



Western University
OF HEALTH SCIENCES

College of Veterinary Medicine

Learning & Performance

Attention → Processing → Learning → Performing

“It’s a journey.”

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Stormy

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Introduction

How do *you* learn?

1. Mostly, I ...
2. Sometimes, I ...

You. Are Not. Normal.

Time? Location? Materials?
Methods? Who With? Snacks?
Length of Time? Caffeine?



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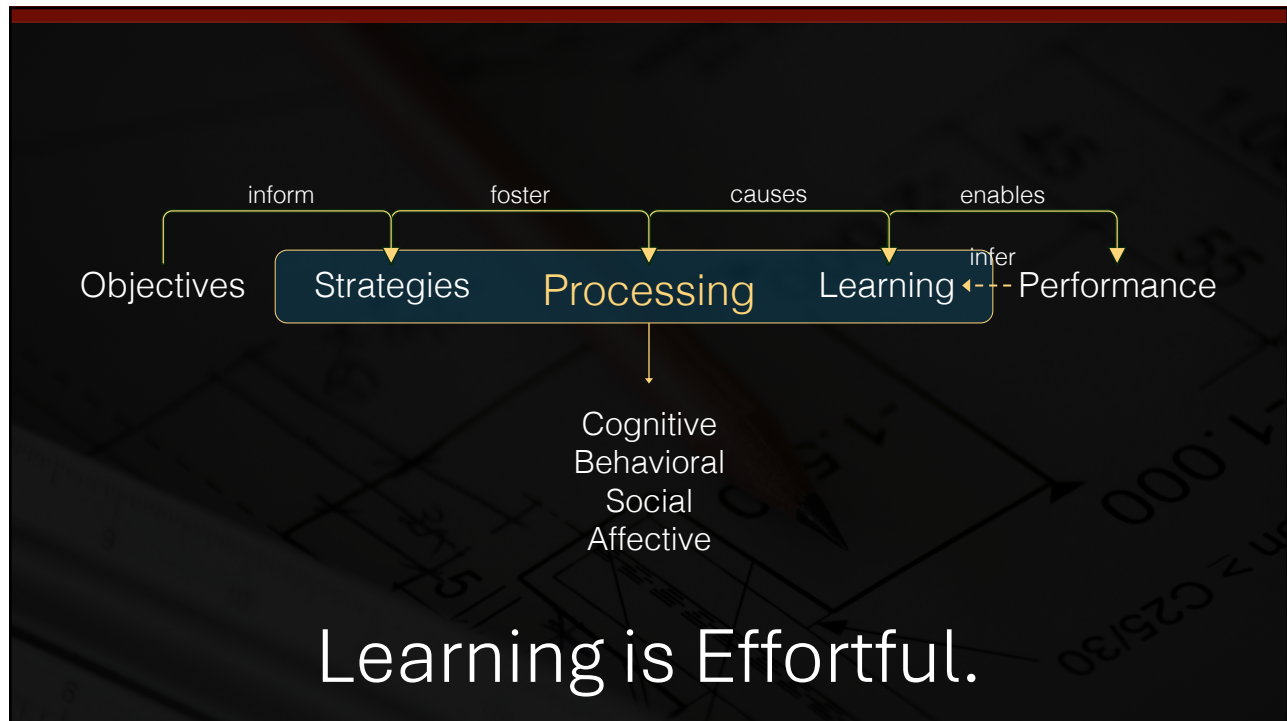
Learning is Hard

