

De Anza College

8th Annual Partners in Learning Conference

Increasing Student Success & Completion Through Instruction - Intrinsic Student Engagement



Presentation by Diego Navarro, ACE founder, instructor, director



@myACEorg
#ACEaw1



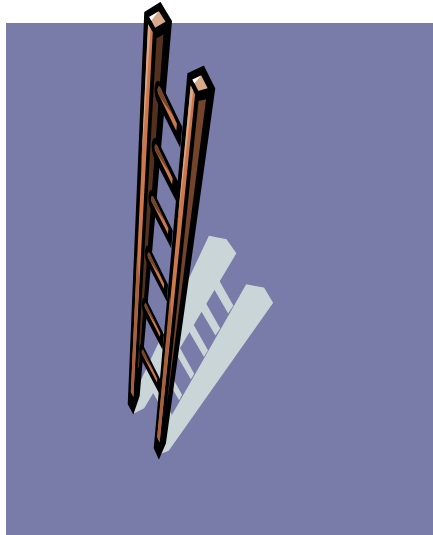
/myACEorg



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Ladder of Learning



- 4 Expert / Mentor / Authority**
- 3 Reliable Action**
- 2 Action / Behavior Change**
- 1 Insight**
- 0 Fast Past Matching**

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Agenda – Questions we'll answer today



- 1. What is the problem we are addressing?**
2. What is the evidence of academic outcomes for intrinsic engagement?
3. What is the ACE Intrinsic Engagement and Support Model?
4. What is the root cause of the problem we are trying to address?

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Many Remedial Students Do Not Complete Their Courses



60% of entering students are assessed below college-level in English or math



More than 60% never complete developmental English

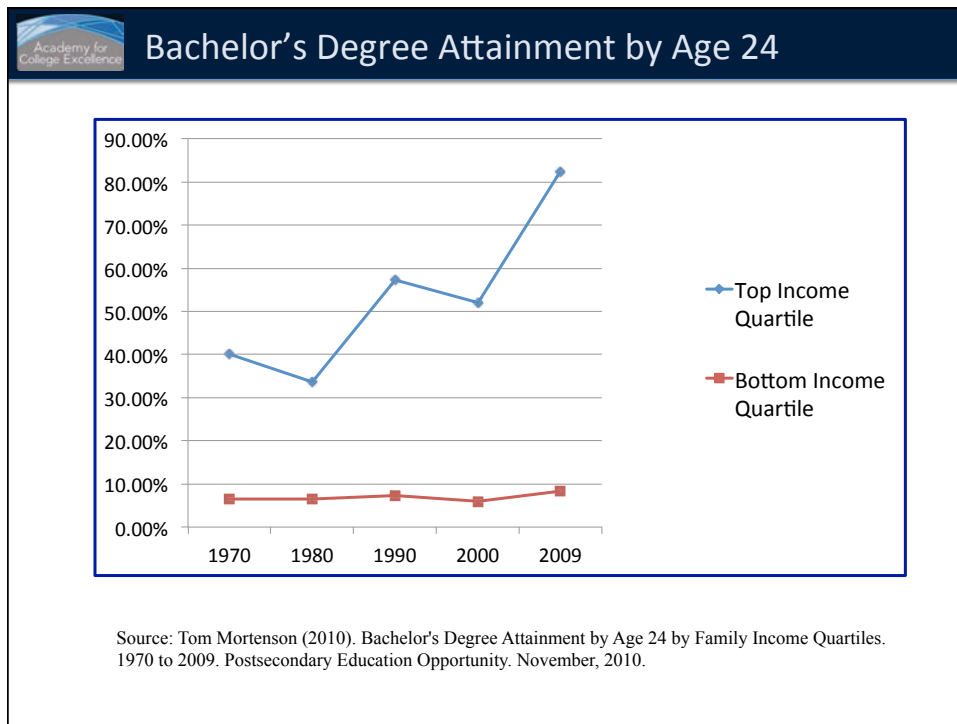


More than 80% never complete developmental Math



Nearly 50% of entering students drop out before their second year.

