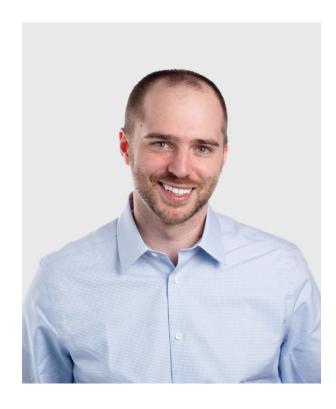
A Research-Based Design Framework for Equity, Inclusion and Student Success



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INTRODUCTIONS



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Land Acknowledgement

I work and live on the ancestral lands of the Kansa, Kickapoo, and Osage. These peoples continue to work and live here in the Midwest. Our conversations today and my (M. Ralph) work with UDL includes connecting the framework to instructional shifts that make space for Indigenous ways of knowing and being in the classroom. I recently learned from Dr. Zoe Todd's helpful thread about 'reconciling' western science & Indigenous legal orders.

"[A]s long as 'knowledge' in a western paradigm is divorced from being/doing/ethics, when we try to discuss Indigenous sciences/knowing/being and western 'science' we are talking across a gulf" ~ Zoe Todd



Dr. Todd's Twitter Thread

POSITIONALITIES

Think About Our Own Positionality

"Those with power are least aware - or least willing to acknowledge its existence."

Tesha Fritzgerald,

Author: "Antiracism and Universal Design for Learning"

Recognizing Our Own Positionality

History / ancestral heritage

Neighborhood I grew up in

Family

Neighborhood I live in now

Religion

Physical dis/abilities

Age

Values

Gender

Language

Education

Sexual orientation

Profession

Ethnicity

Culture / cultural traditions

Economic class

Nation / region

THE UDL FRAMEWORK MEETS SPACE DESIGN APPLICATIONS

A Quick Primer on UDL

Universal Design for Learning (UDL) is a design framework used to improve teaching and learning for *all*.



Created by Phonlaphat Thongsriphong



Variability is the norm.
Human variability exists both among individuals and within them.





Barriers exist in the environment and the experience, not in the learner.



Created by Muhammad Naufal Subhiansyah

Provide multiple means of

Engagement

Affective Networks
The "WHY" of Learning

Provide multiple means of

Representation

Recognition Networks The "WHAT" of Learning Provide multiple means of

Action & Expression

Strategic Networks
The "HOW" of Learning

Н

Provide options for

Recruiting Interest on

- Optimize individual choice and autonomy (7.1)
- . Optimize relevance, value, and authenticity (7.2)
- Minimize threats and distractions (7.3)

Provide options for

Perception o

- . Offer ways of customizing the display of information (1.1)
- . Offer alternatives for auditory information (1.2)
- Offer alternatives for visual information (1.3)

Provide options for

Physical Action (4)

- . Vary the methods for response and navigation (4.1)
- Optimize access to tools and assistive technologies (4.2)

Provide options for

Sustaining Effort & Persistence ®

- . Heighten salience of goals and objectives (8.1)
- Vary demands and resources to optimize challenge (8.2)
- . Foster collaboration and community (8.3)
- Increase mastery-oriented feedback (8.4)

Provide options for

Language & Symbols 🗵

- . Clarify vocabulary and symbols (2.1)
- . Clarify syntax and structure (2.2)
- Support decoding of text, mathematical notation, and symbols (2.3)
- · Promote understanding across languages (2.4)
- . Illustrate through multiple media (2.5)

Provide options for

Expression & Communication (5)

- . Use multiple media for communication (5.1)
- Use multiple tools for construction and composition (5.2)
- Build fluencies with graduated levels of support for practice and performance (5.3)

Provide options for

Self Regulation ®

- Promote expectations and beliefs that optimize motivation (9.1)
- · Facilitate personal coping skills and strategies (9.2)
- · Develop self-assessment and reflection (9.3)

Provide options for

Comprehension (3)

- Activate or supply background knowledge (3.1)
- Highlight patterns, critical features, big ideas, and relationships (3.2)
- · Guide information processing and visualization (3.3)
- · Maximize transfer and generalization (3.4)

Provide options for

Executive Functions (6)

- Guide appropriate goal-setting (6.1)
- Support planning and strategy development (6.2)
- Facilitate managing information and resources (6.3)
- Enhance capacity for monitoring progress (6.4)

Internalize

The UDL Deck of Spaces ™

A set of 67 idea cards based on the UDL scientific framework about learning, learning access, inclusion, and diversity.



LINKING THE FRAMEOWRK TO THE CARDS

Provide options for Recruiting Interest (7) • Optimize individual choice and autonomy (7.1) Optimize relevance, value, and authenticity (Minimize threats and distractions (7.3)

Provide multiple means of **Engagement** →

Affective Networks
The "WHY" of learning

Provide multiple means of **Representation →**

Recognition Networks
The "WHAT" of learning

Provide multiple means of

Action & Expression 3

Strategic Networks The "HOW" of learning

Provide options for

Recruiting Interest (7)

- Optimize individual choice and autonomy (7.1) >
- Optimize relevance, value, and authenticity (7.2) >
- Minimize threats and distractions (7.3) >

Provide options for

Perception (1)

- Offer ways of customizing the display of information (1.1) >
- Offer alternatives for auditory information (1.2)
- Offer alternatives for visual information (1.3) >

Provide options for

Physical Action (4)

