

Memory

Module 20 Information Processing

Objective's for Today's Class:

- -Encoding memories
- -Storing memories
- -Retrieving memories

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Memory is learning that

It is information that has been



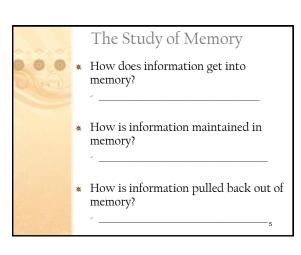
Memory is a constructive process through which we actively ____

Thinking and memory are flexible and capable of constant change...this can

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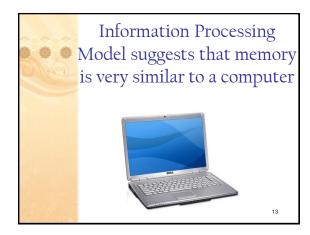
Information
processing model
focuses on how
information is
cognitively
organized

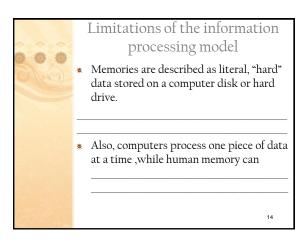


*	Encoding is the
	so the brain can process it.
*	Learners must <i>encode</i> information to store it.
	If encoding is successful we are able to retrieve the information from <u>storage</u> .

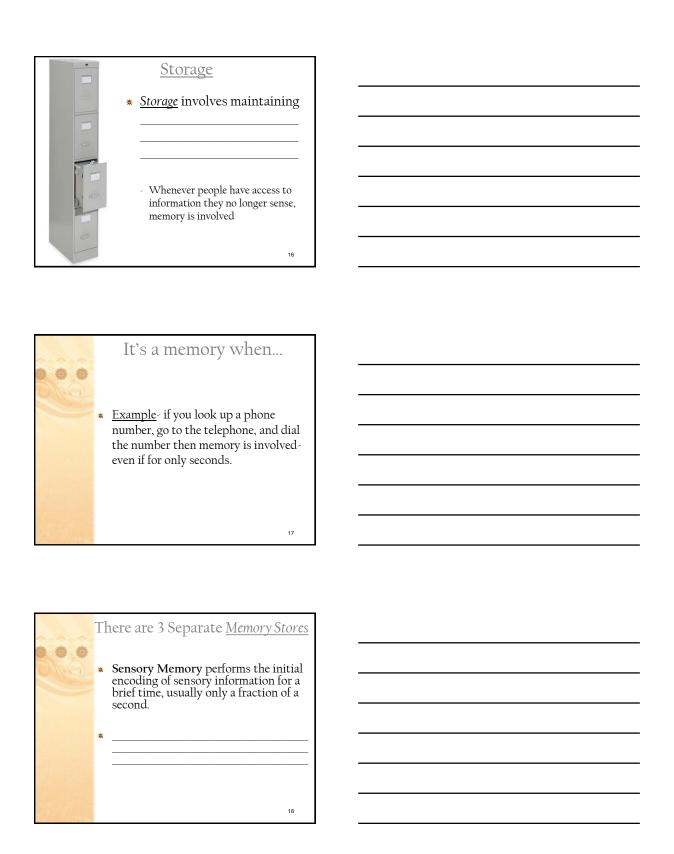
What did you say? Some information gets into memory These include paying attention, processing deeply, elaborating, and using mental imagery. To begin the process of memory encoding, we have Attention * Divided attention involves concentrating on more than one activity at the same time. It is not unusual for students to divide their attention ("Multi-tasking") among homework, texting, web surfing, and looking at an iTunes playlist. Research indicates that trying to listen to a lecture in class while simultaneously texting or playing a game on your cell phone is likely

Another factor that influences memory is the degree to which we get involved with the information. The term levels of processing	
The term levels by processing	
It suggests that memory relies on how	
By adding meaning, developing organizations and associations, or relating it to things we already know, it can be stored for a lifetime.	
Parallel Distributed Processing	
(PDP) The brain performs multiple, parallel operations all at once, allowing	



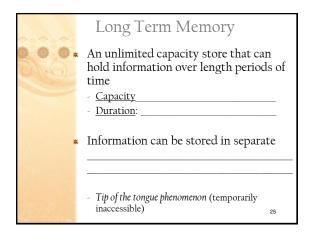






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	People have a special	
	capacity for briefly retaining	
	This capacity is called the  Sensory Memory	
	19	- <u> </u>
	C	1
	Sensory Memory	
* Iconic M	emory is a	
	ty: $4 \pm 2$ bits of info	
* Echoic M memory	demory is a momentary	
- Capaci	ity: about 6 bits of info	
ale ale ale	20	
	*** 1.	
0 0 0	Working memory is where	
	WHELE	
	mputing solutions to math problems you to comprehend what you are reading	
	at the meaning of what has just been said to your in a conversation.	
	your in a conversation.	

	The working memory has many	
	limitations	
<b>6</b> /66)*	Short-term memory is a <u>limited-capacity</u>	
	store that can maintain	
*	Capacity:	
	"The magic number" (George Miller)	
		-
	22	<u> </u>
		1
章 章 章		
0/69	<ul> <li>People can group information in ways to expand their short-term</li> </ul>	
	memory capacity.	
	, 1	
	- "Chunking" allows for easier	
	encoding	
	23	
		1
	How long can this information	
章 章 章	stay in STM?	
0/00)*	Memories disappear unless:	
	You continually <u>rehearse</u> them	
	They are really meaningful so they get stored quickly into long-term memory	
	ossieu quieta, mo tong term memory	
*	Rehearsal:	



# Next class How Do We Get Information Out of Memory?