3

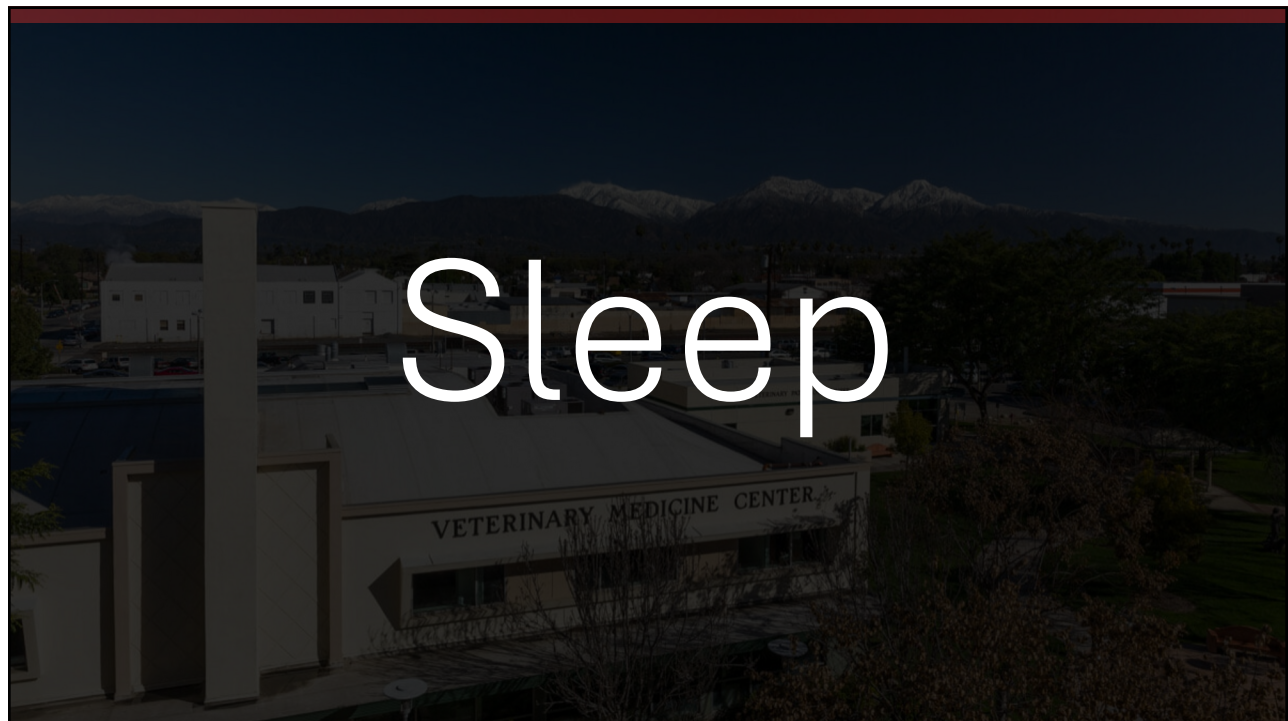
How We Learn



4



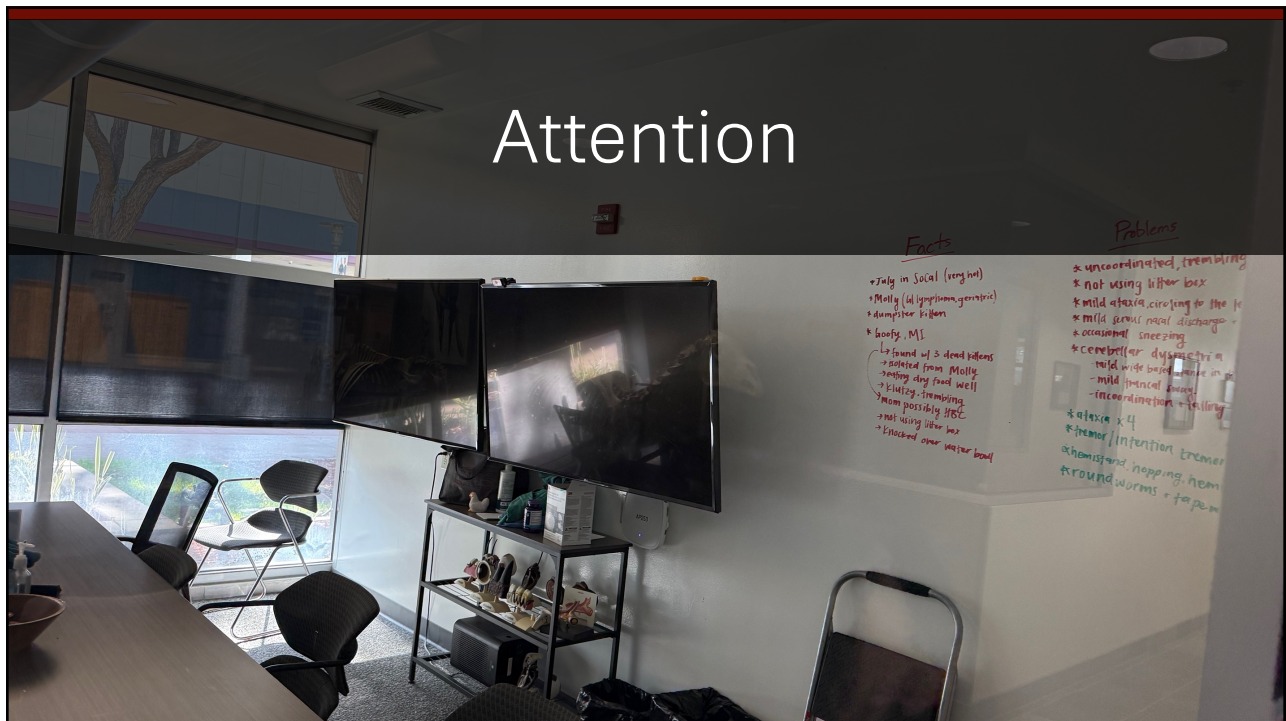
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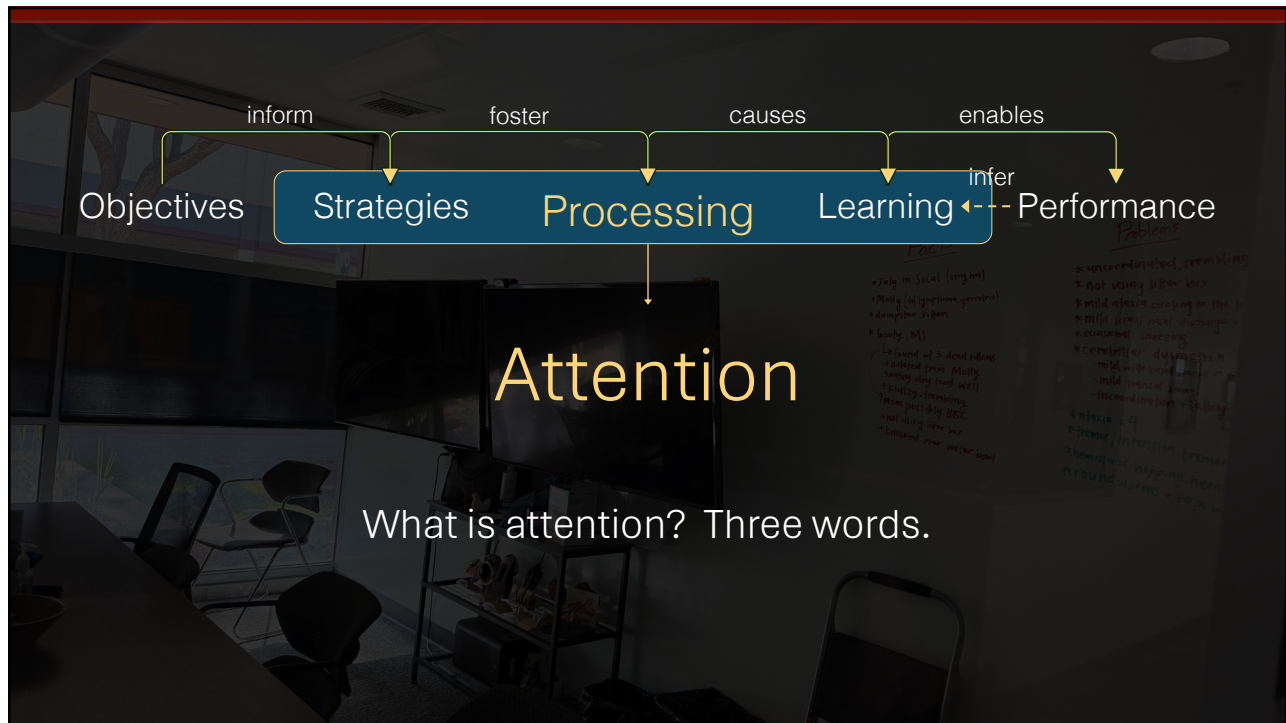
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Directions

