Bay Region Dual Enrollment Professional Development
Cabrillo College April 12, 2019
Amal Amanda Issa
Senior Program Manager
Career Ladders Project
Name that brain - Adult or Adolescent

Processing Emotions

CLP Career Ladders Project

Pedagogy & Classroom Management 101
Name that brain - Adult or Adolescent

Processing Emotions

Science Daily
Name that brain - Adult or Adolescent

- They are both ADOLESCENT
- NOT DEPRESSED
- DEPRESSED

Response to Stimuli
Name that brain - Adult or Adolescent

Activity While Learning

ADULT

ADOLESCENT
Exploring the Adolescent Brain
Emotion Drives Attention; Attention Drives Learning
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

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

**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*. 

---

**CLP**  
Career Ladders Project
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...

<table>
<thead>
<tr>
<th>Choose the topic</th>
<th>Ask the questions (design thinking!)</th>
<th>Decide the content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick the materials and resources</td>
<td>Choose the strategies</td>
<td>Choose the scaffolding</td>
</tr>
<tr>
<td>Choose the format</td>
<td>Choose the audience</td>
<td>Choose the groups</td>
</tr>
</tbody>
</table>
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.
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

<table>
<thead>
<tr>
<th>Individual reflection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pair Share</td>
</tr>
</tbody>
</table>

Meaningful Reflection
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

Pedagogy & Classroom Management 101