

# PEDAGOGY & CLASSROOM MANAGEMENT 101

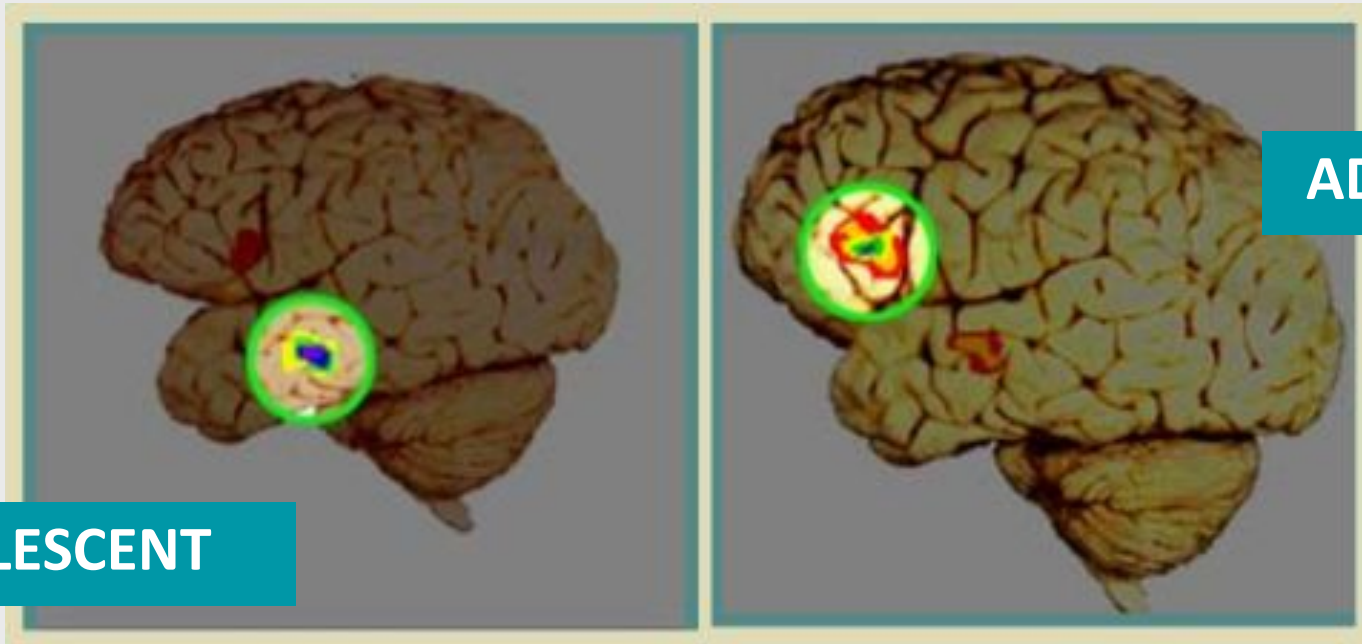
Bay Region Dual Enrollment Professional Development

