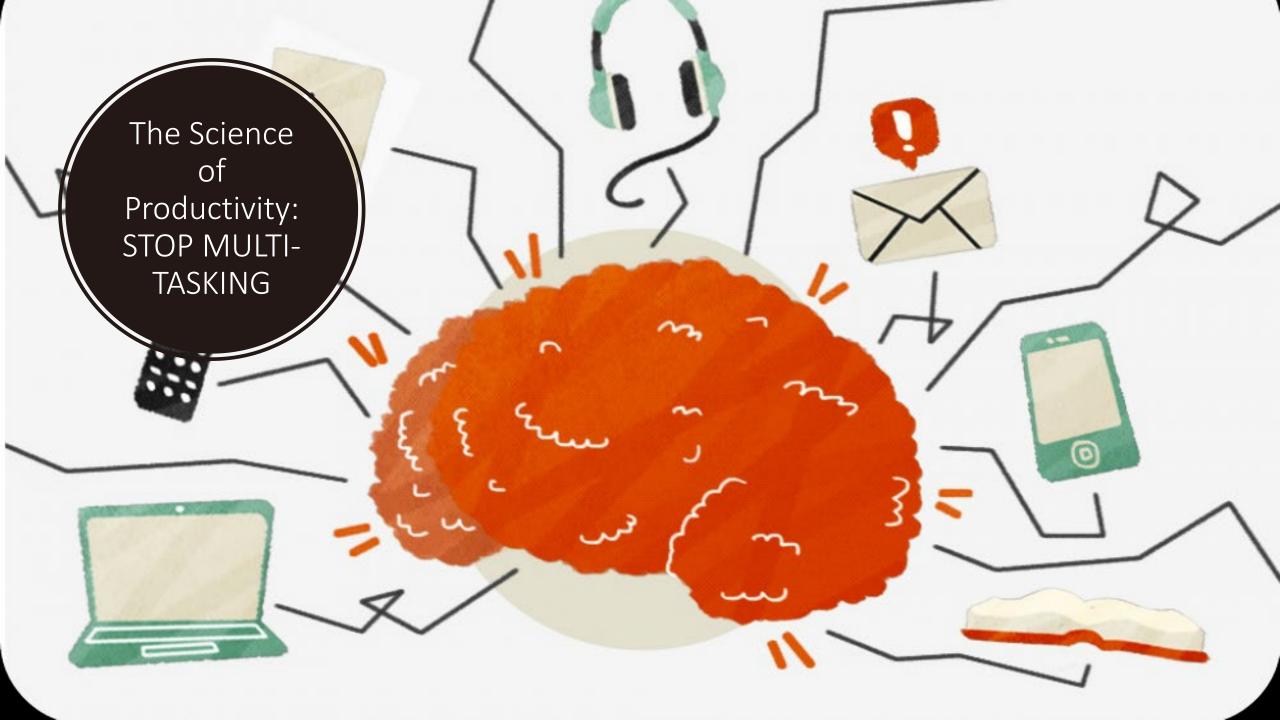
AST Educator Conference Phoenix Arizona 2019

Lora Smith





The Best Study Strategies Ranked

- **Distributed Practice**: Implementing a schedule of practice that spreads out study activities over time.
- Practice testing: Selftesting or taking practice tests over to-be-learned material.

