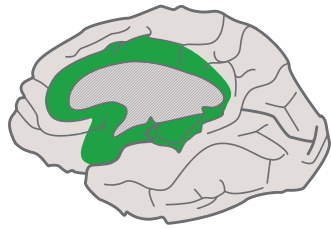


Universal Design for Learning Guidelines



Provide Multiple Means of Engagement

Purposeful, motivated learners

Provide options for self-regulation

- + Promote expectations and beliefs that optimize motivation
- + Facilitate personal coping skills and strategies
- + Develop self-assessment and reflection

Provide options for sustaining effort and persistence

- + Heighten salience of goals and objectives
- + Vary demands and resources to optimize challenge
- + Foster collaboration and community
- + Increase mastery-oriented feedback

Provide options for recruiting interest

- + Optimize individual choice and autonomy
- + Optimize relevance, value, and authenticity
- + Minimize threats and distractions



Provide Multiple Means of Representation

Resourceful, knowledgeable learners

Provide options for comprehension

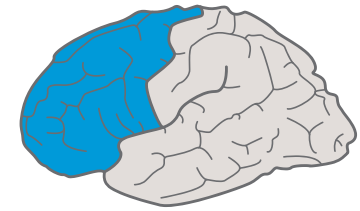
- + Activate or supply background knowledge
- + Highlight patterns, critical features, big ideas, and relationships
- + Guide information processing, visualization, and manipulation
- + Maximize transfer and generalization

Provide options for language, mathematical expressions, and symbols

- + Clarify vocabulary and symbols
- + Clarify syntax and structure
- + Support decoding of text, mathematical notation, and symbols
- + Promote understanding across languages
- + Illustrate through multiple media

Provide options for perception

- + Offer ways of customizing the display of information
- + Offer alternatives for auditory information
- + Offer alternatives for visual information



Provide Multiple Means of Action & Expression

Strategic, goal-directed learners

Provide options for executive functions

- + Guide appropriate goal-setting
- + Support planning and strategy development
- + Enhance capacity for monitoring progress

Provide options for expression and communication

- + Use multiple media for communication
- + Use multiple tools for construction and composition
- + Build fluencies with graduated levels of support for practice and performance

Provide options for physical action

- + Vary the methods for response and navigation
- + Optimize access to tools and assistive technologies

EXPERT LEARNERS ARE...

PURPOSEFUL & MOTIVATED LEARNERS

- + Are eager for new learning and are motivated by the mastery of learning itself
- + Are goal-directed in their learning
- + Know how to set challenging learning goals for themselves
- + Know how to sustain the effort and resilience that reaching those goals will require
- + Monitor and regulate emotional reactions that would be impediments or distractions to their successful learning

RESOURCEFUL & KNOWLEDGEABLE LEARNERS

- + Bring considerable prior knowledge to new learning
- + Activate that prior knowledge to identify, organize, prioritize, and assimilate new information
- + Recognize the tools and resources that would help them find, structure and remember new information
- + Know how to transform new information into meaningful and useable knowledge

STRATEGIC & GOAL-DIRECTED LEARNERS

- + Formulate plans for learning
- + Devised effective strategies and tactics to optimize learning
- + Organize resources and tools to facilitate learning
- + Monitor their progress
- + Recognize their own strengths and weaknesses as learners
- + Abandon plans and strategies that are ineffective