

WELCOME TO PSYC 110

don't spend your time fantasizing about something that could be reality. brotips|tumbir

PSYC 110 (General Psychology)

Module 6:

Memory

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Stop/Start/Continue Follow-up!

I think Dr. T should STOP:

"Repping Toronto"

"Sometimes you go very fast through the slides"

"Playing music before class at such a high volume"

"Saving clicker questions for the very end of the lecture"

"Stopping so often to answer questions, I feel like it disrupts the flow of the class"

"Lettin mfs tell him he aint a DAWG!!!!"

I think Dr. T should START:

"incorporating more textbook info into the lectures"

"Releasing Friday quiz grades early"

"Putting the full powerpoints on canvas"

"I think it would be easier if the inquisitive was due on Friday with the quizzes"

"Playing songs by mumble rappers about trapping"

I think Dr. T should CONTINUE:

"Being a chill guy"

"Relating the information to personal experiences or something we can understand"

"posting the answers to the friday quizzes"

"The brainrot announcement videos...they bring a lot of light to my day and I share them with my friends."



Overall notes going forward with our course

I'll slow down-my b I get excited

Call it out! Nobody will judge you if you ask to go back or wait—especially not me

I will <u>do my best</u> to get Friday Quiz grades back earlier

Analysis takes time and I want to make sure each quiz is fair with 100% certainty

InQuizitives

- Lowered to 1000 points rather than 1500
- Remember it is and always has been textbook-content only
- Remember, you don't have to (and are recommended not to) wait until Sunday to do it

Research says Professor-designed exam study guides aren't the best for you

- The slides are your study guide—everything is fair game on assessments
- We'll talk about the benefits of self-generated study guides this week in MEMORY



Overall notes going forward with our course

I can't cover <u>more</u> material in class than I already am 🕾

The point of the textbook is to supplement in-class material—not be redundant with it

Friday Quizzes have to stay the same

• Trust me, there's a method to this madness (education research, long-term memory, etc.)

Full lecture slides have always and will continue to be posted every night before class

 I suggest to write separate notes during class, then review the slides to elaborate and confirm

Y'all want extra credit? Stay tuned for my announcement on Wednesday ©







What should we get out of today?



PSYCHOLOGICAL PERSPECTIVES ON MEMORY

THE THREE-TIER MODEL OF **MEMORY**

SENSORY MEMORY

SHORT-TERM MEMORY



Memory is modelled as familiar concepts









There are problems with some of these metaphors



Computer Data

Stored data is identical to inputted information Retrieved data is identical to inputted information



Human Memory

Stored memory includes context and interpretations
Retrieved memory may be altered



Memory involves three components





A basic memory task involves encoding and retrieval

The **encoding** phase:

Remember this list of words:

Shirt

Sheets

House

Seven

Bell

Socks



A basic memory task involves encoding and retrieval

Retrieval usually involves one of two tasks after encoding:

Recall Test



Recognition Test

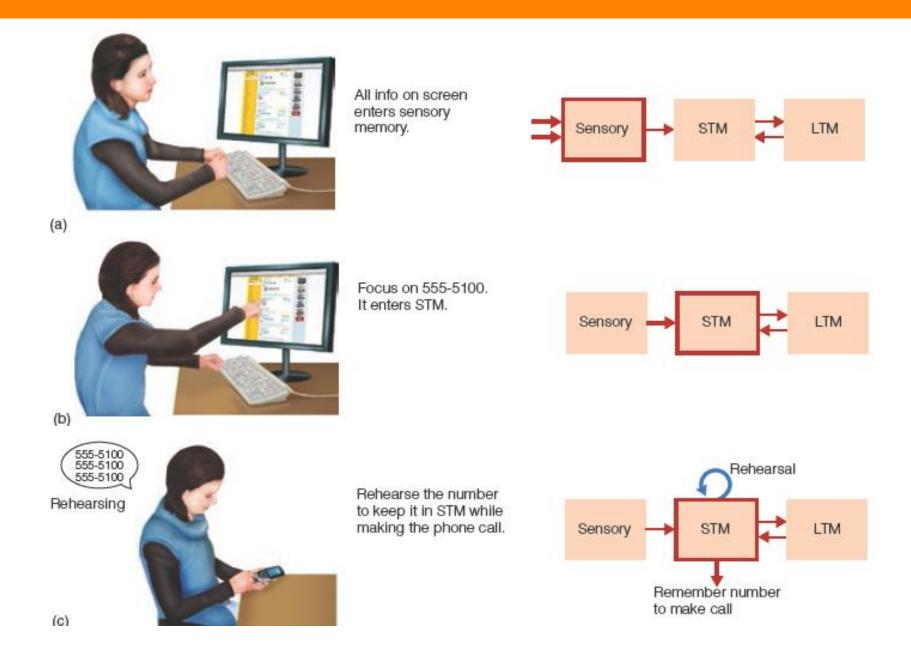




The most accepted model of memory has three tiers



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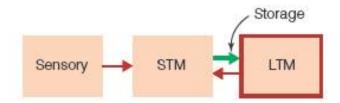




The most accepted model of memory has three tiers

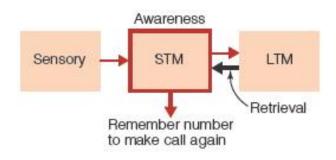


Store number in LTM.