High Utility

- Distributed practice
- Practice testing



Moderate Utility

- Elaborative Interrogation
- Self-explanation
- Interleaved Practice

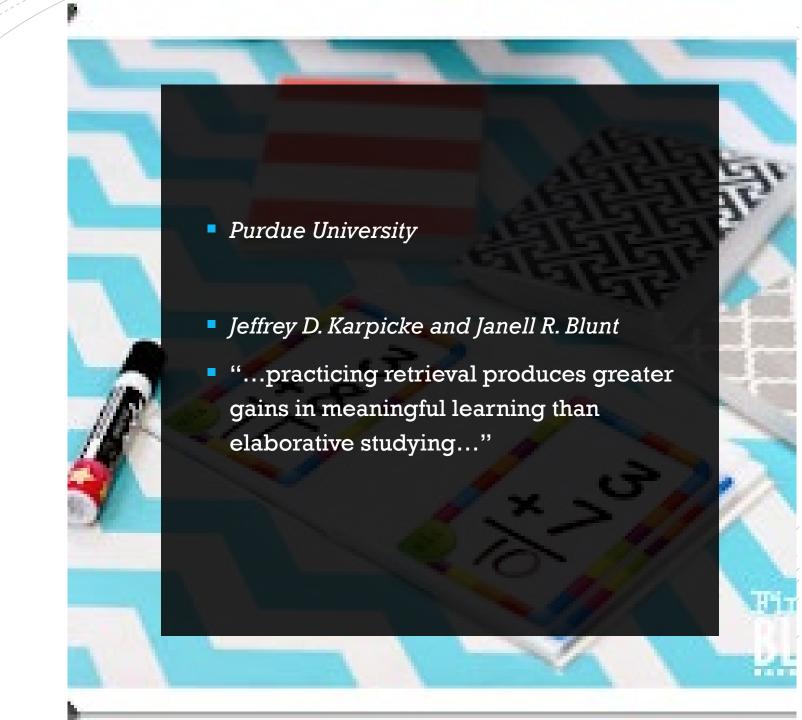


Low Utility

- Summarization
- Highlighting/underlining
- Keyword mnemonic
- Imagery use (for text learning)
- Rereading



Research finds practicing retrieval is best tool for learning



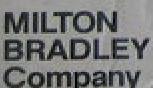


The Original **Card Matching Game**

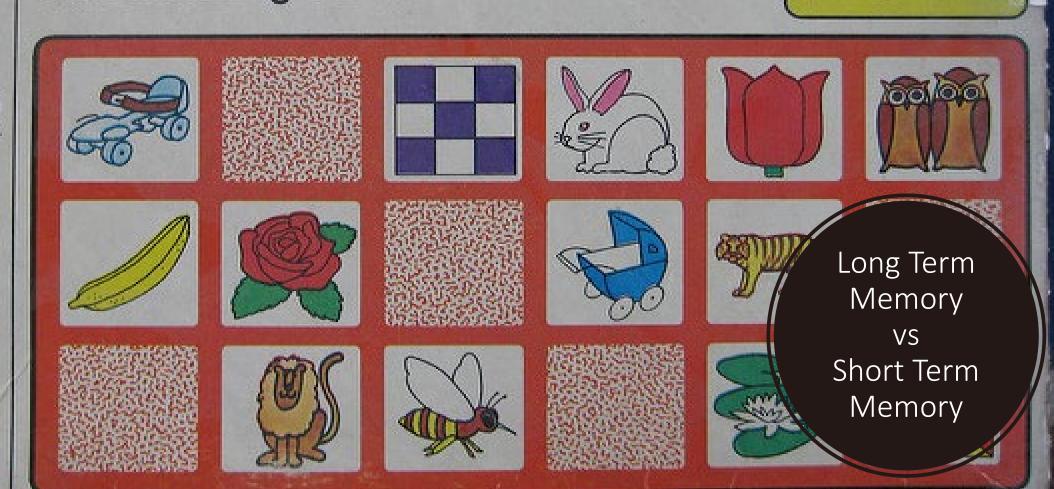


Ages 4-10

1 or more players.



Company SPRINGFIELD, MA 01101 Made in U.S.A. 4664



1. **limited capacity** (only about 7 items can be stored at a time) Examples?

