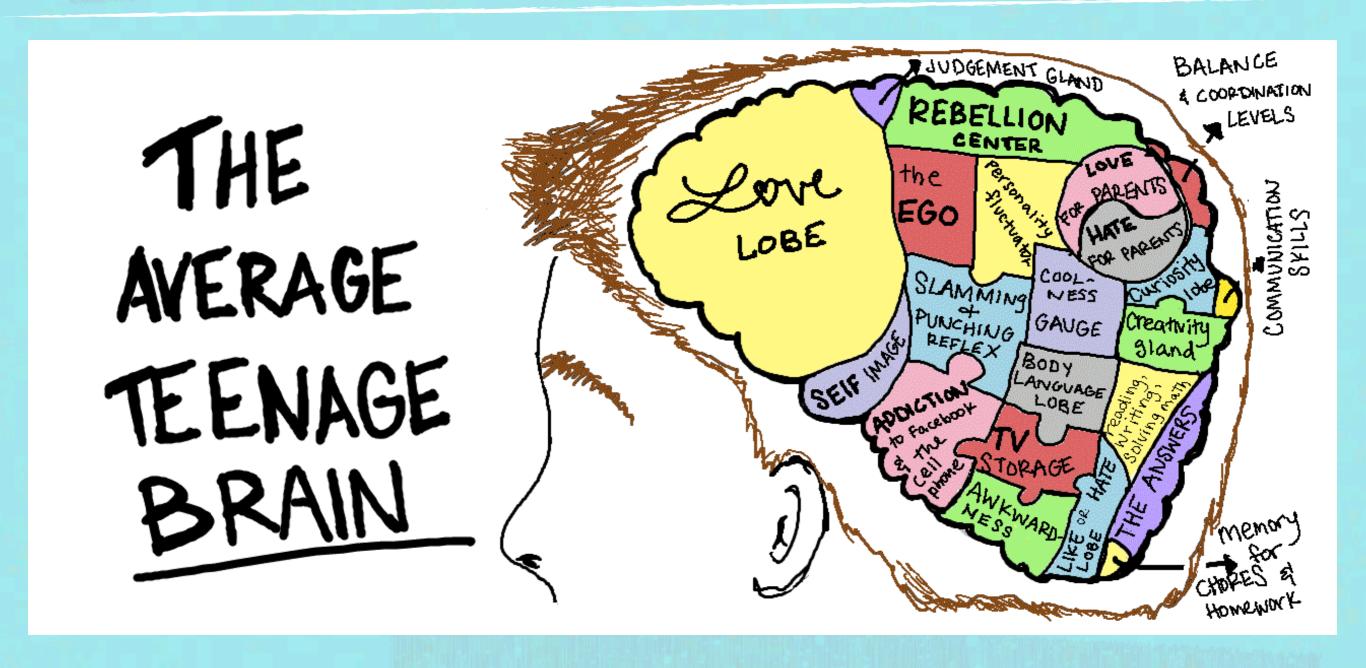
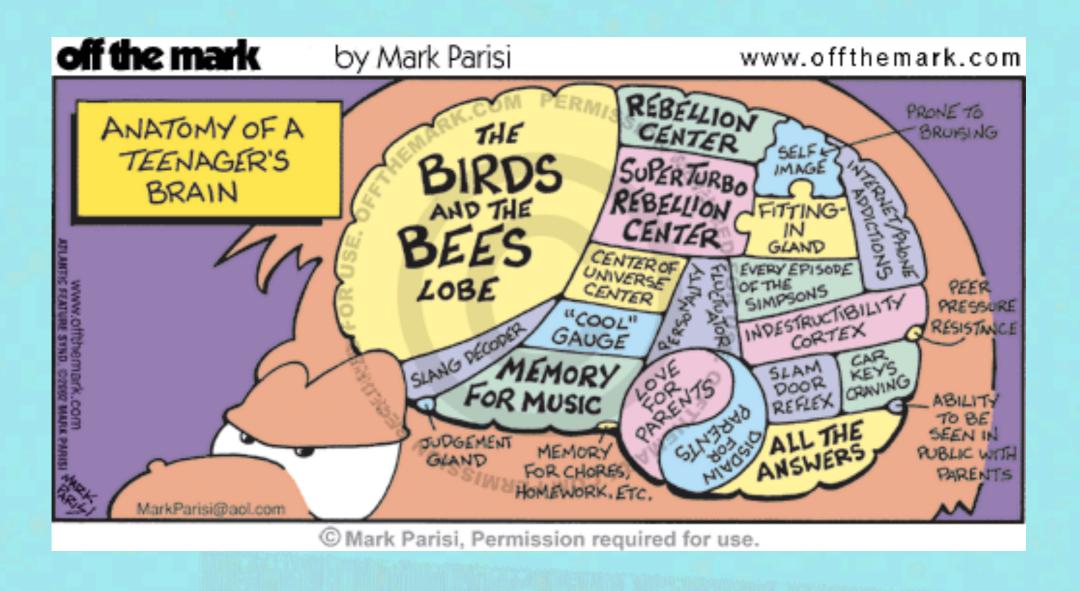