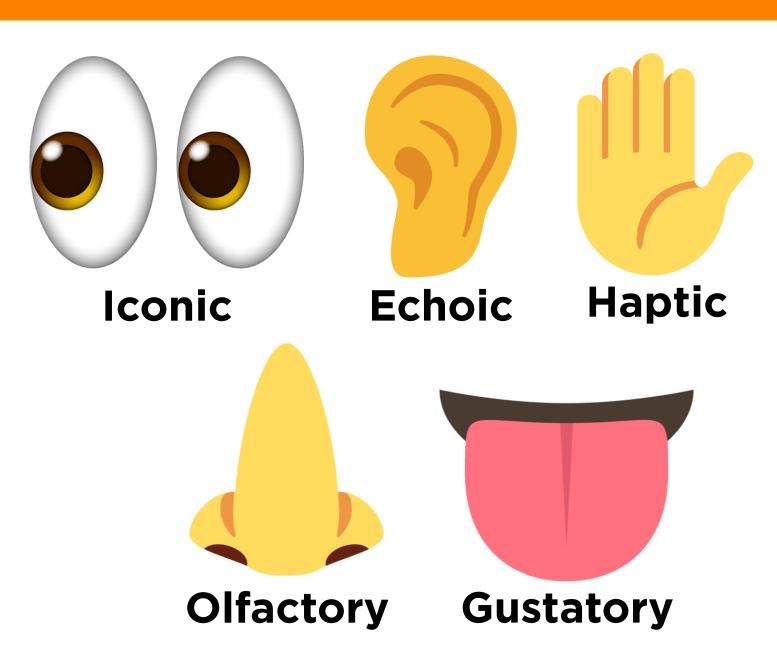
Retrieve number from LTM. It goes back to STM and is remembered.





Sensory Memory comes from each of the five senses

Each sense has its own register, which holds information about a perceived stimulus for a fraction of a second after the stimulus disappears





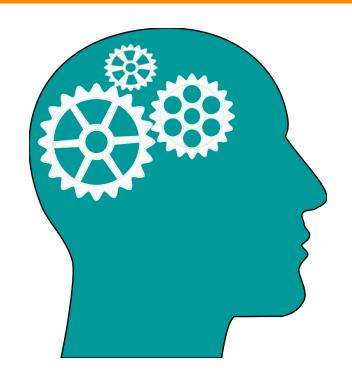
Sensory Memory lasts less than one second

For example: Persistence of Vision





Short-Term Memory (STM) makes up our conscious thought



STM...

...receives information from sensory memory ...sends and receives information from long-term memory ...is how we use information in the present



Does STM have limits?

I need THREE volunteers!

Silently read the number that appears below, then close your eyes and try to say them in order

8624398569

7463953933

2749462846





STM has a capacity limit

Miller's Rule (Item Capacity)

Item = an object that has meaning (letter, number, word, etc.)

7 ± 2 items







STM has another limit

I need ONE volunteer!

Silently read the number that appears below, then close your eyes and try to remember while Dr. T talks to the class (ignore Dr. T)

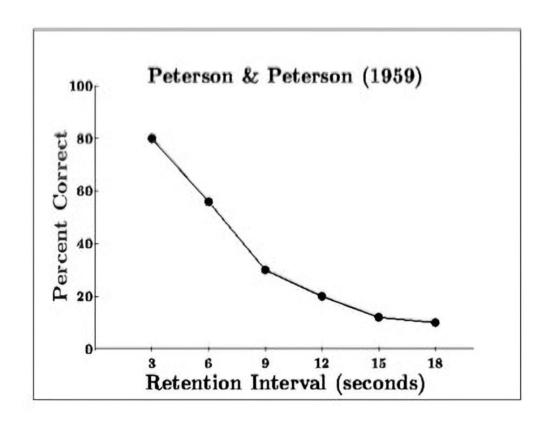
4283097

Silently read the number that appears below, then pay attention to Dr. T

8370962



STM has limits of duration



STM lasts ~20 seconds (tends to vary from 10s to 30s)

But wait, why was the volunteer able to remember the numbers so much better when they ignored Dr. T, even though it was longer than 30 seconds? The theorem is the second of the s





We overcome limits of duration through rehearsal



Maintenance Rehearsal

Repeating information over and over

- Best for short-term memory, not long-term
- Repetition without contextualization
- Often leads to forgetting after a short time
 - When rehearsal stops, memory begins to decay

We overcome limits of duration through rehearsal

#KingArthur King of Queens - Remembering Jerry Stiller (youtube.com)



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THE THREE-TIER MODEL OF **MEMORY**

SENSORY MEMORY

SHORT-TERM MEMORY



How did we do?

EMPTY YOUR MIND.

BE FORMLESS. LIKE WATER.

YOU PUT WATER INTO A CUP.

IT BECOMES THE CUP.

YOU PUT WATER INTO A BOTTLE,

IT BECOMES THE BOTTLE.

YOU PUT WATER INTO A TEAPOT,

IT BECOMES THE TEAPOT.

WATER CAN

FLOW CRASH.

BE WATER, MY FRIEND.

For y'all:

Friday Quiz on March 7

InQuizitive due March 9

Reflection Journal due March 9

Remember to get your SONA credits done!

Start thinking about your Collab Project groups!