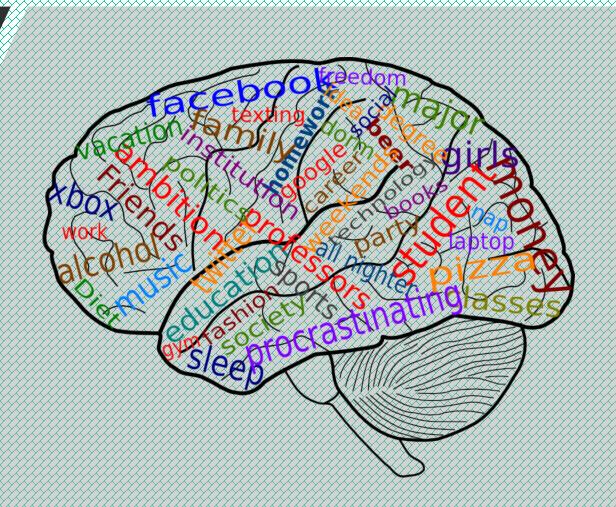
SHORT TERM MEMORY



coloringpage.eu

SHORT TERM MEMORY

• 2. **limited duration** (storage is very fragile and information can be lost with distraction or passage of time)





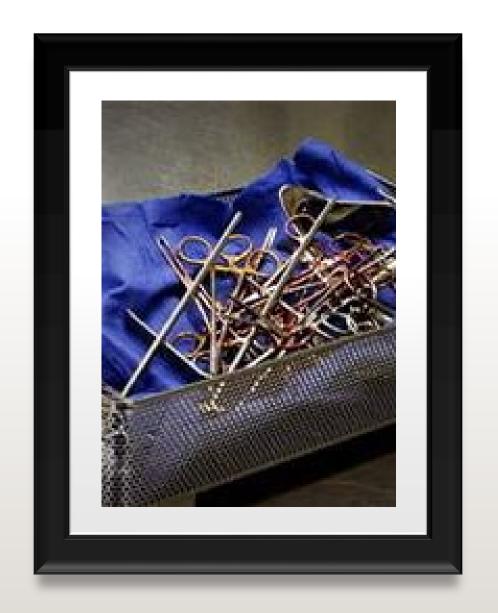
LONG TERM MEMORY

• I. abstracting-picking out important information from mass information. (ex. Main ideas, topics, categories, listening for clues like intonation and inflection in my voice)

Topic: Instruments

Categories: Scrub Students Can

Definitely Remember Many Groups



LONG TERM MEMORY

2. **schematizing**-get information into "folders" schema (ex.At home plates are in a particular cupboard, shirts are in a particular drawer/closet.

Examples:

- I. Definitions/descriptions
- 2. Cause and Effect
- 3. Compare and Contrast
- 4. Sequences

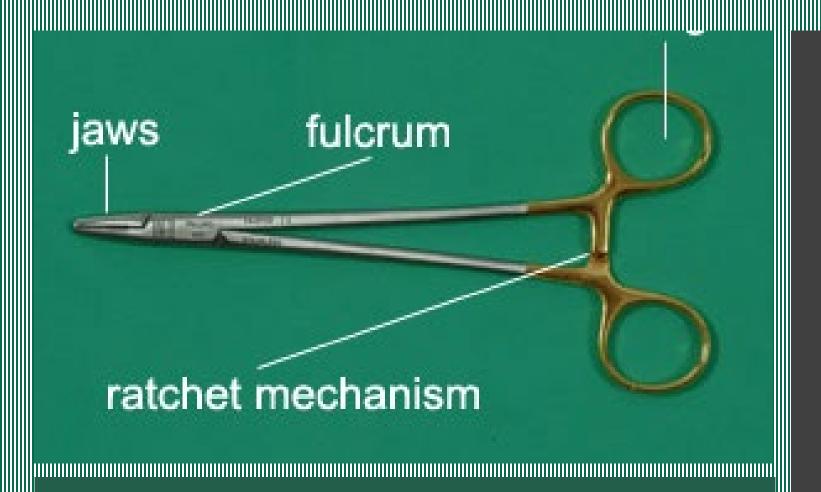


LONG TERM MEMORY

3. elaborating- attaching to prior knowledge, putting into own words, KEY to retrieving info is using an example to remember for retrieval.