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4 College Longitudinal Study of 658 Students Demographics

ACE students from Cabrillo College, Hartnell College, Berkeley City College and Los Medanos College*
Fall 2010, Spring 2011, Fall 2011

N		658
African American	12.9%	108
Latino	58.7%	493
Males	59.6%	533
1 level below college-level in English	40.4%	275
2 or more below college-level in English	49.7%	338
2 or more levels below college-level in Math*	85.9%	*from LMC only 55 (n=74)
Mean Age	24	
Completed GED	13.4%	115
No HS Diploma	10.9%	94

Evaluation of the Academy for College Excellence:
Report on Implementation and Student Outcomes

MPR Associates
January 2013

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4 College Longitudinal Study of 658 Students Transfer-Level English Completion

ACE students are more likely to pass Transfer-Level ENGLISH by:

Time Point	Control Group (%)	ACE (%)	% Increase
ONE semester after attending ACE	8.5	23.4	+175%
TWO semesters after attending ACE	16.3	40.5	+148%

Source: MPR Associates January 2013

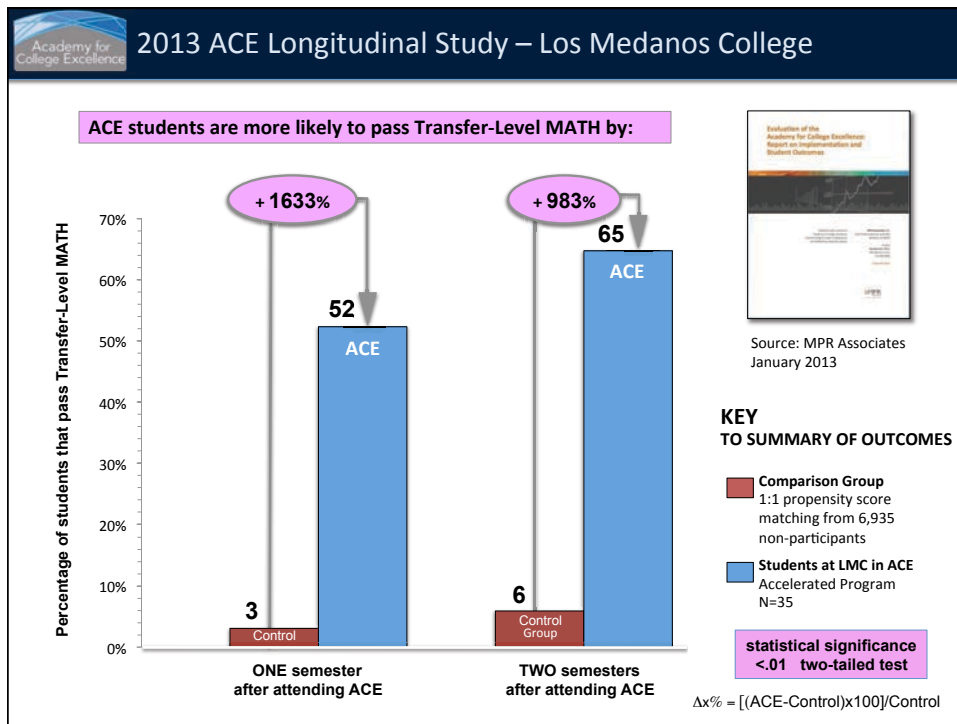
KEY TO SUMMARY OF OUTCOMES

- Comparison Group
1:1 propensity score matching from 123,631 non-participants
- Students in ACE Accelerated Program
n=658

