

Brain Book 2019 Overview

Instructions: During this summer, you will have the opportunity to explore one of the foundational elements of psychology: the human brain. This assignment requires you to become familiar with the brain, its functions, its structures, and its role in shaping human behavior. To accomplish this, you will explore online videos, readings, and interactive online models to gain a basic understanding of the brain and how it functions. All videos and readings can be found on Mr. Bonica's Website: TuHsPsych.weebly.com.

Due Date and Assessment: You should have your Brain Book completed by the first day of class.

Key Terms and Brain Structures to Know

Key Terms

Localization of Function

Brain Plasticity

Pruning

MRI & fMRI

Brain Structures

Neuron

Hippocampus

Amygdala

Striatum

Frontal Lobe

For each of the terms and Brain Structures, you are to create a page in the "Brain Book" that will serve as a reference tool throughout the upcoming school year. Each Term/Structure should include the following elements. See the page below for an example.

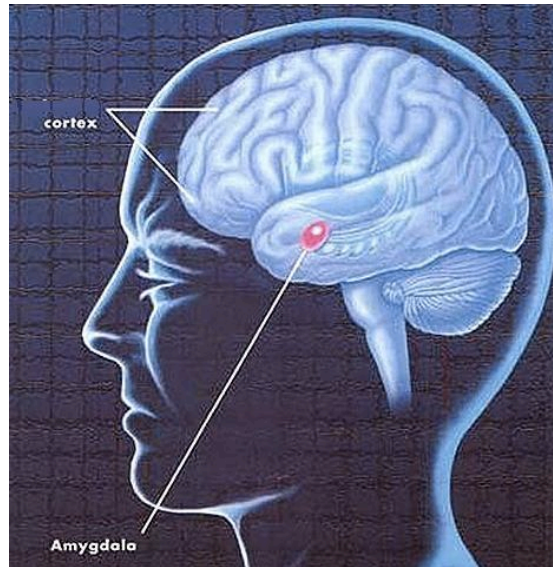
1. A definition or explanation of the role it plays in the body
2. A simile/metaphor for that term.
3. A representative image that will assist you better understand the term/structure.

Note: The "Brain Book" can be made on paper or using any online/digital resource you would like.

Sample Brain Book Page: The Amygdala

Definition:

The amygdala is the small area in the brain that is responsible for the fight or flight response in the brain. When you feel threatened, it becomes active and helps send you into action.



Metaphor/Simile Comparison:

The Amygdala is like a fire alarm because when it detects danger it becomes very active and can motivate you to take action. When it is active, it is also very hard to focus on other things.