Group 1



Blue
Green
Orange
Purple
Red

Group 2



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Ready?

Group 1



That's All!

Group 2



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What do you remember?

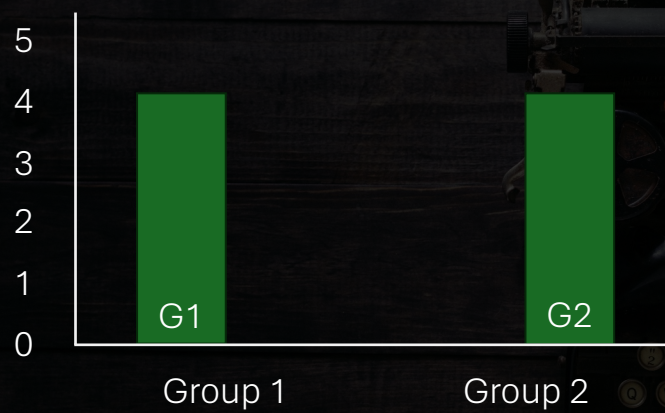
Group 1

Group 2

An Activity		
Color	Group 1	Group 2
Orange		
Purple		
Red		
Green		
Blue		

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Let's Check



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What do you remember?

Group 1

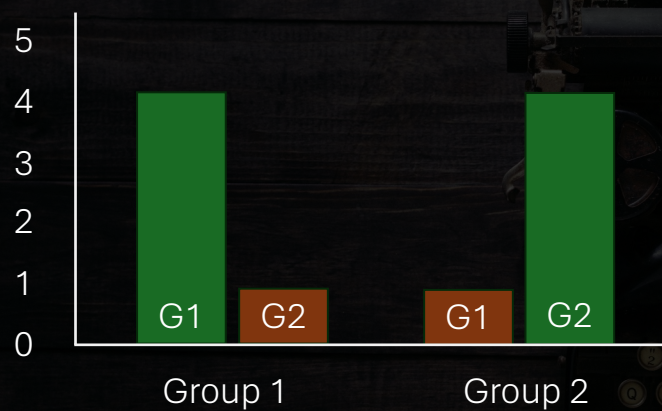
Group 2

An Activity

Color	Group 1	Group 2
Orange		
Purple		
Red		
Green		
Blue		

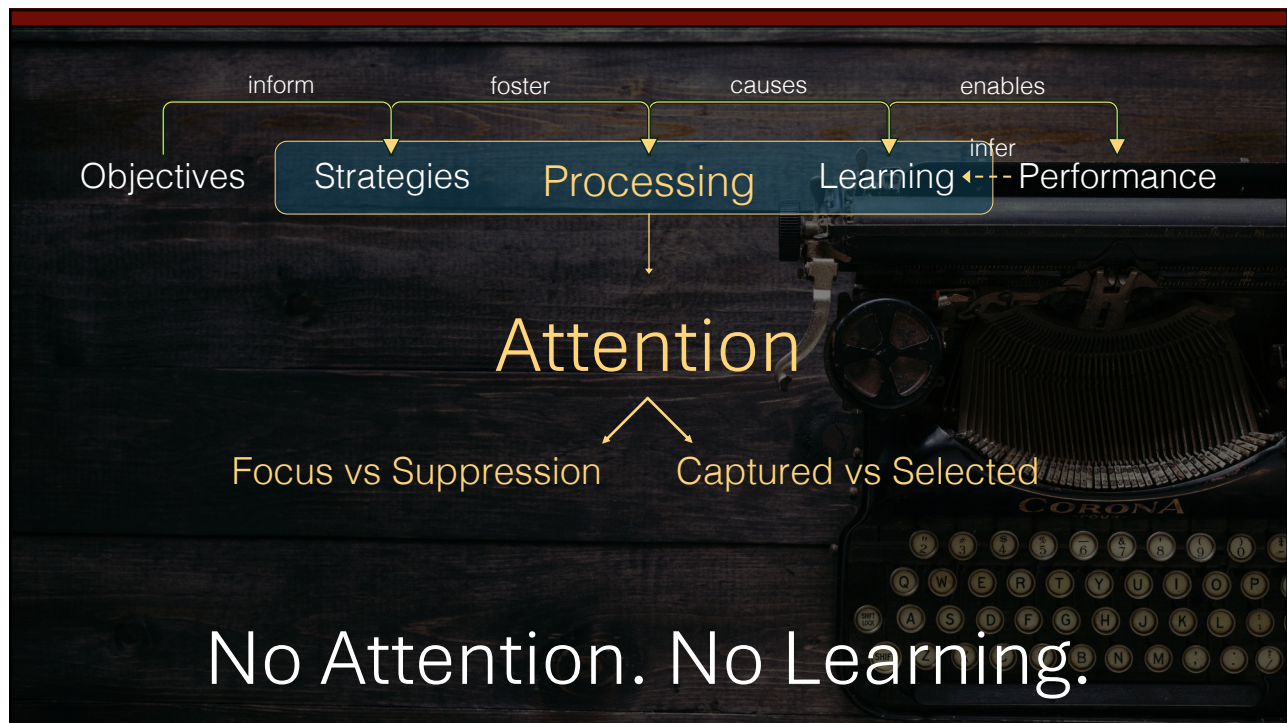
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Let's Check
Why?