statistical significance <.01 two-tailed test

$\Delta x\% = [(ACE - Control) \times 100] / Control$

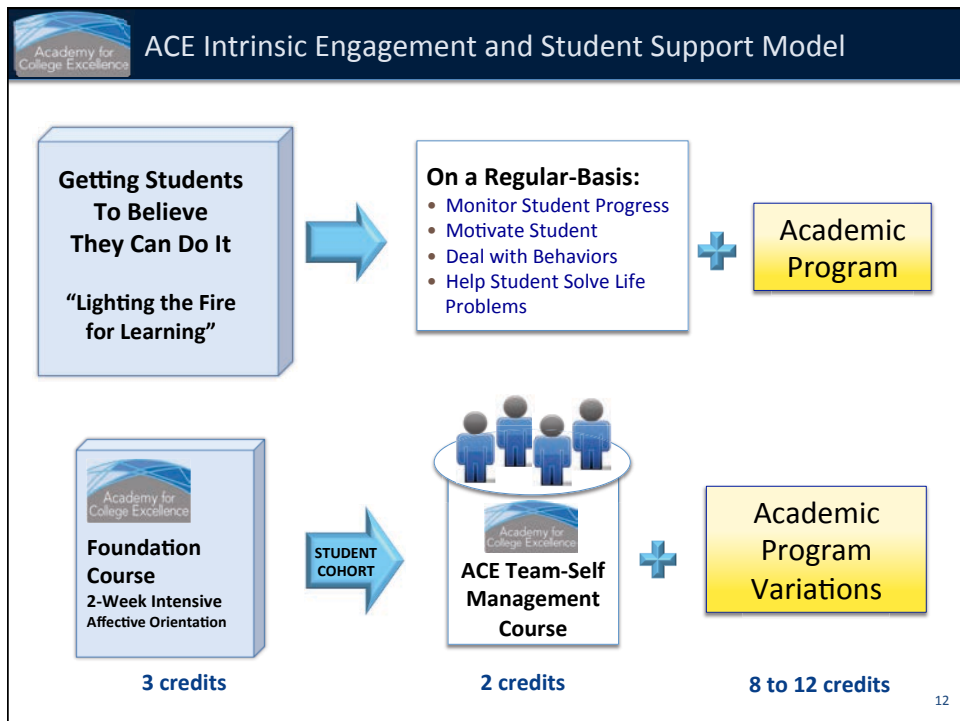
