



Universal Design for Learning in Online Courses



What is Universal Design?

What is Universal Design for Learning (UDL)?

Ways to Apply UDL

Group Activity

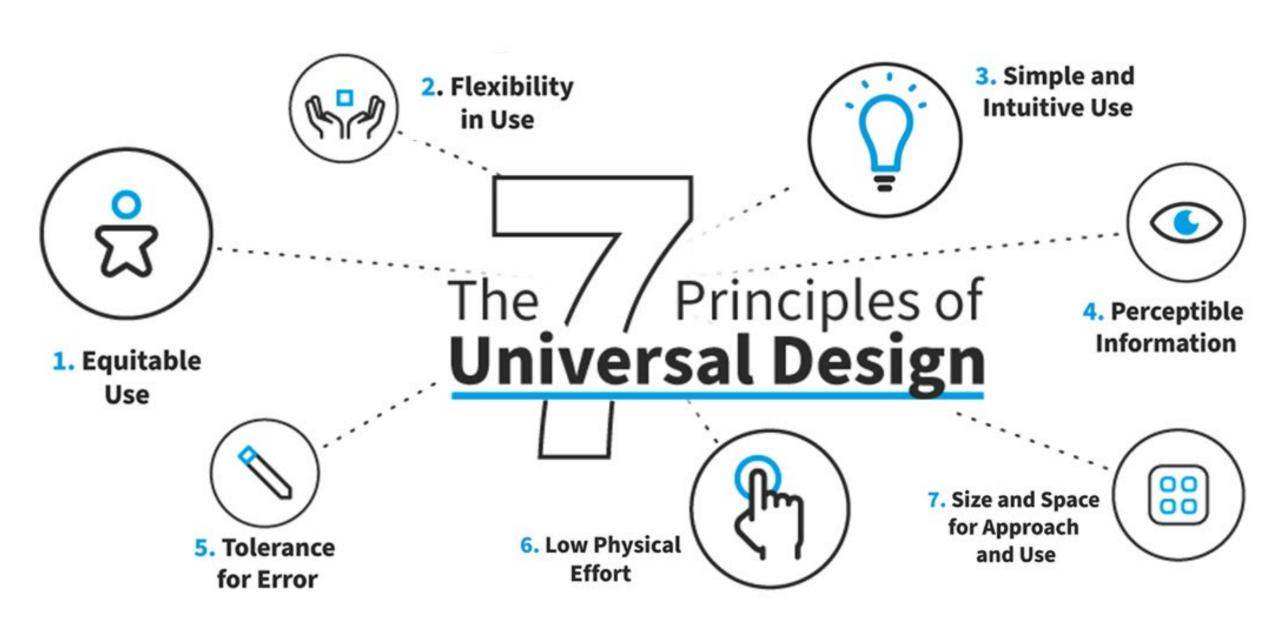
Additional Resources to Learn More

Questions

What is your favorite shoe?

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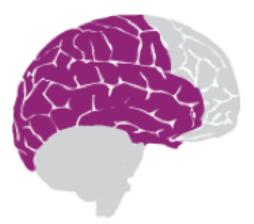


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Universal Design for Learning

Recognition Networks

The "what" of learning



Strategic Networks

The "how" of learning



Planning and performing tasks.

How we organize and express our

ideas. Writing an essay or solving

Affective Networks

The "why" of learning



How we gather facts and categorize what we see, hear, and read. Identifying letters, words, or an author's style are recognition tasks.

Differentiate the ways



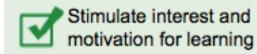
Present information and content in different ways

More ways to provide Multiple Means of Representation



Differentiate the ways that students can express what they know

More ways to provide Multiple Means of Action and Expression How learners get engaged and stay motivated. How they are challenged, excited, or interested. These are affective dimensions.



More ways to provide Multiple Means of Engagement

Think about how information is presented to learners.

Does the information provide options that help all learners:

- reach higher levels of comprehension and understanding?
- understand the symbols and expressions?
- perceive what needs to be learned?

Provide multiple means of Representation **Recognition Networks** The "WHAT" of learning Provide options for Perception (1) O Access • Offer ways of customizing the display of information (11)> Offer alternatives for auditory information (1.2) > Offer alternatives for visual information (13) > Provide options for Language & Symbols (2) 🔾 Clarify vocabulary and symbols (2.1) > Build 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 Comprehension (3) 🔾 Internalize 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) >

Expert Learners who are ...

Goal

Resourceful & Knowledgeable

Think about how learners are expected to act strategically & express themselves.

Does the activity provide options that help all learners:

- act strategically?
- express themselves fluently?
- physically respond?

Provide multiple means of Action & Expression 会 Strategic Networks The "HOW" of learning Provide options for Physical Action (4) • Access • Vary the methods for response and navigation (4.1) > Optimize access to tools and assistive technologies (4.2)> Provide options for Expression & Communication (5) 📀 Use multiple media for communication (5.1) > Build • 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 Executive Functions (6) Internalize • 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... Goal Strategic & Goal-Directed

Think about how learners will engage with the lesson.

Does the lesson provide options that can help all learners:

- regulate their own learning?
- sustain effort and motivation?
- engage and interest all learners?

Provide multiple means of Engagement 🗲 Affective Networks The "WHY" of learning Provide options for Recruiting Interest (7) Access Optimize individual choice and autonomy (7.1) > • Optimize relevance, value, and authenticity (7.2) > Minimize threats and distractions (7.3) > Provide options for Sustaining Effort & Persistence (8) 🕥 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 Self Regulation (9) 🕤 Internalize Promote expectations and beliefs that optimize motivation (9.1) > • Facilitate personal coping skills and strategies (9.2) > Develop self-assessment and reflection (9.3) > Expert Learners who are ... Goal **Purposeful & Motivated**



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- <u>Equal Access: Universal Design of Instruction</u> (video)