No Attention. No Learning.

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Attention & Learning: The Science

- Principle 1: Attention is a competition for spotlight resources.
- Principle 2: Attention to one thing, suppresses other things.
- Principle 3: Attention capacity is small and fragile (no multitasking).
- Principle 4: Attention focus is effortful and often fails (mind wandering).
- Principle 5: Attention is impacted by sleep, anxiety, and fatigue.

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Attention & Learning: *The Application*

App 1: Activate prior knowledge and generate answers *before* new material.

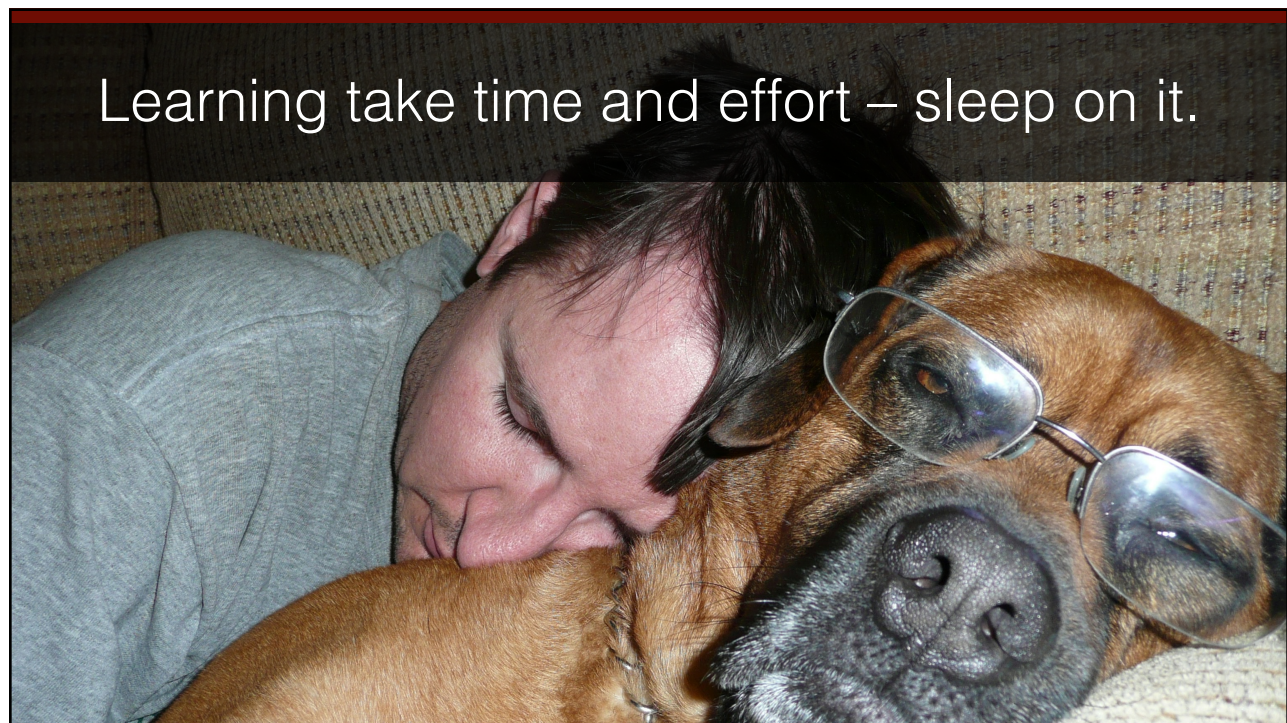
App 2: Select a topic and have students integrate as they learn.

App 3: Protect students thinking from multitasking and distractions.

App 4: Mind wandering is normal, so teach in segments & take breaks.

App 5: Emphasize students' sleep and address anxiety.

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What are 2 things from the
“attention” section that you found
useful, interesting, or confusing:?



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Break



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What are 2 things from the “attention” section that you found useful, interesting, or confusing:?