• 4. **organizing-** Putting info into form/order. Visualization: Diagrams, charts, pictures, **flashcards**

LONG TERM MEMORY

SHORT TERM MEMORY VS LONG TERM MEMORY

SHORT TERM MEMORY

Short term memory has three key aspects:

- 1. limited capacity (only about 7 items can be stored at a time)
- 2. limited duration (storage is very fragile and information can be lost with distraction or passage of time)
- 3. encoding (primarily acoustic, even translating visual information into sounds). Ex. Saying a person's name, or errand list out loud.

LONG TERM MEMORY

Long term memory has 4 key aspects:

- 1. abstracting-picking out important information from mass information. (ex. Main ideas, topics, categories, listening for clues like intonation and inflection in my voice) Retractors vs Scissors
- 2. schematizing-get information into "folders" schema (ex. At home plates are in a particular cupboard, shirts are in a particular drawer/closet. This is a general, gyn, orth instrument...
- 3. ellaborating- attaching to prior knowledge, putting into own words, KEY to retrieving info is using an example to remember for retrieval.
- 4. organizing- Putting info into form/order. Visualization: Diagrams, charts, pictures, flashcards

WILL YOU REMEMBER THIS TOMORROW?



HOW DO WE KNOW THAT OUR STUDENTS HAVE LEARNED?



TYPES OF SUMMATIVE ASSESSMENT:

- End-of-term or midterm exams
- Cumulative work over an extended period such as a final project or creative portfolio
- End-of-unit or chapter tests
- Standardized tests that demonstrate school accountability are used for pupil admissions; SATs, GCSEs and A-Levels

FORWARD ASSESSMENT



Encompasses teacher observation, classroom discussion, and analysis of student work, including homework and tests.



make necessary instructional adjustments, such as reteaching, trying alternative instructional approaches, or offering more opportunities for practice



Studies show that students involved in the feedback of formative assessment helps learners become aware of gaps that exist between their desired goal and their current knowledge guiding them through actions necessary to obtain their goal.



Student involvement encourages students focus their attention on the task rather than simply getting the correct answer.

ASSESSMENTS

FORMATIVE

- All activities that teachers and students undertake to get information that can be used diagnostically to alter teaching and learning.
- Types of formative assessments:
- Observations
- Wait time
- Think, Pair, Share
- See one, do one, teach one
- Discussions
- Quizzes

SUMMATIVE

Summative assessment evaluate student learning and academic achievement at the end of a term, year or semester by comparing it against a universal standard or school benchmark. Summative assessments often have a high point value, take place under controlled conditions, and therefore have more visibility.

Types of summative assessment:

End-of-term or midterm exams

Cumulative work over an extended period such as a final project or creative portfolio

End-of-unit or chapter tests

Standardized tests that demonstrate school accountability are used for pupil admissions; SATs...

STUDENTS PLAY VIDEO GAMES

VIDEO GAMES

WHO plays video games?





HOW MUCH TIME is being spent playing video games?

6.3 hours per week

25.2 hours per month

327. 6 hours per year

TOP 5 video games

- Mortal Kombat X
- Grand Theft Auto V
- Battlefield: Hardline
- Call of Duty: Advanced Warfare
- Batman: Arkham Knight

HEALTH RISKS from video games

- Carpal Tunnel Syndrome
- Migraines

MONEY SPENT on video games \$22.41 billion

Made by Nicole Overman, Class of 2016

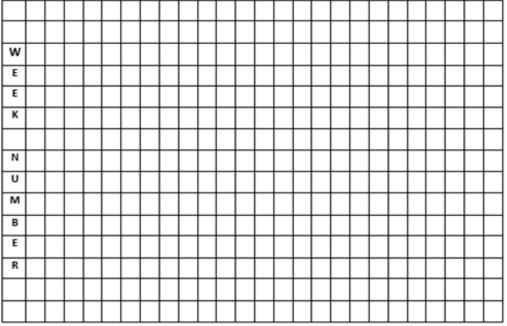
LET'S USE SELF-ASSESSMENT IN THE CLASSROOM!!