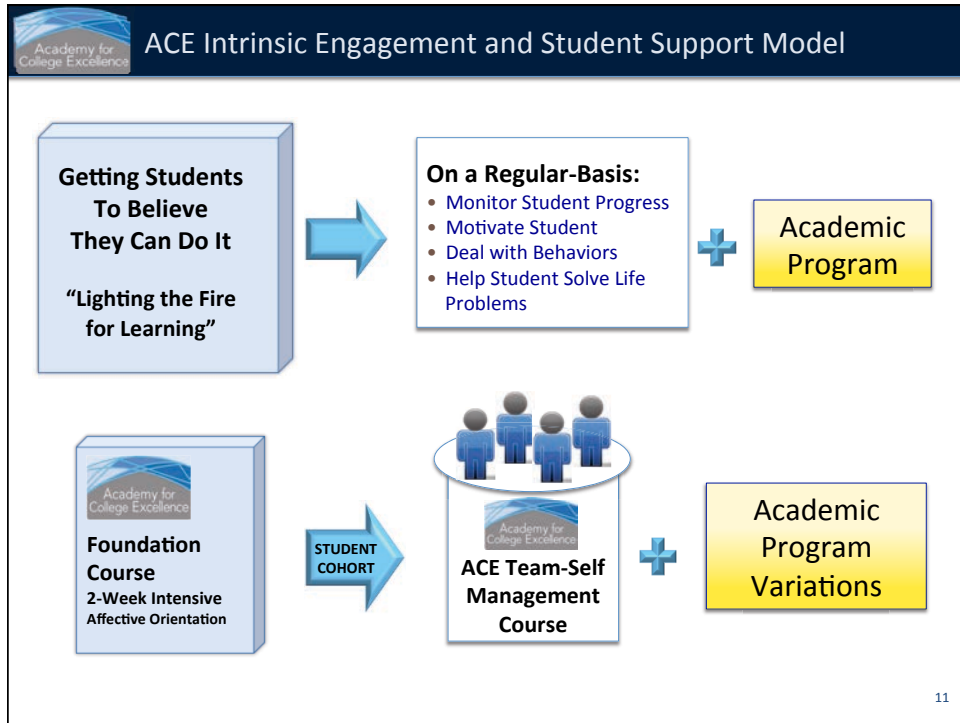
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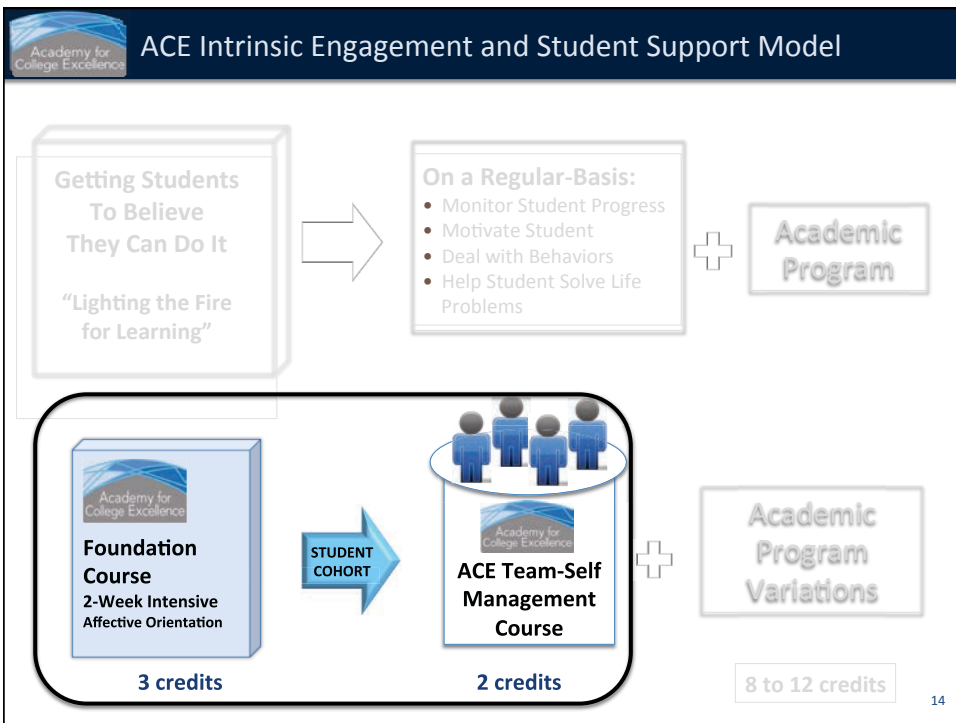