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Making Meaning

Anatomy

- embryology of neuroanatomy
- feline juvenile dentition (2°) → how to age JG
- subdivisions of the nervous (1°) APP
- vestibular system (1°) APP
- embryology of vestibular (1°) KB
- brief overview of nervous (1°) KP

Physiology

- frequency of urination + pH detection of a kitten (3°)
- physio of balance + coordination (1°) AA
- litter box use normals

Pathology

- top 3-5 neurological disorders in kittens (2°) JM
- central hypokinesia (1°) KP
- depression process
- top 3-5 most common toxins in cats
- FBH

Genetics

- parasites that can affect the nervous system (3-5°) (2°) KP
- transmission of transmissible spongiform encephalitis
- Neospora caninum

Immunology

- Vaccine protocol for pregnant dogs
- can vaccines cause cerebellar hypoplasia

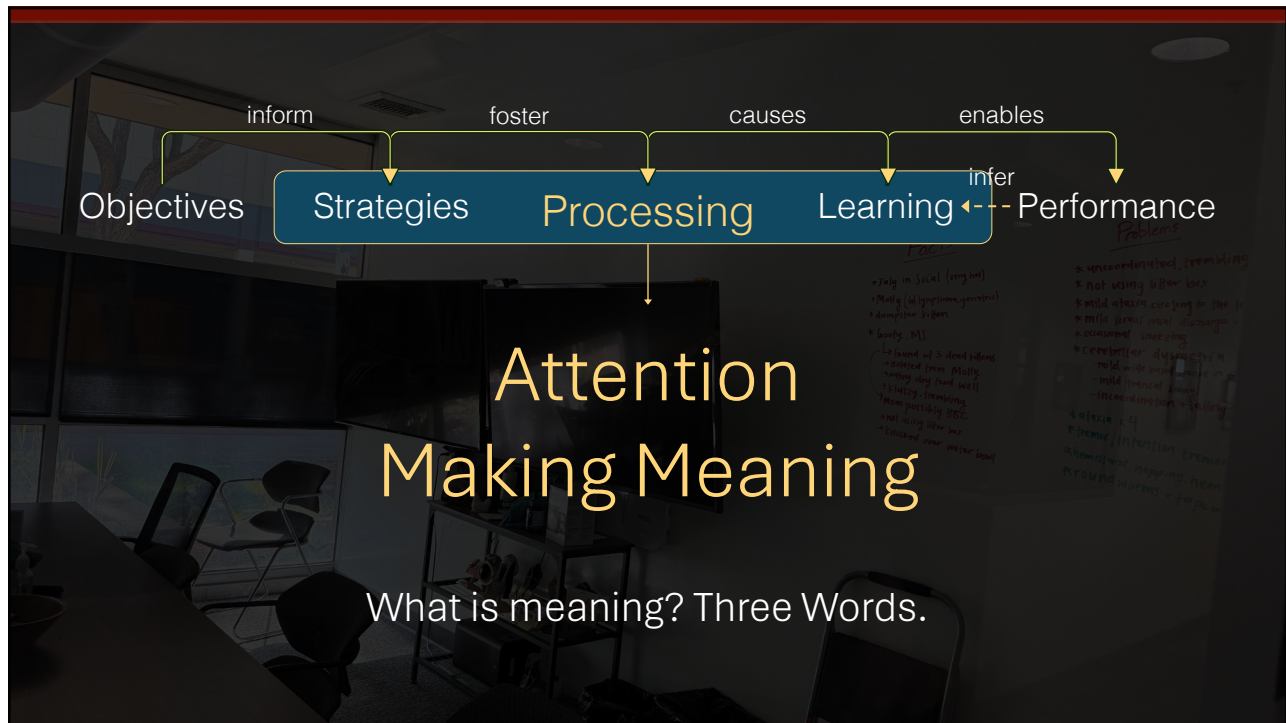
Behavior

- top 3-5 common toxins KB
- kittens are exposed to (2°)

