FLORIDA ATLANTIC UNIVERSITY.

8 Recommendations from the Science of Learning

- 1. Engage all the senses.
- 2. Engage the mind, heart (emotions), and body (movement).
- 3. Foster well-being for the body & mind with sleep, rest, nutrition, hydration, & exercise.
- 4. Support learners in managing stress, threats, oppression, & fear. Don't add to them.
- 5. Foster intrinsic motivation through meaning, relevance, rigor, and by celebrating progress.
- 6. Encourage focused attention (mindfulness not multitasking) in short spurts with lots of breaks.
- 7. Encourage doing and reflecting in an ongoing cycle. Praxis.
- 8. Cultivate positive emotions and social connections.

Source: Blog Post by Keith Edwards, 8 Tips from Neuroscience for Teachers and Learners of All Kinds

References:

Bresciani Ludvik, M. J. (2016). The neuroscience of learning and development: Enhancing creativity, compassion, critical thinking, and peace in higher education. Sterling, Virginia: Stylus.

Doyle, T., & Zakrajsek, T. (2018). The new science of learning: How to learn in harmony with your brain (Second edition. ed.). Sterling, VA: Stylus.

Jensen, E. (2008). Brain-based learning: The new paradigm of teaching (2nd ed.). Thousand Oaks, CA.: Corwin Press.

Medina, J. (2014). Brain rules (updated and expanded): 12 principles for surviving and thriving at work, home, and school. Seattle, WA: Pear Press.

Siegel, D. J. (2010). Mindsight: The new science of personal transformation (1st ed.). New York: Bantam Books.

Zadina, J. N. (2014). Multiple pathways to the student brain: Energizing and enhancing instruction (First edition. ed.). San Francisco, CA: Jossey-Bass.