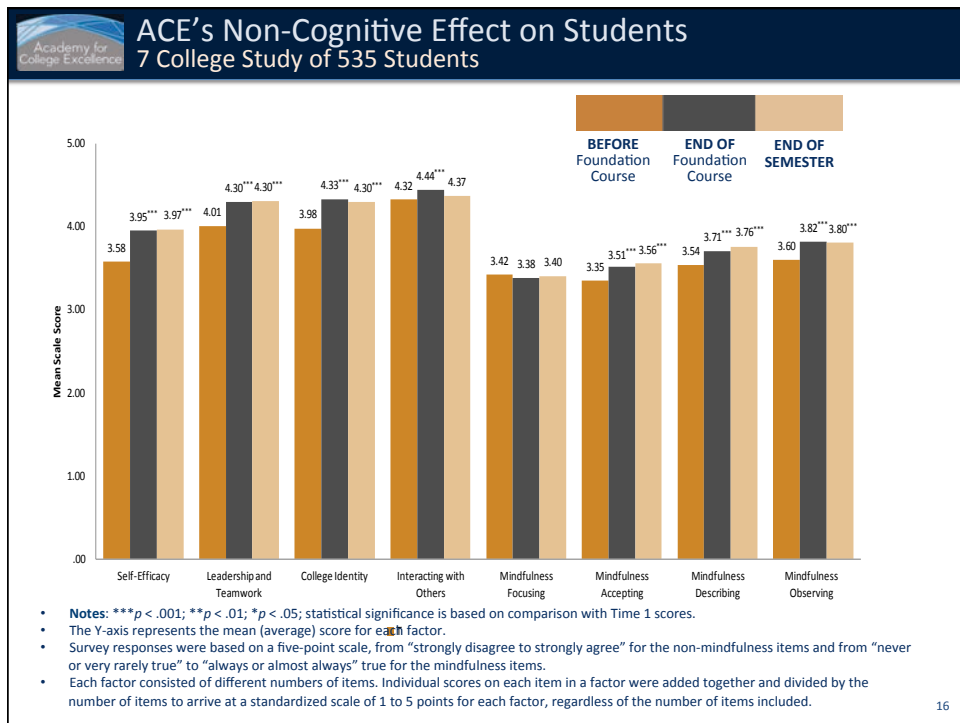
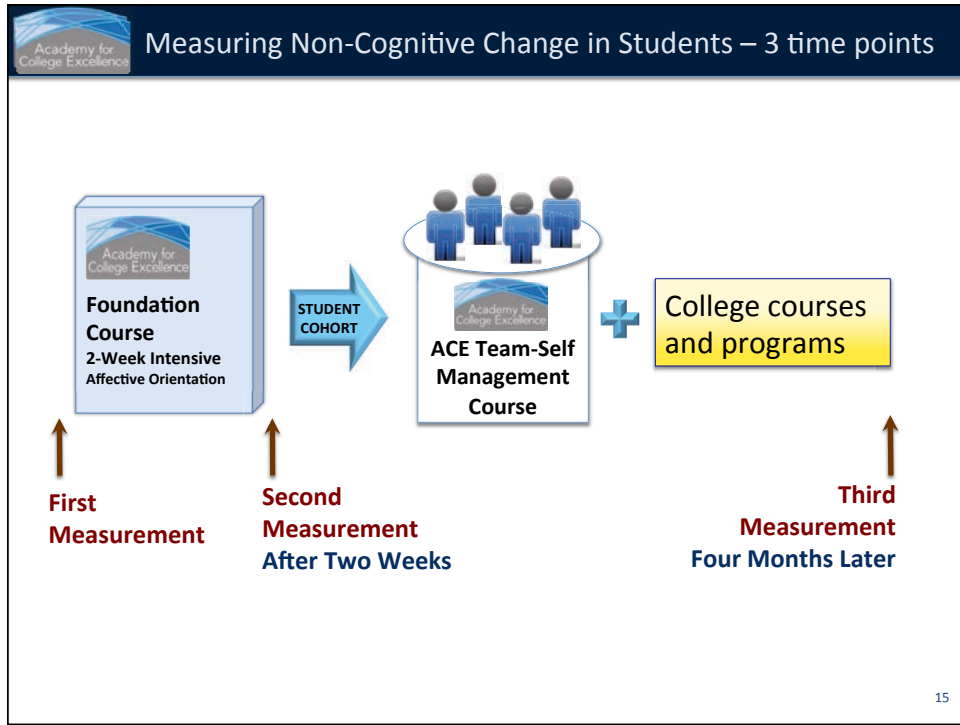
Academy for College Excellence **Relevant & Accelerated Academics**