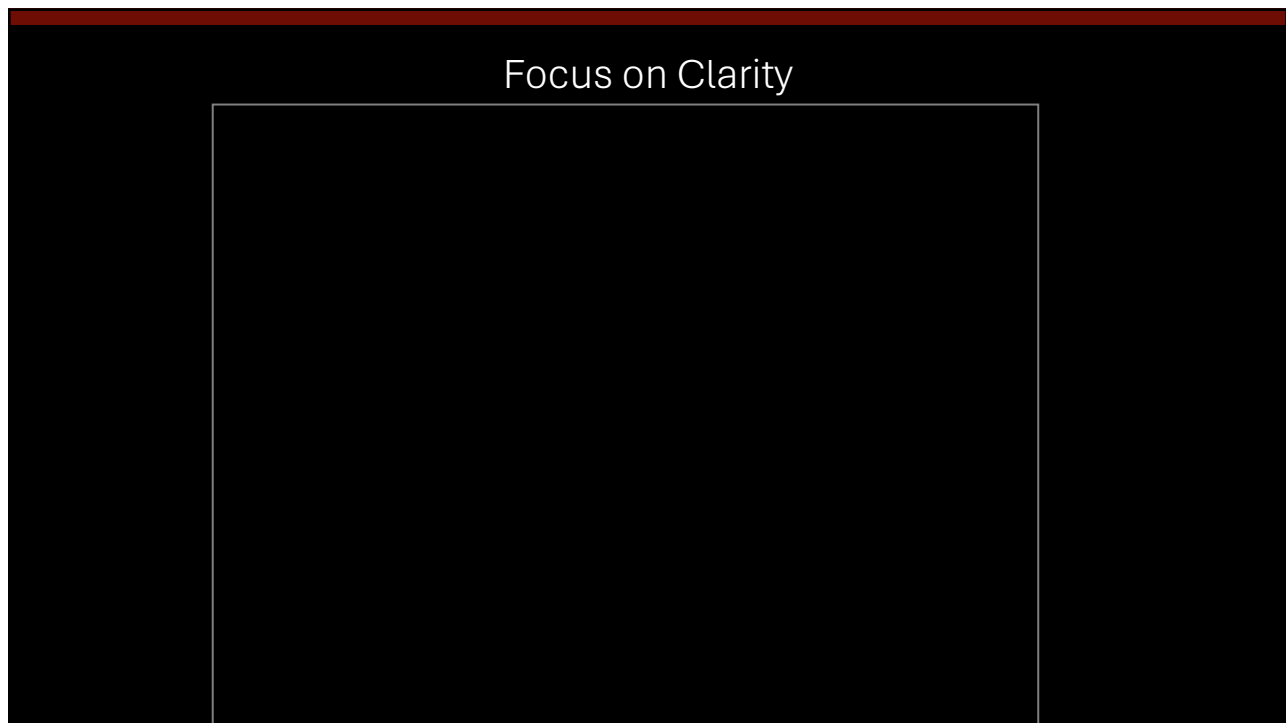
Toxicology

Epidemiology

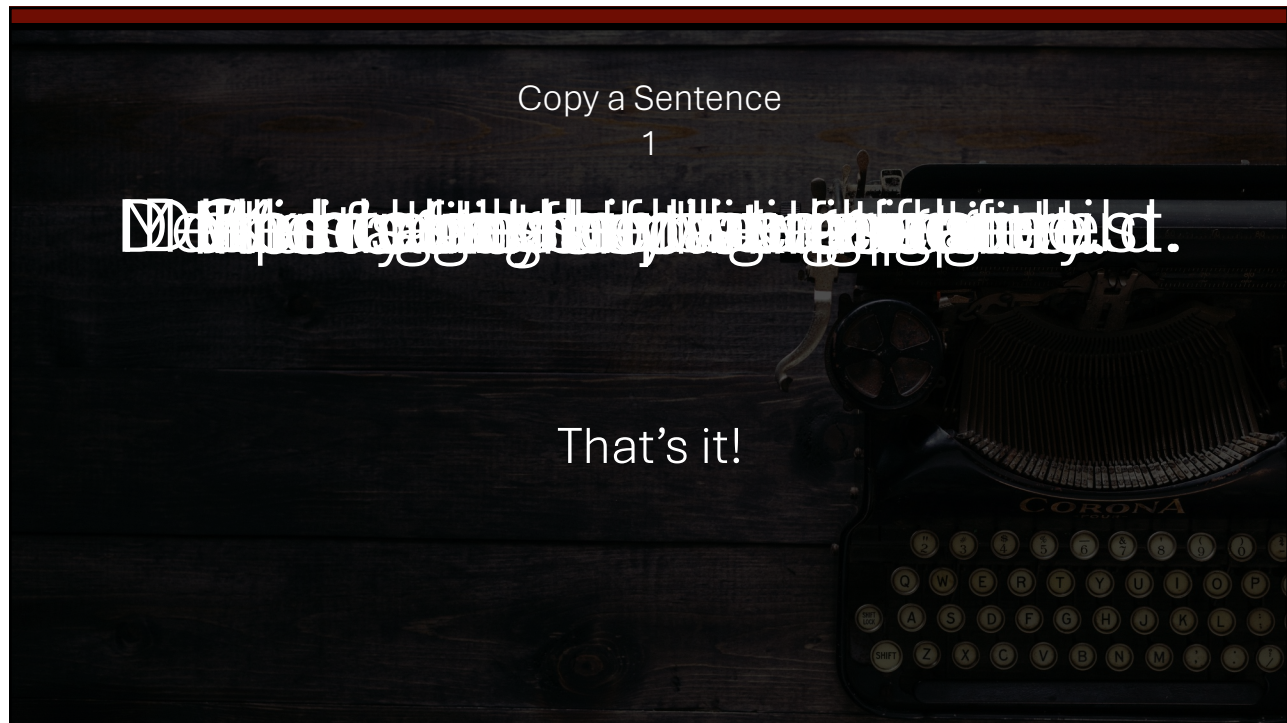
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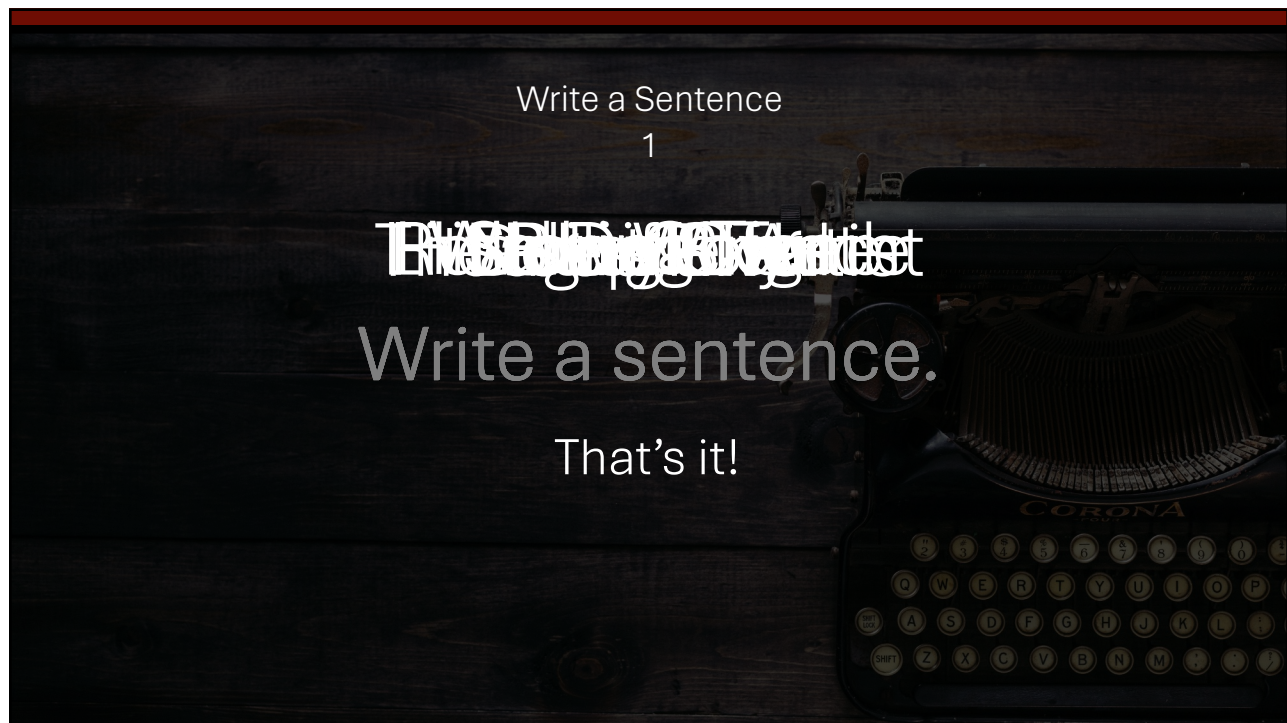