SURG TECH 190: INSTRUMENT GRAPH

· NAME:

Week#	Goal (expected	Time (Min.)	Actual # of	Actual # of
•	# of Cards)	,	cards correct	cards correct
2	10	1		
3	20	2		
4	30	3		
5	50	5		
6	65	5		
7	85	7		
8	105	7		
9	125	7		
10	150	8		
11	175	8		
12	190	9		
13	210	10		
14	230	10		
15	249	10		



- Surgical Instruments
- •General
- Orthopedics
- •OB/GYN
- •MIS
- Robotics
- Medical Terminology
- Prefixes
- Suffixes
- Root words

ME: h			Tursday	Thursday
Week#	# of Cards)	Time (Min.)	Actual # of cards correct	Actual # of cards correc
2	10	1	13	25 8
3	20	2	~	16 6
4	30	3	6000	
5	50	5	111	131
6	66	5	141	145 0
7	85	7	175	20625
8	105	7	249	
9	125	7	27948	270
10	150	8		289 8
11	173	8	305	3240
12	190	9	34-	349
13	210	10	340 %	500
14	230	10	_	388
1.5	240	10		14

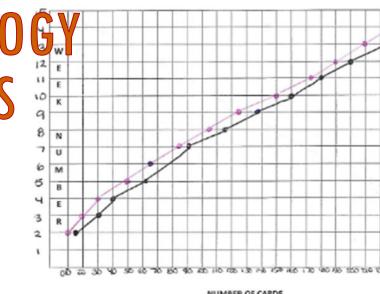
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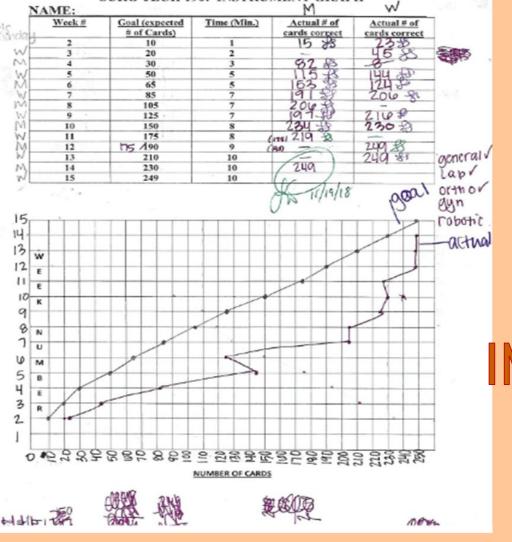
SURG TECH 184: Med Term GRAPH PRE, SUPEF, PROT

NAME:			TUES	THUBS	
Week#	Goal (expected # of Cards)	Time (Min.)	Actual # of cards correct	Actual # of cards correct	
2	10	1	15	15 88	
3	20	2	30 B	6	
4	30	3	4079		
5	50	5	55	(01 2)	
6	66	5	Hotel 66	(06 8)	43
7	85	7	85	9020	1,5
8	105	7		11585	
9	125	7	1.51	138 20	140
10	150	8		160 8	
11	173	8	178	18025	
12	190	9	-	7000	
13	210	10	214	227 %	-127
14	230	10			
15	249	10	_	251	