Cabrillo College April 12, 2019

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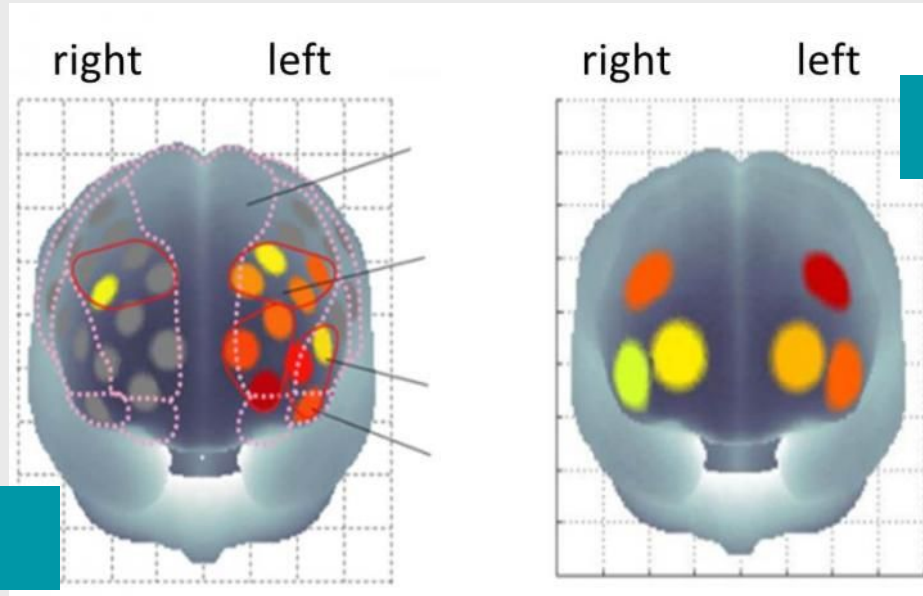
# Name that brain - Adult or Adolescent