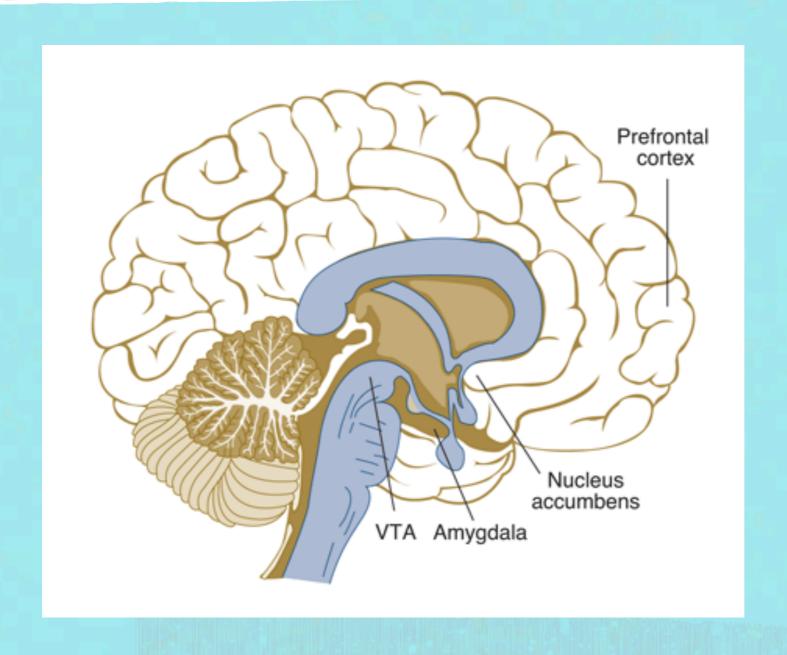


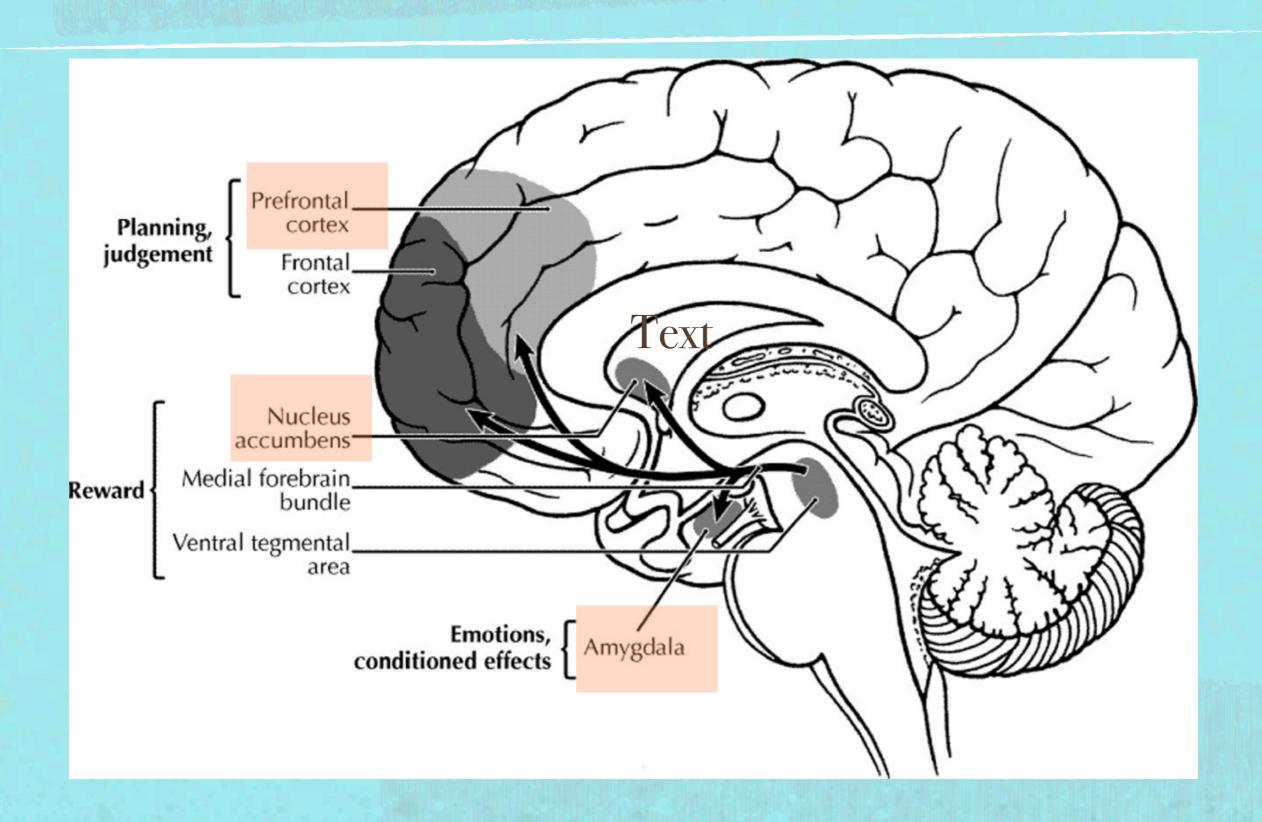
Tania Choi MFC 52591 408 468 8086 www.taniachoi.com

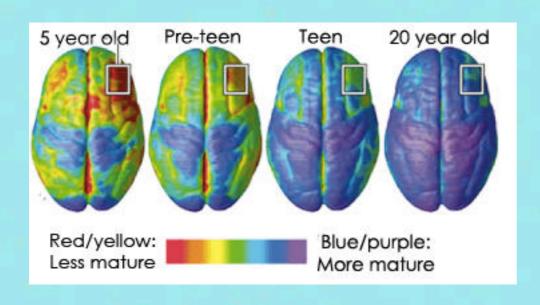
What are your goals for being here?









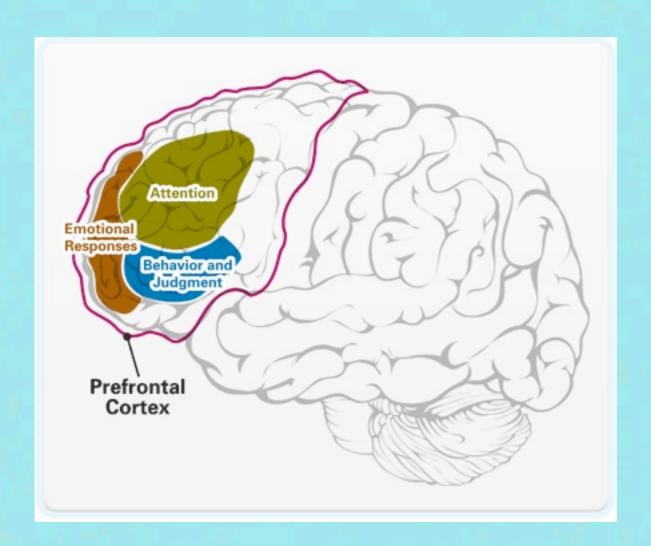


The Teenage Brain
Goes through the
highest level of pruning
Adult: succinct circuitry

Teen: lots of wires not

sorted out.

Pre-Frontal Cortex



"With an underdeveloped PFC, it is not uncommon where we see teens know the rules but not know how to use the rules."