86

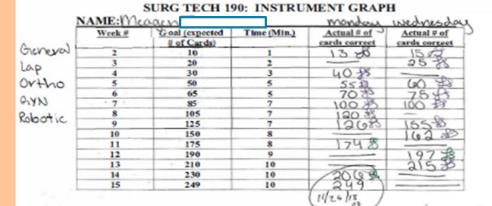


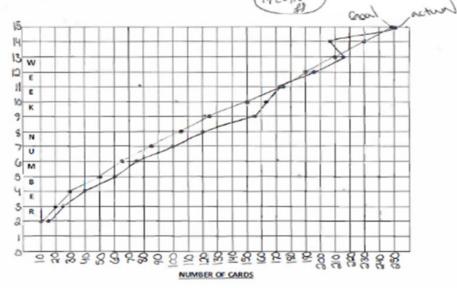
NUMBER OF CARDS

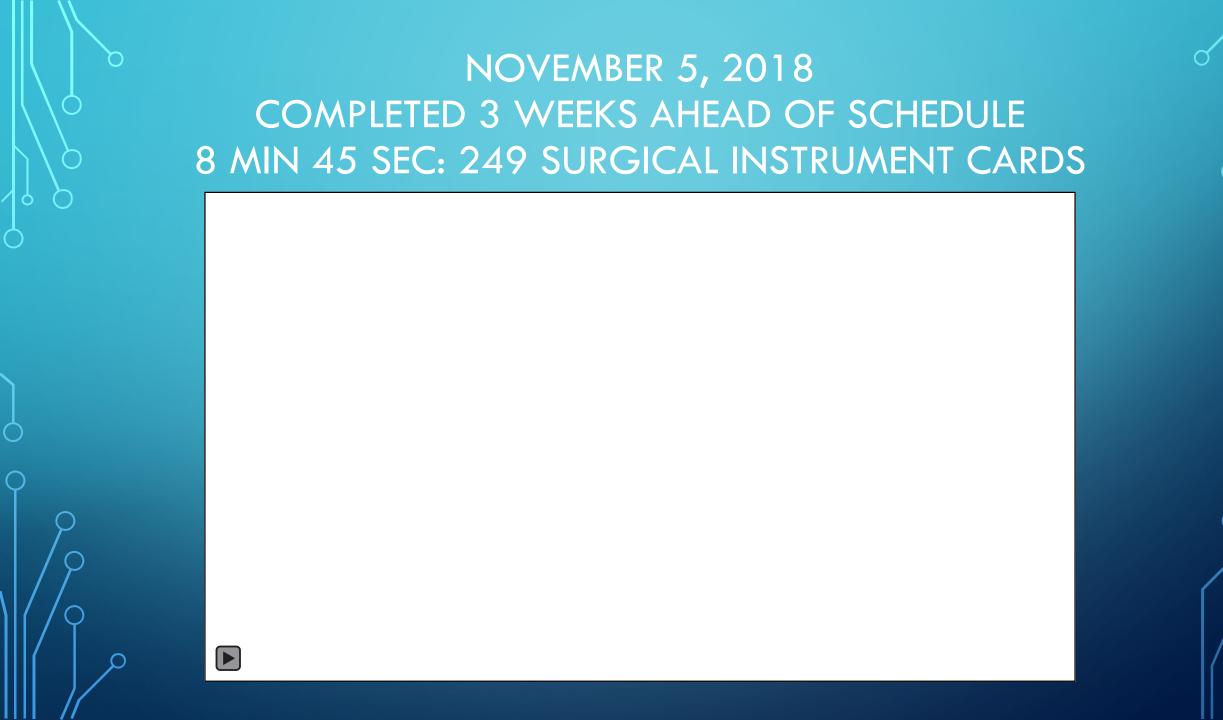


SURG TECH 190: INSTRUMENT GRAPH

SURGICAL
INSTRUMENT
GRAPHS
2018







STUDENT
INVOLVED
ASSESSMENT
FOR
LEARNING:SELFASSESSMENTS

ATTENDENCE ACCOUNTABILITY BUILD CONFIDENCE SPEED ACCURACY RETRIEVAL COMPETITION AUTOMATICITY SYNTAX-LEARN HOW TO USE WORDS SYMANTICS-MEANING OF WORDS LEARNING SUCCESS



QUESTIONS

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