

Insider Tips to Learn Effectively - resources

References collected by Mary Jacob, Learning & Teaching Enhancement Unit, 9/8/2023

Core concepts

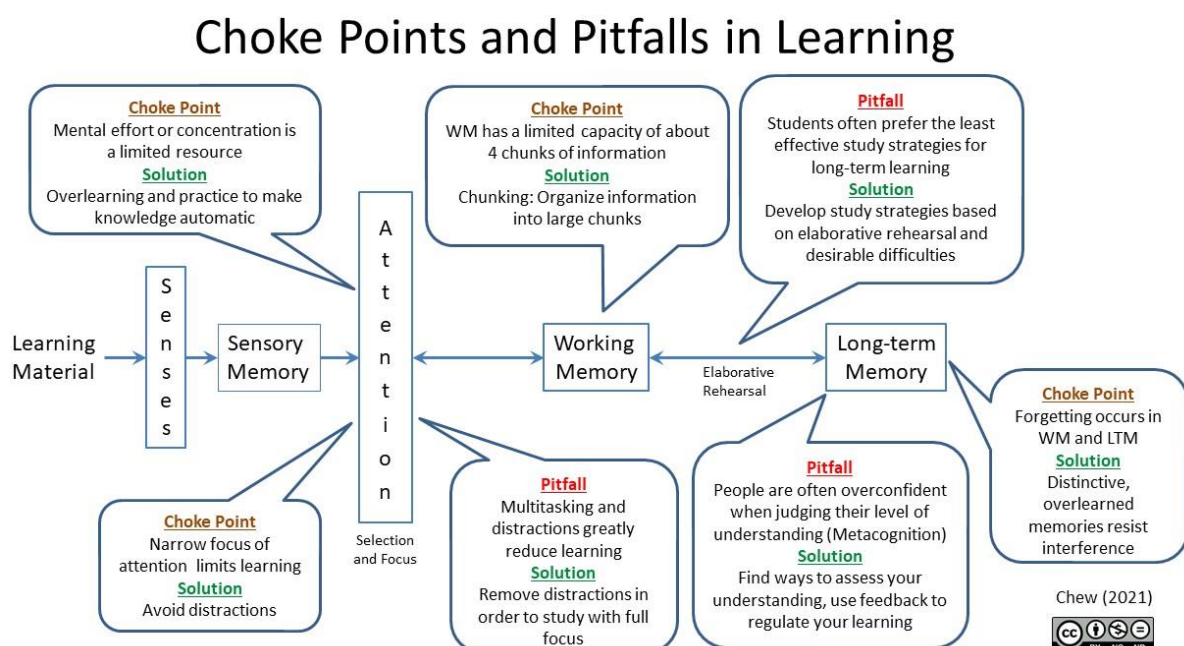
- Growth mindset formula for success
 - Right strategy, guidance, and effort
- Practice
 - Recall information (retrieval is better than recognition practice)
 - Space it out (defeat the forgetting curve)
 - Mix it up (interleaved is better than blocked practice)
 - Flash cards and self-quizzing help you remember, study with a partner
- What lecturers want you to do:
 - Come to class and pay attention
 - Participate and contribute
 - Think critically about the material
 - Prepare before class, revise afterwards
- Turn passive into active learning using ACTs (active cognitive tasks)
 - Do a thinking task in class, while watching videos, or reading

Where to find strategies

- Agarwal, P. [Make flashcards more powerful with these 3 tips](#), *Retrieval Practice*.
- Learning Scientists, [Six Strategies for Effective Learning](#).

Choke points and pitfalls

- Chew, S. L. (2021). [An Advance Organizer for Student Learning: Choke Points and Pitfalls in Studying](#). *Canadian Psychology/Psychologie canadienne*. Advance online publication.



References and further reading

Here are the sources I used and other useful readings.

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- Brown, Peter C., Henry L. Roediger, and Mark A. McDaniel. (2014) *Make It Stick: the Science of Successful Learning*. Cambridge, Massachusetts: The Belknap Press of Harvard University Press, 2014. (Available through [Primo](#))
- Center for Educational Innovation (2018). [What is Active Learning?](#) (2-minute video), University of Minnesota
- Chickering, A. W., Gamson, Z. F., Poulsen, S. J., & Johnson Foundation. (1987). [Seven principles for good practice in undergraduate education](#). Racine, WI: Johnson Foundation.
- Dunlosky, J. (2013). [Improving students' learning with effective learning techniques: promising directions from cognitive and educational psychology](#). *Psychological Science in the Public Interest*, 14, 1, 4-58.
- Dweck, C. S. (2012). *Mindset*. London: Constable & Robinson. ([Primo](#))
- Ebbinghaus, H. (1913). [Memory: A contribution to experimental psychology](#); translated by Henry A. Ruger and Clara E. Bussenius. Teachers College, Columbia University.
- Evans, G. (2022). [How I Take Notes \(at Law School\) - The SOAR Framework](#) (9-minute video, includes both Cornell and SOAR method)
- Goodnotes. [Cornell Note-taking – the best way to take notes, explained](#), *Medium.com*
- Kornell (2009). [Optimising learning using flashcards: Spacing is more effective than cramming](#). *Applied Cognitive Psychology* 23: 1297-1317.
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- Roediger, H. L., Putnam, A. L., & Smith, M. A. (2011). [Ten Benefits of Testing and Their Applications to Educational Practice](#). *The Psychology of Learning and Motivation*, 55, 1-36.
- Rohrer, D. (2012). [Interleaving helps students distinguish among similar concepts](#). *Educational Psychology Review*, 24, 355-367.
- Vincent, D. (2019). [Learning to learn: Flash cards, spaced repetition and example sentences](#), *World of Better Learning*, Cambridge University Press & Assessment