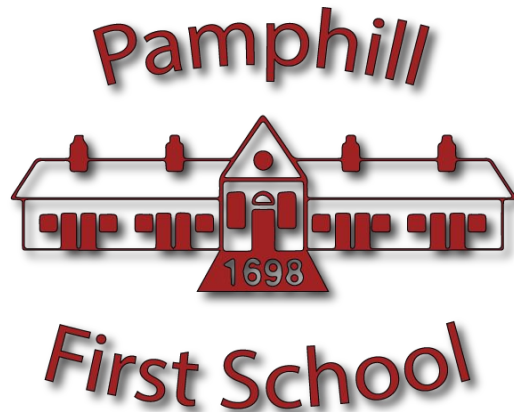
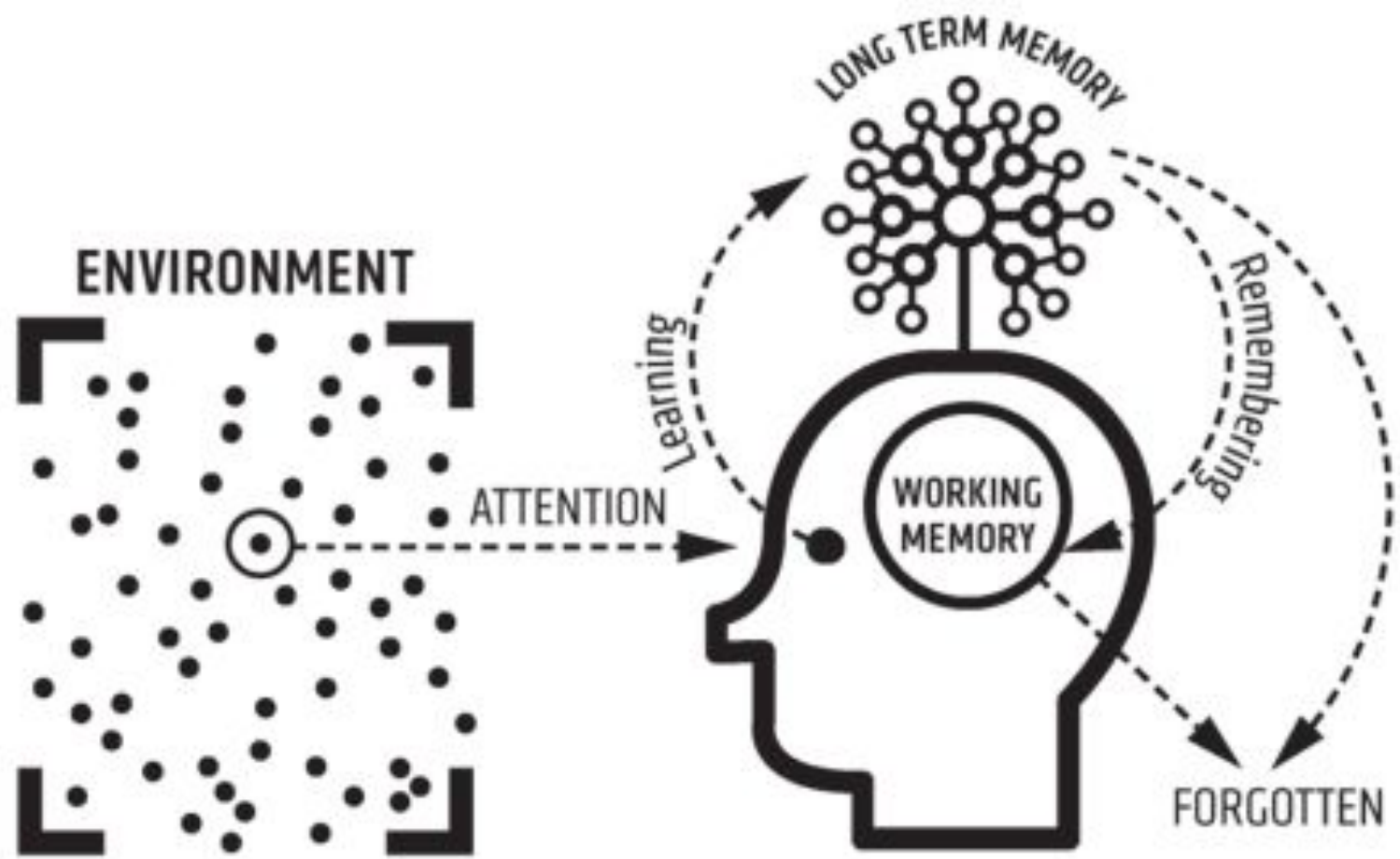
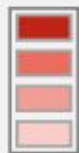
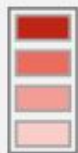
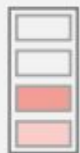