Prefrontal Cortex:

- Slowest part of the brain to develop
- Executive functioning
- Emotional Responses
- Part of the brain that learns empathy (teens learn it through socializing)
- Insight development
- Ability to Play it forward

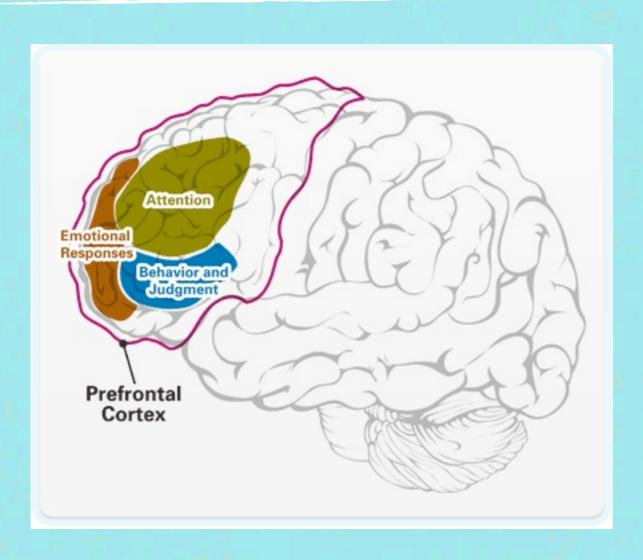
With Adults:

It connects to the amygdala

With Teens:

Exist disconnected from the amygdala

Working with the PFC



What does it mean for you:

- Teens are non insight oriented clients
- Experiential vs. Lecture based learning (due to an overactive amygdala and an underdeveloped PFC)
- **Empathy** isn't learned via insight, it's conditioned socially.
- Play out cause -effect -- the exercise for the PFC.

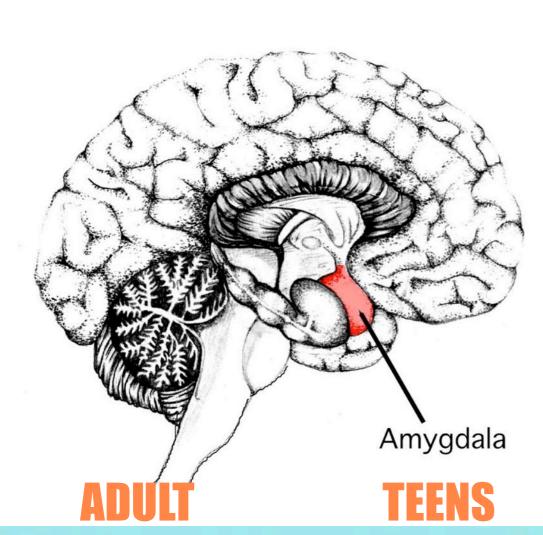
Example of Amygdala working Separately from Pre-frontal cortex

- 2 cases
- driving
- girl vomiting

Pre-Frontal Cortex



Amygdala



Amygdala

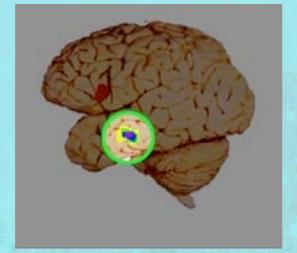
- Reptilian Brain: amygdala, + hypothalamus + hippocampus,
- Houses emotional reactions to stimuli.
- Fight Flight Freeze
- Primed for danger

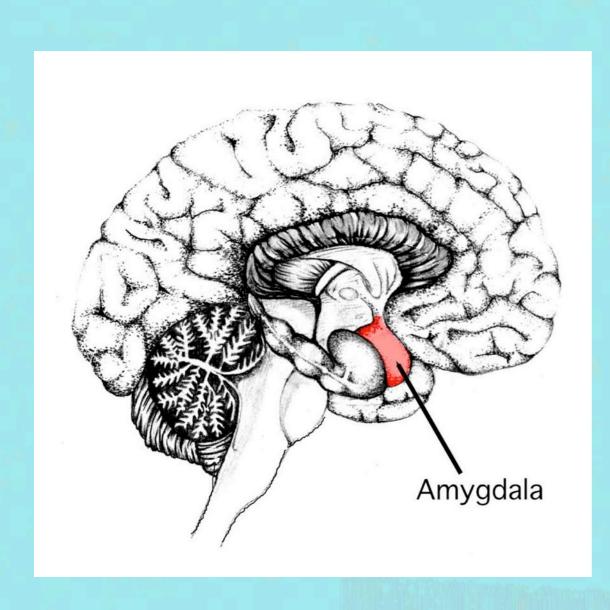
What is responsible for the "hijacking the brain"

Teen amygdala: react disproportionately greater reactivity to stimuli -- inability to delay or suppress reaction.

