Learning How To Learn !! Learning How To Learning to help you master Powerful Mental took to help you master McMaster Uni and Uni of California San Drego [Barbara Oakley] tough subjects Introduction to Focused and Diffuse Modes @ Week 1: What is Learning? Diffuse Mod Focused Mode 1907 19 > Opening, our mind to grasp new things > Les Getting in deep position to grasp a particular thing * Both things are necessary Using the focused and Diffuse Modes (Or. a Little . When learning something new, our mind needs Dali will do & you Ma to go back and forth to be tween these two modes

Our brain and neural connections are dynamic. There are so many links formed and so many links out off in one single day that we sleep with a brain and wake up with another When we learn something new connections are formed and there are still many things at unknown about how brain works. let the learny things

Procastination:

Reason: when are doing something, we are not doing a lot of other things.

- Defeeling unhappy for some painful work
- 1) funnel attention ento a more pleasant task
- 3 Feel happy (temporarily)

Pomodoro: (Francesco Cirillo, early

(italian for tomato)

-CIE

Pomodoro technique, Brunsel is teaming >25 minutes Ino interruptional corner to mon and mo Jo focus -) tocus reward (afer 26 mins) [5 mins] Practice makes permanent in the two similar The more we practice the abstract things the more permanent connections they make moun brain. We need to learn little by little and let the learnt things sink in and form connections for a long lasting effect. are doing son Long-term memory slike a storage warehouse Working memory (immediate and conciously processing)= [pre-frontal contex] something like an inefficient mental blackboard wo ... I we need to revisit the long ferm memory portions so that we can find them easily when needed

To set something in a long-term memory we need to perform speced repetation, We should Eplan to do spaced repetation without repeating

Importance of Sleep:

Sleeping removes the toxins from the brain by relaxing our neurons
while sleeping the neural connection of our
learning task gets strengthened. . sleeping allows our brain, a chance to rehearse difficult material-going over and over the tougher difficult material-going over and over the tough aspects of what we are trying to bearn dream.

There is a high possibility that we will dream about the things we are learning if we read about them just before steep.

about them just be fore steep.

About them just be fore steep.

There is a high possibility that we will dream if we had not been are learning if we read.

There is a high possibility that we will dream about the figure of modern about them just be fore steep.

There is a high possibility that we will dream aspects of meaning if we read about the minutes are learning if we read about the minutes are steep.

There is a high possibility that we will dream appear to the meaning if we read about the minutes are learning if we read about the minutes are learning if we read about the minutes are learning if we read about the minutes are steep.

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build linking principles, from brain to behavior using

computational models

· learning by doing and learning by osmosis from Per people who are experts italians · ask questions (active learning) multitushing is context switching so that we can think and explore different things exercise is important for generation of neurons and getting into diffuse mode.

Oon't give up, be persistant Berny about Leaning langula gest p that beneficial "Whether you think you can, or you think you. can't, you're or right." - Henry Ford con't, you're a tight.

The monics phopaced repetitions.

The monics phopaced repetitions.

The monics phopaced repetitions. Brigg noineaging of word have soldismil Bring pling Water Tomortonary models

(U. of California) Interview with Dr. Robert Bilder on Creativity and Problem Solving: "No paln, no gain." Five personality traits [OCEAN] *Openness to new. i) Operness experience is associated ii) Conscientiousnes with great achievement 1i) Extraversion * People with lower iv) Agreeableness agreeable ness tend to show higher achievement [science] v) Neuroticism

*Finding the fine line between agreeableness and being disagreeable is hard between word and . Atry to go back and forth between word and images (graphs, flows, etc.)

Interview with Daphne Gray Grant. [Writing Coach]

publication coach.com

writing & diffuse _____, don't edit while writing

editing & focused

Mindmapping. Brake a page and vormit the ideas

Mindmapping. Brake a page and vormit the ideas

(horizontal view) [link the events]

Memorizing helps understand thing deeply