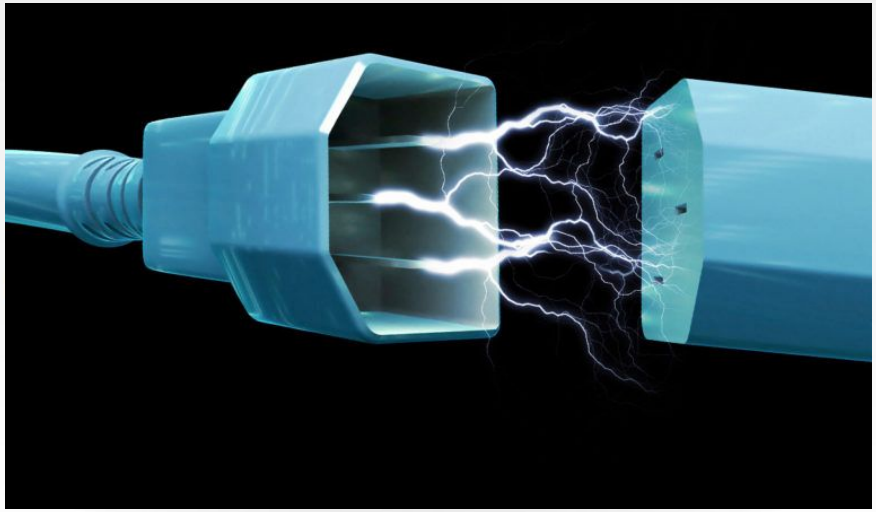


Learning is a Connection Project

A Moonshot Talk with Liz Remington

Acknowledgments:

There is nothing that a little bit of science can't help

Dr. David Kilpatrick

Dr. Kate Cain

Dr. Jane Oakhill

Dr. Susan Smart

David Sousa

Dr.Robert Brooks

Dr. Stanislas Dehaene

Dr. Maryanne Wolf

Dr. Rita Carter

Dr. Russell Barkley

Pat Wolf

Dr.Tracy Alloway

Dr.John Medina

How do we create a learner centered connected classroom that focuses on making meaning?