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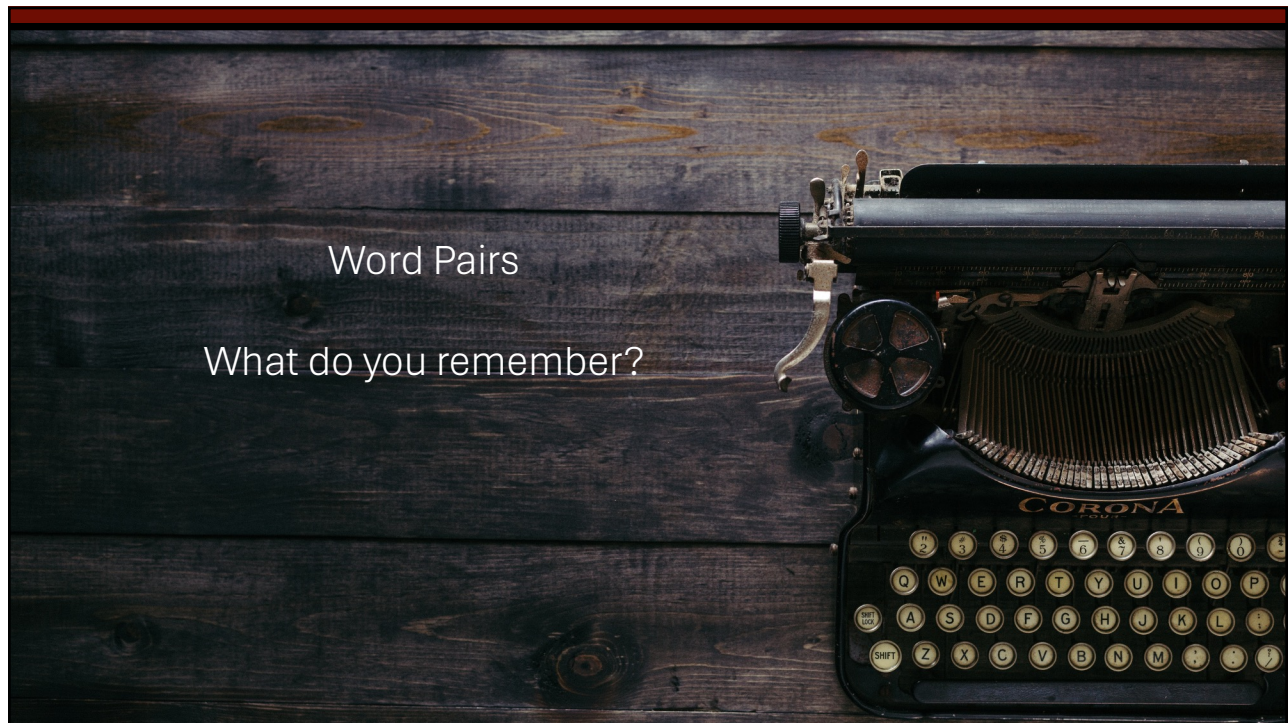
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Word Pairs