- Vary the methods for response and navigation (4.1) >
- Optimize access to tools and assistive technologies (42) >

Provide options for

Sustaining Effort & Persistence (8)

- Heighten salience of goals and objectives (8.1)
- Vary demands and resource to optimize challenge (8.2) >
- Foster collaboration and community (8.3) >
- Increase mastery-ordented feedback (8.4) >

Provide options for

Language & Symbols (2) •

- Clarify vocabulary and symbols (2.1) >
- Clarify syntax and structure (2.2) >
- Support decoding of text, mathematical notation, and symbols (2.3) >
- Promote understanding across languages (2.4)
- Illustrate through multiple media (2.5) >

Provide options for

Expression & Communication (5)

- Use multiple media for communication (5.1) >
- Use multiple tools for construction and composition (5.2) ➤
- Build fluencies with graduated levels of support for practice and performance (5.3) >

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- Guide appropriate goal-setting (6.1) >
- Support planning and strategy development (
 6.2) >
- Facilitate managing information and resources (6.3) ➤
- Enhance capacity for monitoring progress (6.4)

Expert Learners who are...

Purposeful & Motivated

Resourceful & Knowledgeable

Strategic & Goal-Directed

DIVERSITY, EQUITY, INCLUSION & BELONGING (DEIB) OVERLAY WITH UDL FRAMEWORK

1. Dis/Ability

- Physical ability variance
- Cognitive ability variance
- Neurological variance
- Sensory ability variances

2. Trauma Informed Practices

- Physical safety
- Psychological safety

3. Social, Emotional & Behavioral Development

- Interpersonal awareness
- Emotional regulation
- Open-mindedness

4. Ethnic and Racial Identity

- BIPOC racism
- Indigenous erasure
- Colonial oppression

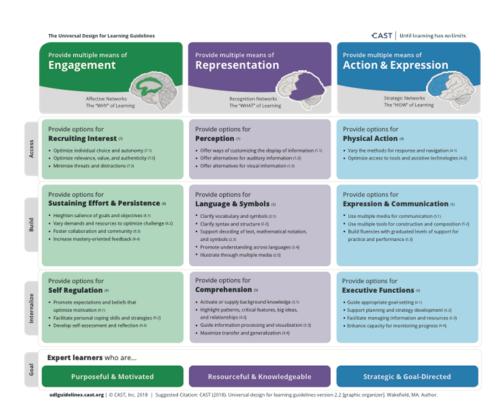
5. Gender & Sexuality

- Gender identity & expression
- Sexual orientation
- Transgender identity

6. Other identity representations

- Linguistic identities
- Religion identities
- Nationality identities
- Socio-economic background

Universal Design Beyond the Classroom



Universal Design for Learning Guidelines



UDL School Implementation and Certification Criteria









Addresses The School As a System



School Culture and Environment



Teaching and Learning



Leadership and Management



Professional Learning

The UDL-SICC Provides:



- A roadmap for systemic and systematic schoolwide UDL implementation.
- A shared language and understanding of how a UDL school functions to promote equity, inclusion and expert learning.
- School teams with the tools to assess, plan, design, and develop successful inclusive, equitable learning environments.

UDL School Implementation and Certification Criteria



School Culture and Environment

Element 1: The school community designs a culture that supports inclusion and equity.

Element 2: The school community designs a culture that supports expert learning.

Element 3: The school community communicates in ways that reflect a commitment to UDL.

Element 4: The school community designs school spaces to support variability.

EXERCISE #1

- 1. Organize into groups of 2-3.
- 2. Select a vignette card to establish your UDL challenge.
- 3. Review the idea cards & select your **top 8 ideas** to help address Mr. Bello's challenge.
- 4. Prepare to share out your top 2 space design strategies.



Vignette #8

Mr. Bello teaches in an elementary STEAM classroom. He encourages his students to think like a scientist, which his district's standards promote. He wants to do more hands-on problem-solving and engage authentic audiences, such as community experts.

How might he design a learning environment to engage in hands-on activities with community experts in his classroom?

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EXERCISE #2

Organize into groups of 4-6 players

Challenge Cards



Play the Game: "Schools Against Inhumanity"

- 1. Deal each player 6 cards, text face down. Each player keeps the text side of their card hidden.
- 2. Choose 1 player to start as the Challenger. They set their hand aside and do not play cards this round.
- 3. The Challenger looks through the Challenge Prompts and selects one to read to the group.
- Each player selects one of their Idea Cards that best responds to the Challenge and places it in the middle of the table text face down.
- 5. The Challenger collects, mixes up, and reads aloud the heading of each played card. They then choose the one they think best addresses the challenge and explains why.
- 6. The player whose Idea Card remains wins the Challenge Prompt.
- 7. Each player draws one card to maintain a hand of 6 Idea Cards.
- 8. The role of Challenger rotates, and a new round starts.

Call to Action!

Who are you going to talk to?

When are you going to see them?

Write down the question you're going to ask them.

How will you enter this conversation?

Resources:

Sue Hardin - Sue. Hardin@UDL-IRN.org

Michael Ralph, Michael.Ralph@Multi.studio

David Reid, David.Reid@Multi.studio

Purchase the Deck of Spaces: https://publishing.cast.org/

UDL School Implementation & Certification Criteria https://www.learningdesigned.org/udl-sicc-introduction

deck of s p a c e s™

the idea deck for creating spaces aligned with **Universal Design for Learning**