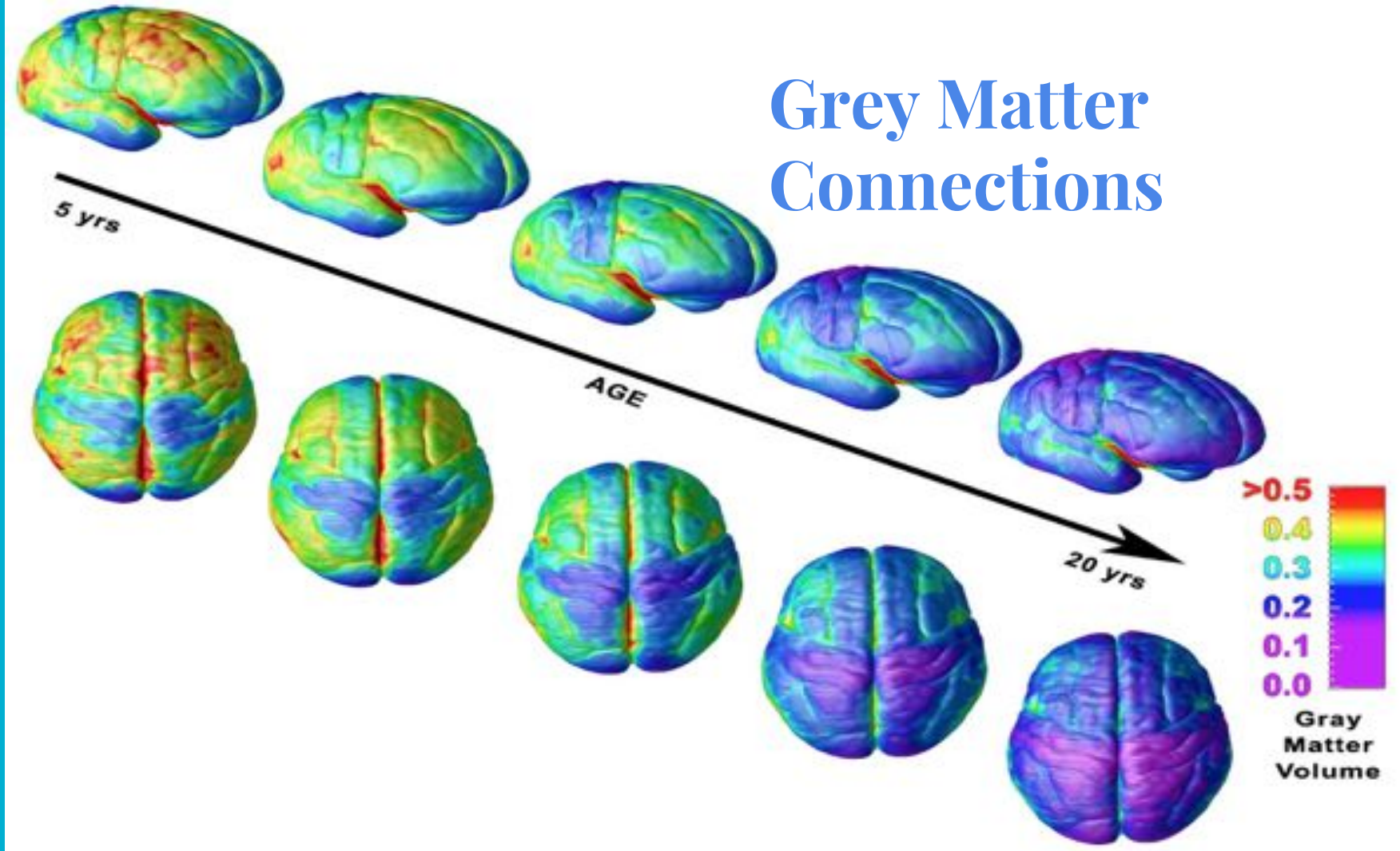
Turn -N- Talk

Executive State
Prefrontal Lobes

Emotional State
Limbic System

Survival State
Brain Stem

Grey Matter Connections



ATTENTION

ENVIRONMENT

4 "E"s

EXISTENCE

EMOTION

EXPERIENCE

EFFICIENCY

5%

95%

WORKING MEMORY

LONG TERM MEMORY

LEARNING

RETRIEVAL

OUTPUT

DISCARDED

www.TheLearningAlliance.org

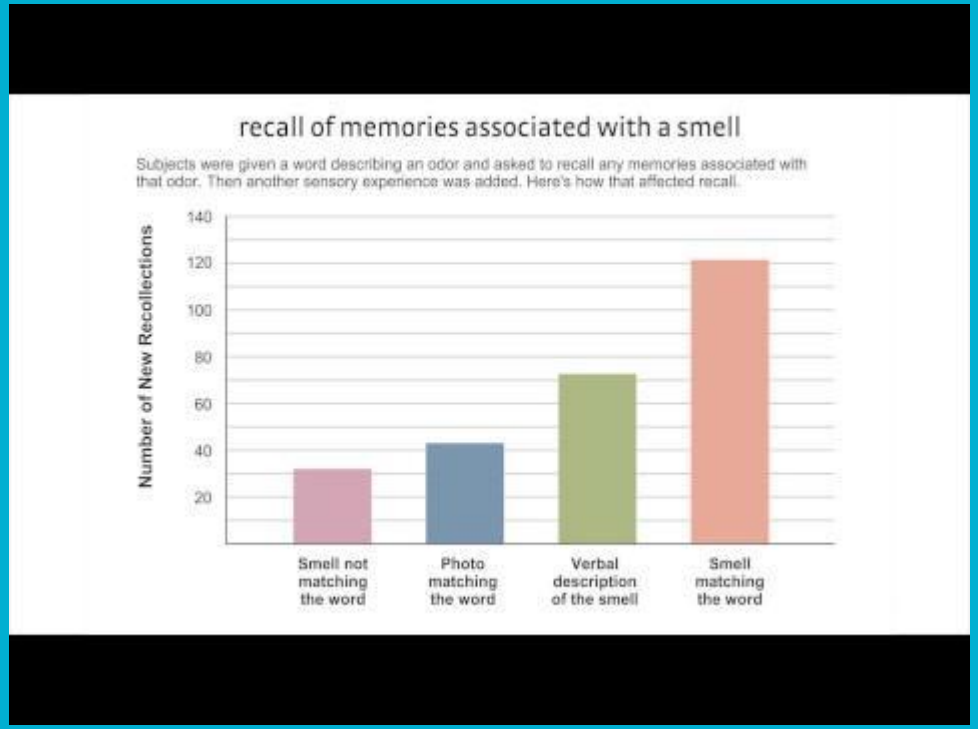
Our Senses

As touch, taste, sight, smell and hearing boarded the charter flight for Havana, Professor Nicholson knew in his heart that he had lost more than just good friends. In fact, he had finally lost his senses.