Frontline 2002

## Processing Emotions

# Name that brain - Adult or Adolescent



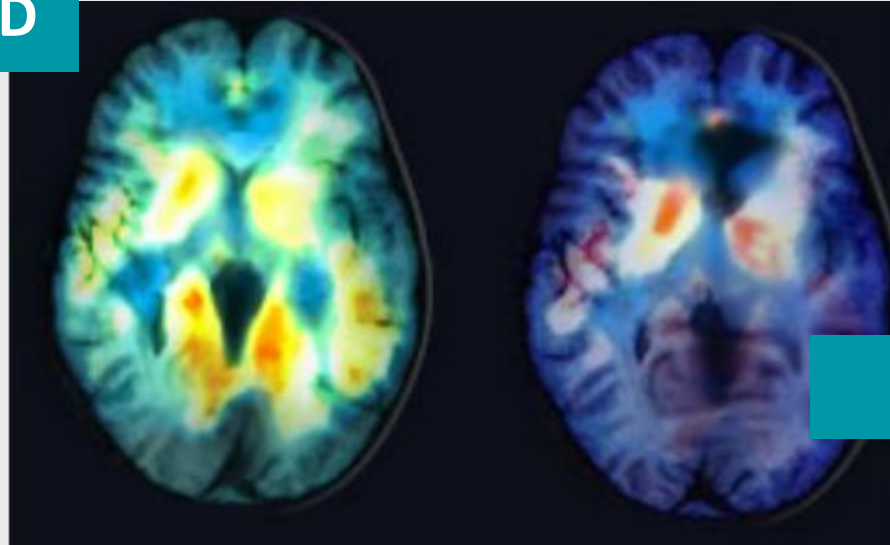
Science Daily

## Processing Emotions

# Name that brain - Adult or Adolescent

They are both ADOLESCENT

NOT DEPRESSED



DEPRESSED

Response to Stimuli

# Name that brain - Adult or Adolescent



**ADULT**

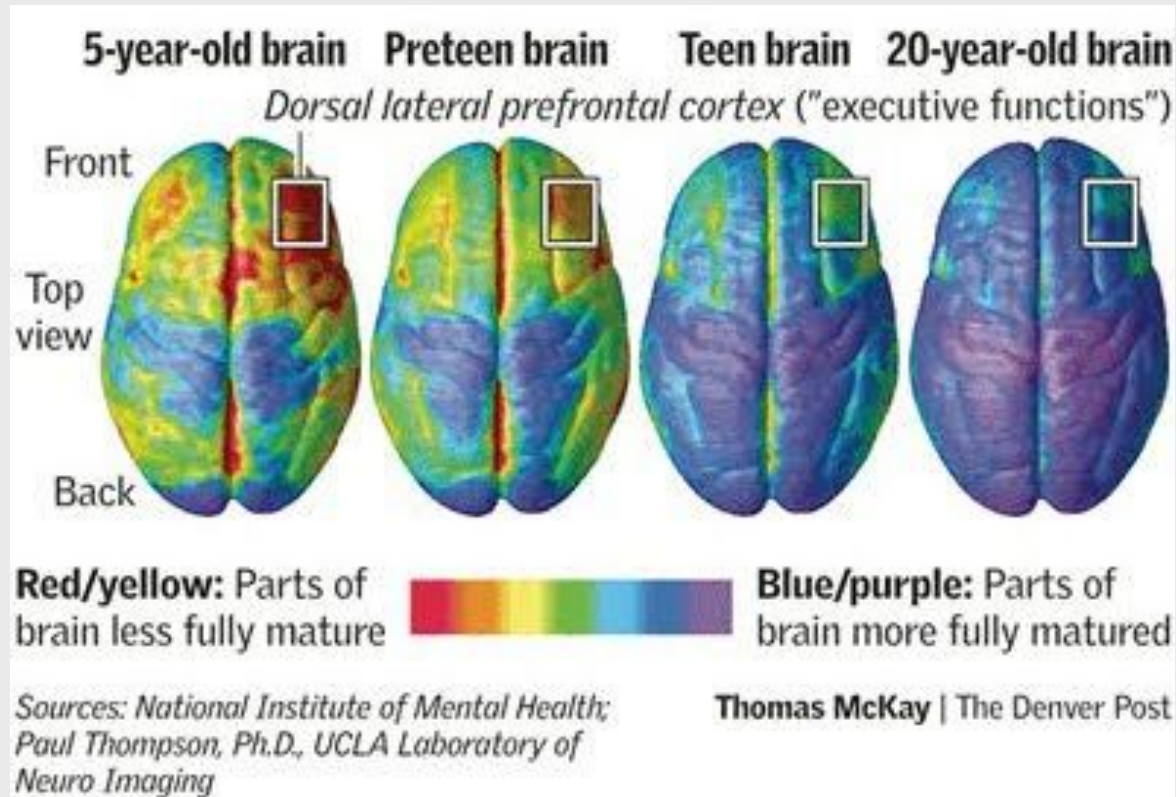
**ADOLESCENT**

IFLScience

## Activity While Learning



# Exploring the Adolescent Brain



# Emotion Drives Attention; Attention Drives Learning



**AMYGDALA**

Frontline 2002

## Hardwiring the Brain

“...if teens are doing music and sports and academics, that’s how brains will be hardwired. If they are doing video games and MTV and lying on the couch, that will be how they are hardwired.”

Jay Giedd (UCSD)



## Available Resource

### DUAL ENROLLMENT

# Working with Adolescents —Strategies for Instructors

Five general factors influence brain development – genetics, environmental stimulation, nutrition, steroids, and teratogens. Educators can affect one of these in particular: **environmental stimulation**.

# The Adolescent Brain - How the brain learns best

**Experiential learning**

**Problem-solving & decision-making**

**Failing forward**

**Scaffolding**

**Use of Models**

**Physical and other activities**

# Ways to Engage Students

Allow students to...

Choose the topic

Ask the questions  
(design thinking!)

Decide the  
content

Pick the materials  
and resources

Choose the  
strategies

Choose the  
scaffolding

Choose the format

Choose the  
audience

Choose the groups

# Choose Your Own Adventure

Article A: [Teen Engagement in Learning Starts With Respect](#)

Article B: [7 Tips for Better Classroom Management](#)

Decide on an article you'd like to explore and find a partner or partners to read through and discuss.