ACE Social Justice Primary-Research Model

Focus on Strengths:

- PhD in Social Injustice
- Students are Smart – Education needs to be relevant to their lives
- Statistics Acceleration
- English Acceleration
- Critical thinking
- Team Project Requiring Constant Interaction and Responsibility
- Project Grounded in Scientific Method







Quote from a recent faculty graduate (January 2013)

"I finally got it: ACE is about modeling to students how to open up your heart -- not only to each other, but to the growth through higher learning.

Instructors "go first", serve as guides that debunk the grand narration of public education while serving as cultural brokers between the student and the college.

Teaching to the affective domain means helping to open their hearts to each other, to learning, and to the promise of self-improvement."

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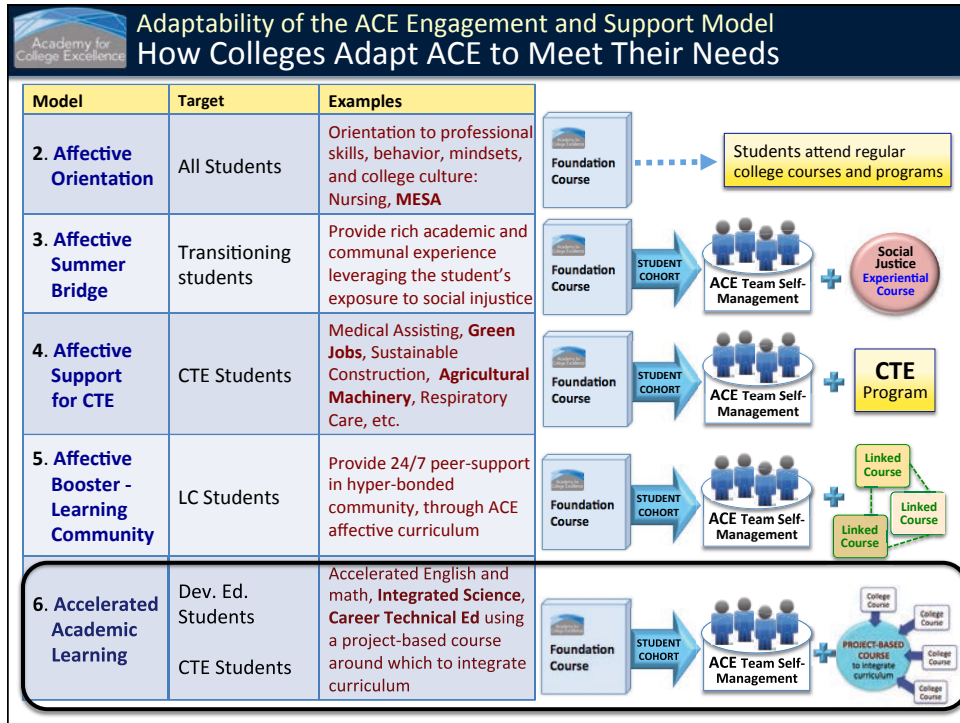


ACE Experiential Learning Institute

Start your path to become an expert at teaching to the affective domain by attending a **Five-day ACE Experiential Learning Institute**



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Children Living in Poverty in the U.S. (from 2010 census data)

Number of children	% of children in each racial/ethnic category living in poverty
6.1 million Latino Children	35.0%
5.0 million African-American Children	39.1%
4.4 million White Children	12.4%

In 2010, 37.3% of poor children were Latino, 30.5% were white and 26.6% were black, according to an analysis of data from the U.S. Census Bureau by the Pew Hispanic Center, a project of the Pew Research Center.

Source: Pew Hispanic Center (2011, September 28). The Toll of the Great Recession: Childhood Poverty Among Hispanics Sets Record, Leads Nation.

Number of Children in Poverty, by Race and Ethnicity, 1976-2010 (in millions)

Notes: Children include all individuals younger than 18. Whites include only non-Hispanic whites. Blacks include both Hispanic and non-Hispanic components of the black population.

Source: U.S. Census Bureau <http://www.census.gov/hhes/www/poverty/data/ncpovhlth/2010/index.html>

PEW RESEARCH CENTER

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Students enter college with varying degrees of vulnerability

Entering students today have different needs than the student populations first served by community colleges

They come to community colleges from a huge range of backgrounds—age, ethnic, educational, and socio-economic.

Students may be dealing with:

- Personal Struggles and Fragmented Families
- Needs of Family
- Vestiges of vigilance and survival in tough situations
- Poverty / Loss of Family Income / Loss of Home
- Working in low-paying jobs and Poor Nutrition, Hunger
- Transportation challenges
- Childcare / Service Agency Appointments
- Unmet Health Challenges
- Violence and Drugs in Neighborhood


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Symptoms of Stress/PTSD

Post Traumatic Stress Disorder

- Hyper-arousal
- Loss of concentration
- Emotional numbing
- Intrusive thoughts
- Immediate segue into bio-reaction on minor stimuli
- Long term cellular changes from a highly traumatic single incident

