

## How the brain works

Mr Khan



#### **DID YOU KNOW?**



The structure of your brain changes every time you learn something new.



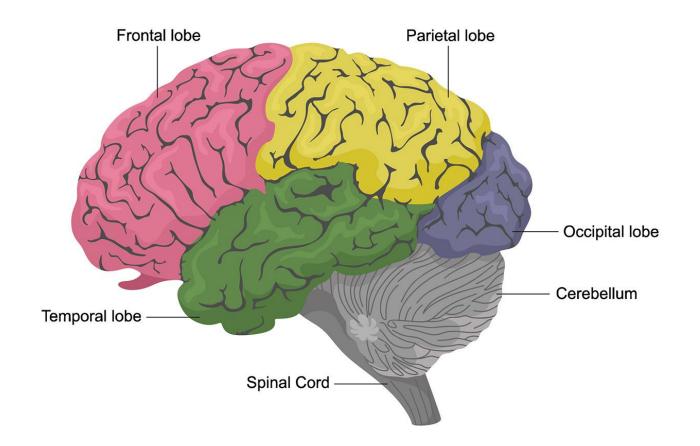
# What is **LEARNing**?

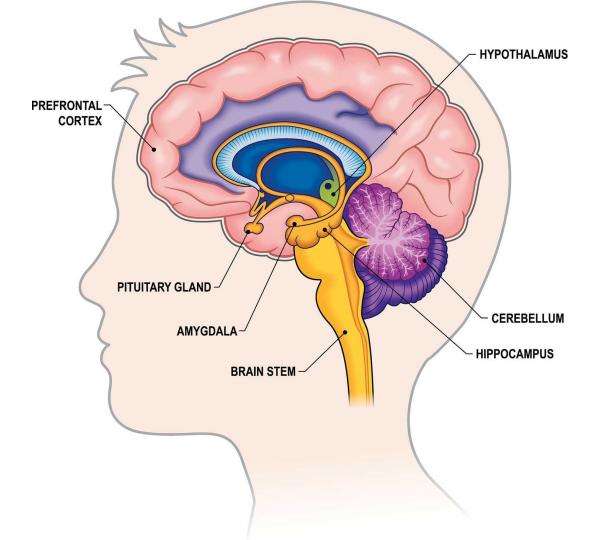


## What is Learning?

The process of acquiring new understanding, knowledge, behaviours, skills, values, attitudes, and preferences.

#### **Human Brain Anatomy**



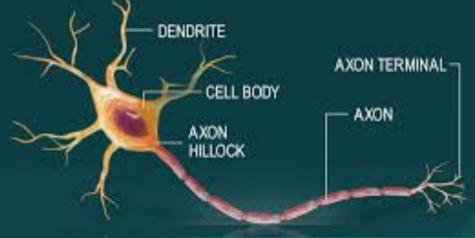




#### Hippocampus

A curved seahorse-shaped organ on the underside of each temporal lobe, the hippocampus is part of a larger structure called the hippocampal formation. It supports memory, learning, navigation and perception of space. It receives information from the cerebral cortex.





#### NEURON STRUCTURE

www.visiblebody.com



## Neuroscience of Learning

### **Attention & Memory**



EVER TRIED. **EVER FAILED.** NO MATTER. TRY AGAIN. FAIL AGAIN. FAIL BETTER.

SAMUEL BECKETT



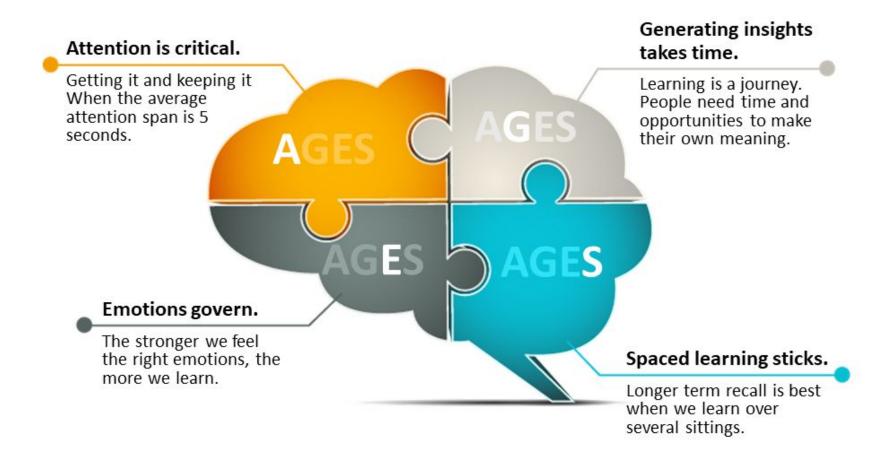
MOTIVATION, FAILURE & LEARNING





#### **Conditions of Learning**

- 1. Physical
- 2. Cognitive
- 3. Emotional



Source: "Your Brain on Learning." CLO Magazine. Apr-2015, quoting research from NYU.

## Learning never exhausts the mind.

Leonardo da Vinci



## THANK YOU