*, 24(1), 43-45. <http://doi-org.echo.louisville.edu/10.1177/1048371310376901>
- Dobbs, T. (2017). Equity in Music Education: Being "Schooled" on Disability. *Music Educators Journal*, 104(2), 51-53. <https://doi.org/10.1177/0027432117732313>
- Gerrity, K. W., Hourigan, R. M., & Horton, P. W. (2013). Conditions That Facilitate Music Learning Among Students With Special Needs: A Mixed-Methods Inquiry. *Journal of Research in Music Education*, 61(2), 144.  
<http://echo.louisville.edu/login?url=https://www.proquest.com/scholarly-journals/conditions-that-facilitate-music-learning-among/docview/1368996487/se-2>
- Glass, D., Meyer, A., & Rose, D. (2013). Universal design for learning and the arts. *Harvard Educational Review*, 83(1), 98-119.
- Hess, J. (2023). The Dangers of Predictable Learning Variability: Challenging the Imagining of Disability in the Universal Design for Learning in Music Education. *Council for Research in Music Education Bulletin - Council for Research in Music Education*, (236), 21.  
<http://echo.louisville.edu/login?url=https://www.proquest.com/scholarly-journals/dangers-predictable-learning-variability/docview/2895771588/se-2>
- Higbee, J. L. (2003). *Curriculum transformation and disability: Implementing Universal Design in higher education*. University of Minnesota: Center for Research on Developmental Education and Urban Literacy.
- Jellison, J. A. (2015). Chapter 4 Now What? In *Including Everyone: Creating Music Classrooms Where All Children Learn*. essay, Oxford University Press.

- Mansell, W. (2023). *Perceptions Of Applying Universal Design for Learning to Quaver's Marvelous World of Music to Increase Engagement of Students with Autism*.  
<https://digitalcommons.liberty.edu/cgi/viewcontent.cgi?article=5768&context=doctoral>
- McCord, K. (2013). Universal Design for Learning: Special Educators Integrating the Orff Approach into Their Teaching: An Interdisciplinary Journal of Music Therapy. *Approaches: Music Therapy & Special Music Education = Mousikotherapeia & Eidike Mousike Paidagogike*, 5(2), 188-193.  
<http://echo.louisville.edu/login?url=https://www.proquest.com/scholarly-journals/universal-design-learning-special-educators/docview/1586017244/se-2>
- McCord, K., Gruben, A., & Rathgeber, J. (2014). Accessing music: Enhancing student learning in the general music classroom using UDL. Van Nuys, CA: Alfred Music.
- McCord, K., & Watts, E. H. (2006). Collaboration and Access for Our Children: Music Educators and Special Educators Together. *Music Educators Journal*, 92(4), 26-33.  
<http://echo.louisville.edu/login?url=https://www.proquest.com/scholarly-journals/collaboration-access-our-children-music-educators/docview/197188466/se-2>
- [Music Service and Materials - National Library Service for the Blind and Print Disabled Library of Congress \(NLS\)](https://www.loc.gov/nls/services-and-resources/music-service-and-materials/). Library of Congress. (2024).  
<https://www.loc.gov/nls/services-and-resources/music-service-and-materials/>
- [National Instructional Materials Access Center](https://www.nimac.us/). (n.d.). <https://www.nimac.us/>
- Lysaker, M. (2002) INCLUSIVE AND ACCESSIBLE: How to create a string program where all feel welcome. *Strings*, 308, 53-55
- Quaglia, B. W. (2015). Planning for Student Variability: Universal Design for Learning in the Music Theory Classroom and Curriculum. *Music Theory Online*, 21(1)  
<http://echo.louisville.edu/login?url=https://www.proquest.com/scholarly-journals/planning-student-variability-universal-design/docview/1669445428/se-2>
- Ralabate, P. (2024). *Universal Design for Learning: Meeting the Needs of All Students*. Reading Rockets: Launching Young Readers.  
<https://www.readingrockets.org/topics/assistive-technology/articles/universal-design-learning-meeting-needs-all-students#udl-in-action>
- Shultz, S. (2023, April 6). *Universal Design for Learning: An Introduction*. National Education Association. <https://www.nea.org/professional-excellence/student-engagement/tools-tips/universal-design-learning-introduction>

Survey results. NSCH 2022: Prevalence of ADD or ADHD, Nationwide. (n.d.).  
<https://www.childhealthdata.org/browse/survey/results?q=10167&r=1>

Understood.org: What is Universal Design for Learning (UDL)?  
<https://www.understood.org/en/articles/universal-design-for-learning-what-it-is-and-how-it-works>

Yinger, O. S., Vasil, M., Robinson, A. S., Jaspersen, M., Eisenbaum, E., & Mullis, L. C. (2023). Universal Design for Learning in a Music Camp: Perspectives and Musical Self-Efficacy of Children With Disabilities. *Update: Applications of Research in Music Education*, 42(1), 33-42. <https://doi-org.echo.louisville.edu/10.1177/87551233221118905>

Zhang, L. (2020). *Design, Implementation, and Measurement of Personalized Learning Through the Lens of Universal Design for Learning* (Order No. 28029717). Available from ProQuest Dissertations & Theses Global. (2446640463).  
<http://echo.louisville.edu/login?url=https://www.proquest.com/dissertations-theses/design-implementation-measurement-personalized/docview/2446640463/se-2>