Cognitive Load and Learning Theory

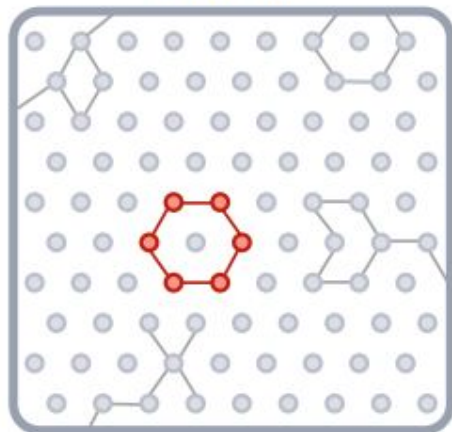




WM
meter

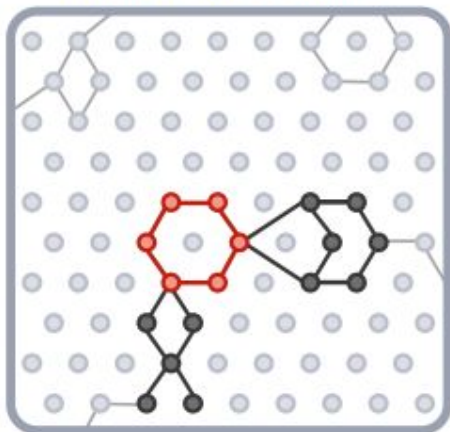


KNOW



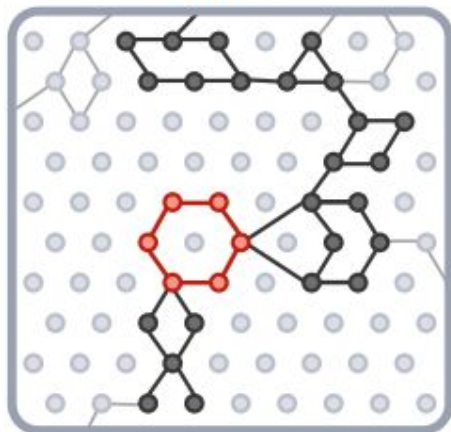
- ✓ Reduce distractions
 - ✓ Focus attention (CLT)
 - ✓ Introduce separately
- BUILDING BLOCKS

UNDERSTAND



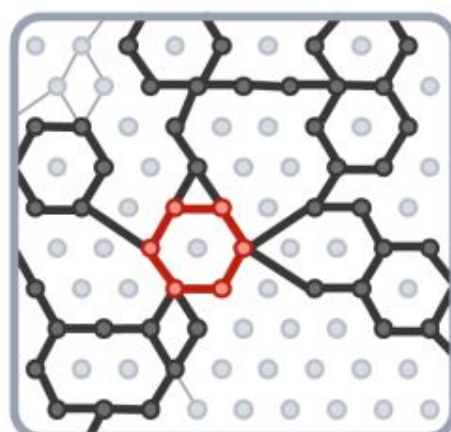
- ✓ Explanation, Examples
 - ✓ Models, Analogies
 - ✓ Images and illustrations
- ORGANIZATION

USE



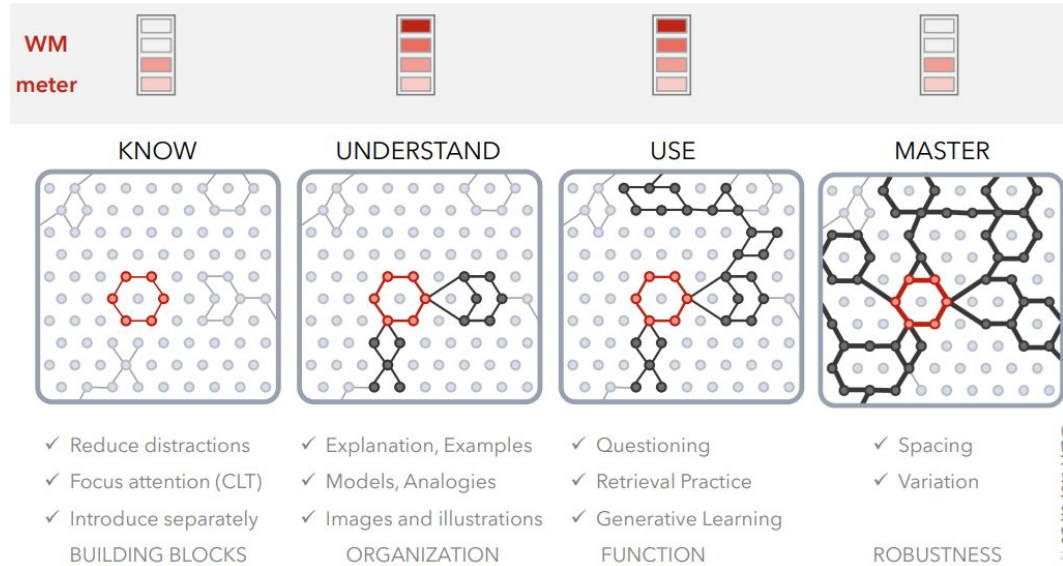
- ✓ Questioning
 - ✓ Retrieval Practice
 - ✓ Generative Learning
- FUNCTION

MASTER



- ✓ Spacing
 - ✓ Variation
- ROBUSTNESS

A Reading Example



- a
- cap, man, bat
- The man is wearing a cap.
- The man is wearing a cap low to cover his face.
- The man is wearing a cap low to cover his face.

Quick Challenge!

What is the percentage of words a reader should know in a text to ensure reading comprehension?

50% 55% 60% 65% 70%

75% 80% 85% 90% 95%

75% of words understood...

_____ is marking a _____ on a measuring
_____. This involves _____ the
relationship between _____ of a measuring
_____ and _____ or _____, which
must be _____. For example, placing a
_____ in melting ice to see whether it reads
zero, to check it has been _____ correctly.

95% of words understood

██████████ is marking a scale on a measuring instrument. This involves establishing the relationship between indications of a measuring instrument and standard or reference values, which must be applied. For example, placing a thermometer in melting ice to see whether it reads zero, to check it has been ██████████ correctly.

Calibration is marking a scale on a measuring instrument. This involves establishing the relationship between indications of a measuring instrument and standard or reference values, which must be applied. For example, placing a thermometer in melting ice to see whether it reads zero, to check it has been calibrated correctly.