What do you remember?

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Copy a Sentence

What do you remember?

2

www.englishclub.com

That's it!

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Create a Sentence
What do you remember?

2

How to Design

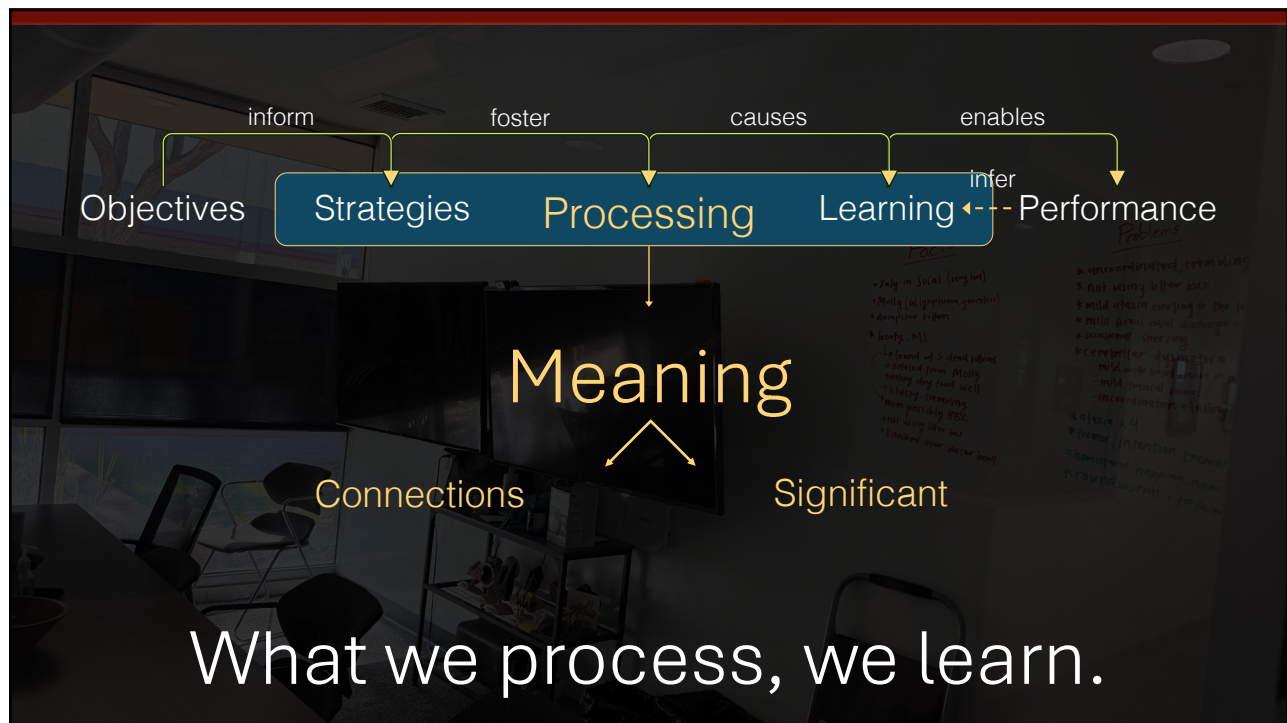
That's it!



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Processing & Learning: The Science

- Principle 1: The deeper the processing, the deeper the learning.
- Principle 2: Activating prior knowledge is essential for new learning.
- Principle 3: Revisit, reintegrate, and reorganize what you know.
- Principle 4: Directly compare and differentiate ideas that you often confuse.
- Principle 5: Learning is effortful; what feels easy, isn't learning.

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Processing & Learning: *The Application*

Learning is facilitated by:

App 1: activating prior knowledge and generating an answer *before* study.

App 2: retrieving, spacing, and generating, not reviewing and re-reading.

App 3: generating self-explanations (what and why) in your own words.

App 4: reorganizing what you know around meaningful relationships.

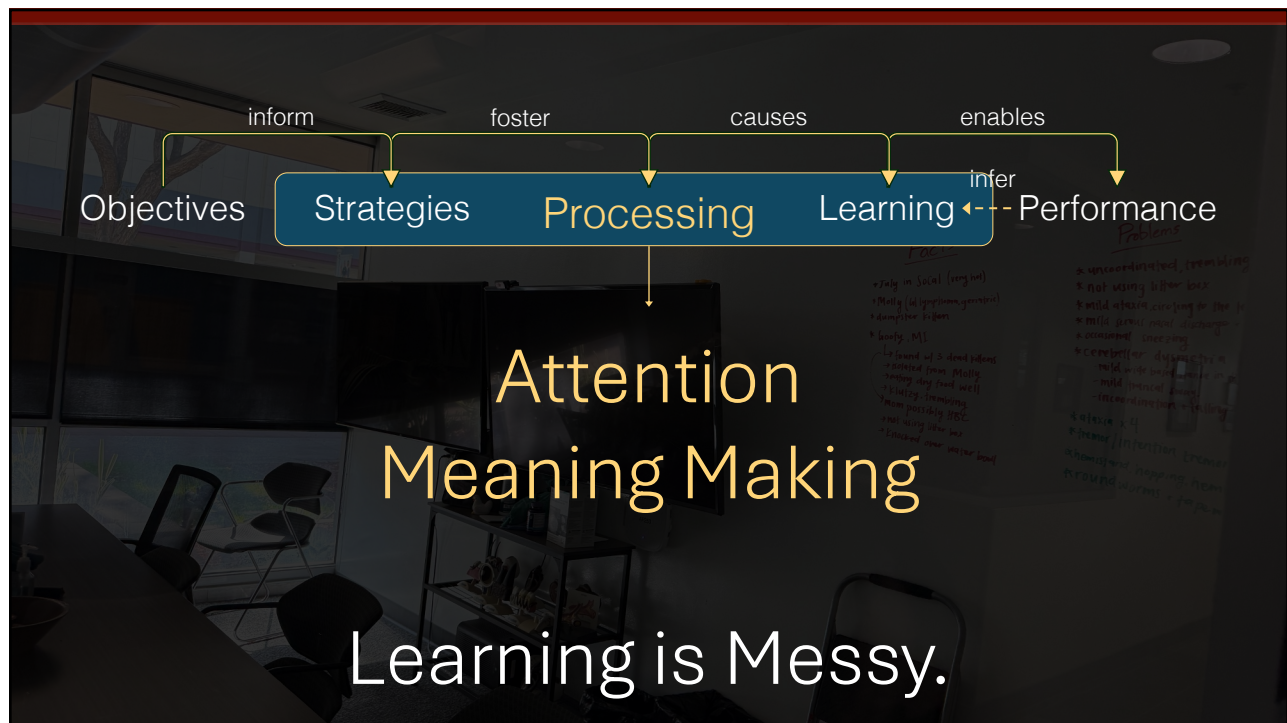
App 5: attending, connecting, generating, applying,
integrating, differentiating, and organizing... } processing
celebrate what you don't know and you'll learn it.

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What are 2 things from the
“meaning” section that you found
useful, interesting, or confusing:?



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A Synthesis

List three ideas, concepts, or conclusions that you think are worth remembering.

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