Multi-sensory learning is the deliberate use of our visual, auditory, tactile, and kinetic pathways to ensure correct and automatic encoding and then retrieval of information.

- John Medina

Learning linked to our senses



4'E's

Existence - wired to survive. Need an environment that is safe supportive and challenging

Emotion - Emotions as an invisible rudder driving the meaning making of learning. Learning is relationship driven.

Experience - connect-reflect-make meaning

Efficacy - if we don't use it we lose it. Teach for transfer

95% Discarded

If there is no meaningful reason for information to be retained then it is discarded

Too much to fast won't last- we race to cover curriculum but we are not learning

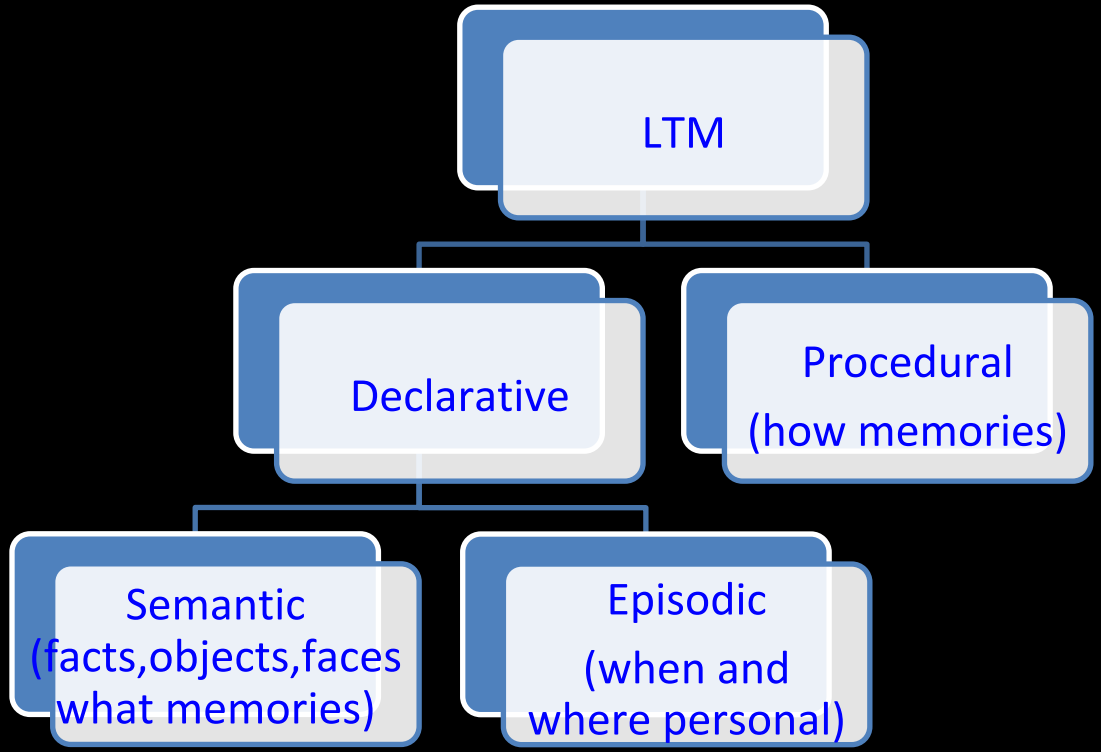
Why?

Working Memory

The table space where conscious processing and learning happens

How important is Memory?

Long Term Memory



OUTPUT

What do we want students to know and be able to do?

How do we design learning experiences to support output?

Layered Approach to Literacy and Learning

SEE IT

SAY IT

BE IT

FEEL IT

Building Community: Meaning Making Machines

www.TheLearningAlliance.org

“Tell me and I forget. Teach me and I remember. Involve me and I learn.”
– Benjamin Franklin