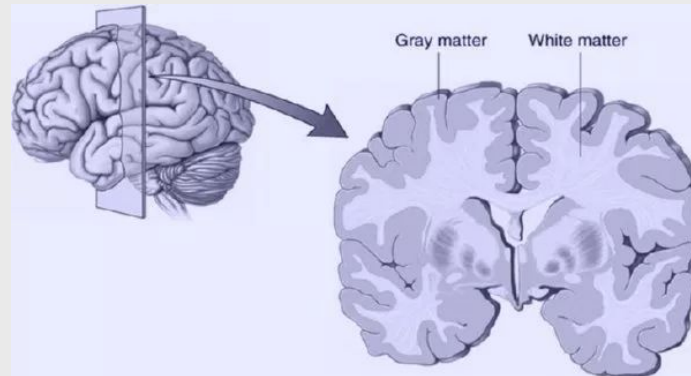
**You have 10 minutes.**

# College Strengthens the Brain - Education Matters

Exposure to new ideas and activities strengthens the structure of the brain and the foundation of cognitive abilities.

College-educated people had...

- longer and more complex dendrites than their less educated peers, a feature that is thought to be a critical underpinning of intelligence.
- less gray matter volume loss.
- higher activation levels in areas of the brain associated with working memory.
- brains that were both more efficient and more resilient.



pubmed.gov

# Session Reflection

What is something new from this session you'd like to consider?  
How do you think this can influence your instruction?

## YOU CHOOSE

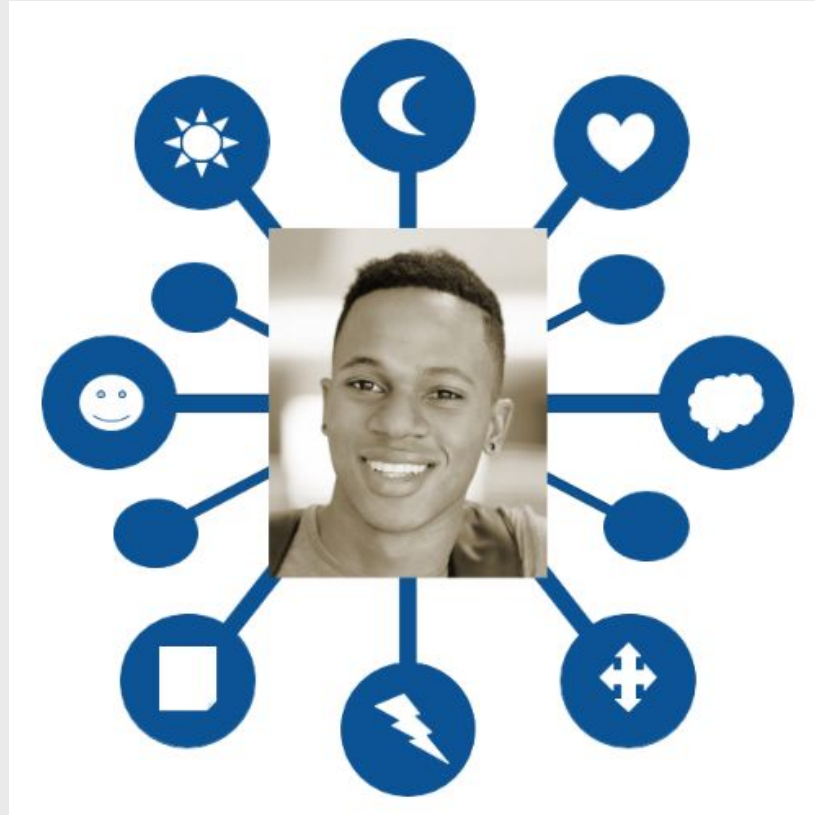
Individual reflection

Pair Share



kqed.org

# Classroom Management - Holistic Approach



# Table Topic Team Time: Instructions

20  
min

## Table Discussion

Using the topic prompts, engage in a discussion about your practice and thoughts. Explore and recommend resources.

15  
min

## Poster Making

*How does your topic impact the environment you create in the classroom?*

- Create poster to share information/promising practices
- Post somewhere in the room once complete
- Gallery Walk

5 min

## Activity Wrap-Up

Syllabus

Grades/Grading

Instructor Contact

Maintaining Rigor

Staying Focused

College Resources/Tools