Detects danger when it is not there



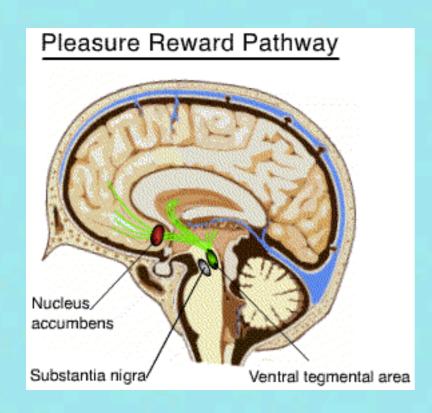




What does it mean for you:

- We cannot have 2 amygdala's talking
- When we yell at our kids their whole left brain shuts down.
- Calming an amygdala means calming them somatically
- Educating them on their brain

Nucleaus Accumbens

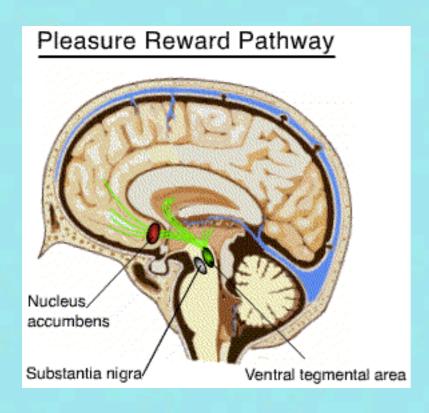


"If adolescence is time where the reward center is the highest developed -- we should be leveraging that as a motivational force."

Nucleaus Accumbens

- Pleasure Reward Center
- Fastest part of the brain to grow during puberty.
- That + underdeveloped PFC= Makes them more vulnerable to risky behavior.
- Extroverts have a more sensitive Nucleaus Accumbens than Introverts
- Extroverts: Understimulated easily riskier behavior to get a hit
- Introverts: overstimulated easily

Nucleaus Accumbens



"If adolescence is time where the reward center is the highest developed -- we should be leveraging that as a motivational force."

Nucleaus Accumbens

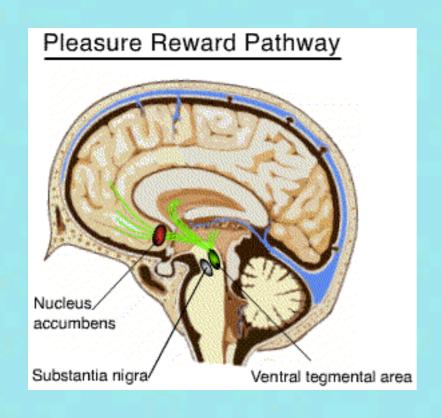
- Teenagers experience a higher level of dopamine levels than adults
- The anticipation of pleasure activates the NA and makes it Buzz: not the money but the anticipation of money
- They experience pleasure more intensely than adults
- Unable to delay gratification

Gratification is at the heart of an adolescent's impulsivity. Adolescent's who engage in risky behavior and who have never experienced negative consequences are more likely to keep repeating reckless behavior in search of reward.

Pleasure center: we set consequences to mitigate the rewards and pleasure they get by making the decisions they make.

The chief predictor of adolescent behavior is not the perception of risk, but the anticipation of reward despite the risk.

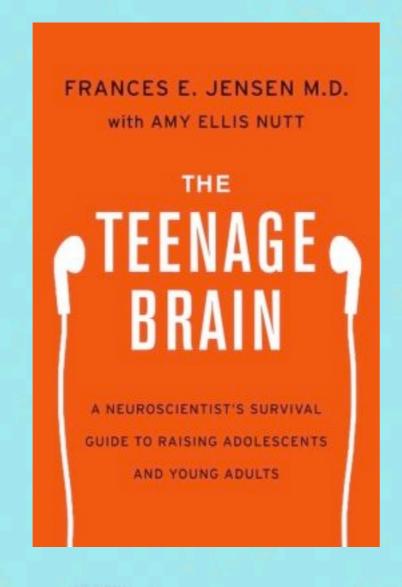
Nucleaus Accumbens



"Alright i"Ill brush my teeth, you're lucky you bring me comfort!"

Are we being a reward?
Crafting pleasures
Crafting logical reality based consequences.

Q & Answers





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