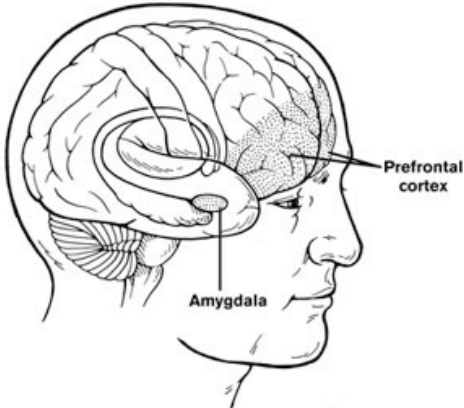
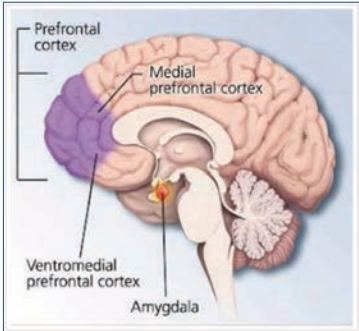


<http://hms.harvard.edu/content/battling-ptsd> iStockPhoto

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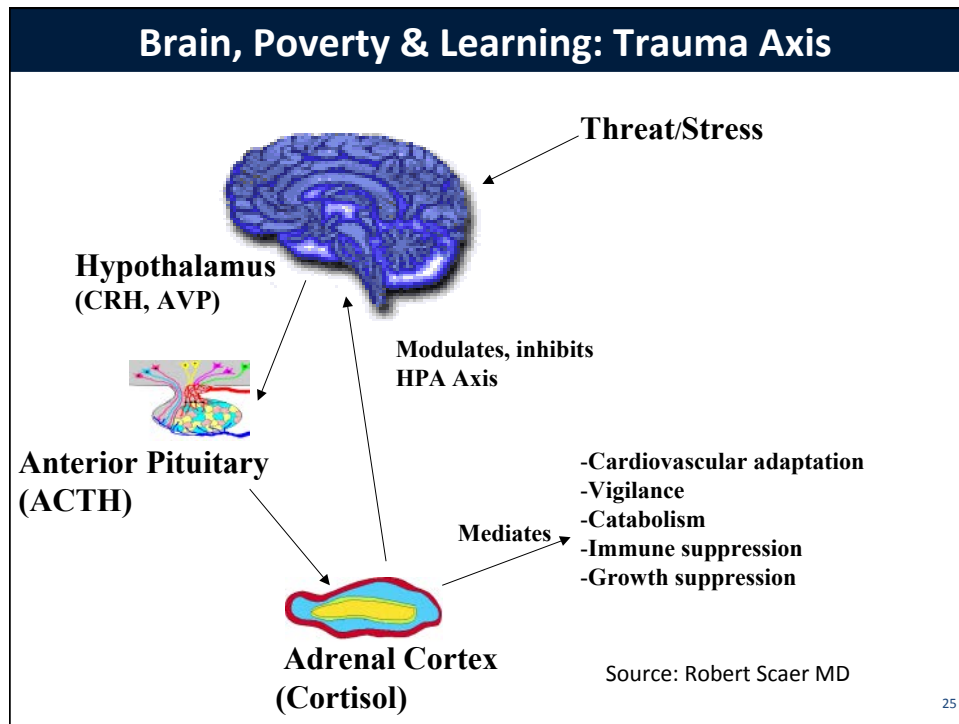
ACE pedagogy addresses Academic Precursors associated with the Prefrontal Cortex

from The Dana Guide to Brain Health
<https://www.dana.org/news/brainhealth/detail.aspx?id=9900>

http://biophilic.blogspot.com/2012_02_01_archive.html

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What is the affective (or non-cognitive) dimension?

The **domain of learning** that primarily engages emotional factors, feelings, and attitudes

ACE focuses on affective learning to increase student's capacity to achieve success

- **academically**
- **professionally** and
- **personally**

by promoting the development of awareness, growth, and change in

- **attitudes**
- **mindsets**
- **habits** and
- **behaviors**

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IMAGE: <http://www.tuningthestudentmind.com/wp-content/uploads/2012/05/heart-and-brain-249x300.jpg>