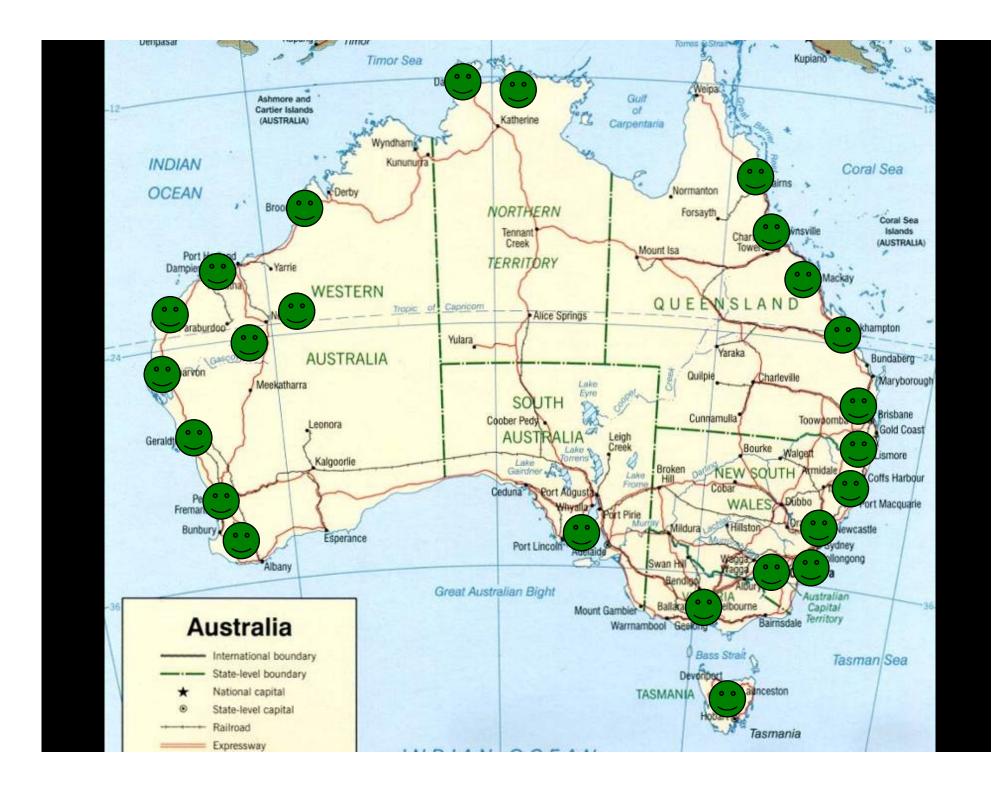
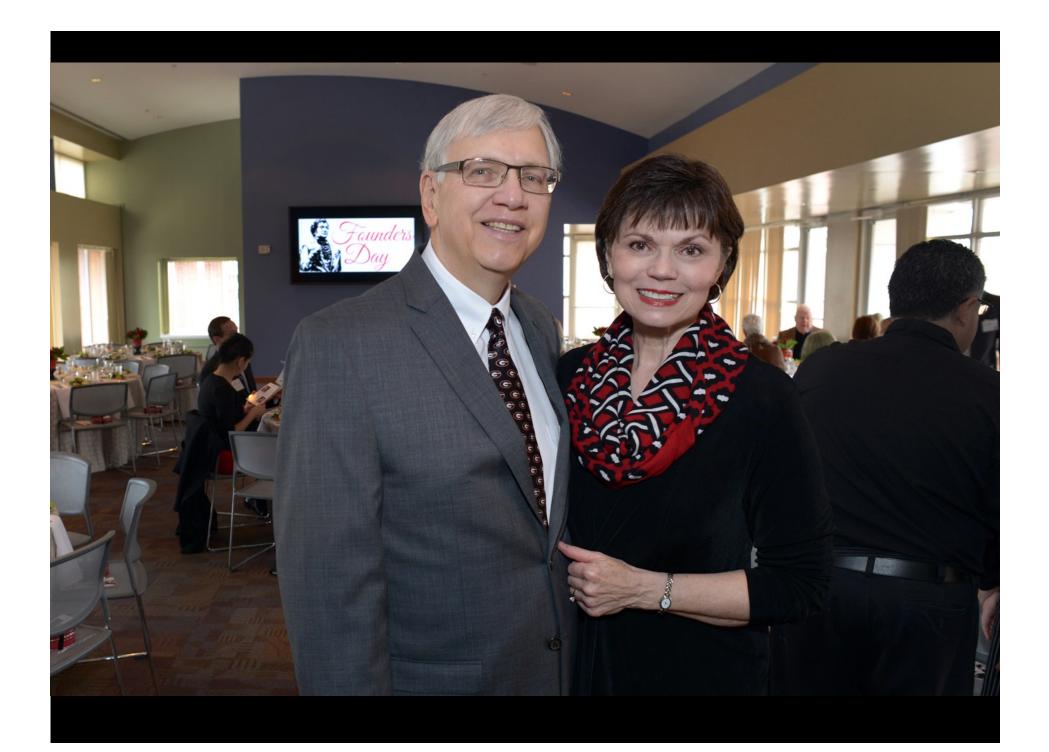
Where There's Will, They're Away!

The Importance of the Conative Domain for First-Year College Success and Beyond



Professor Emeritus Tom Reeves The University of Georgia, USA

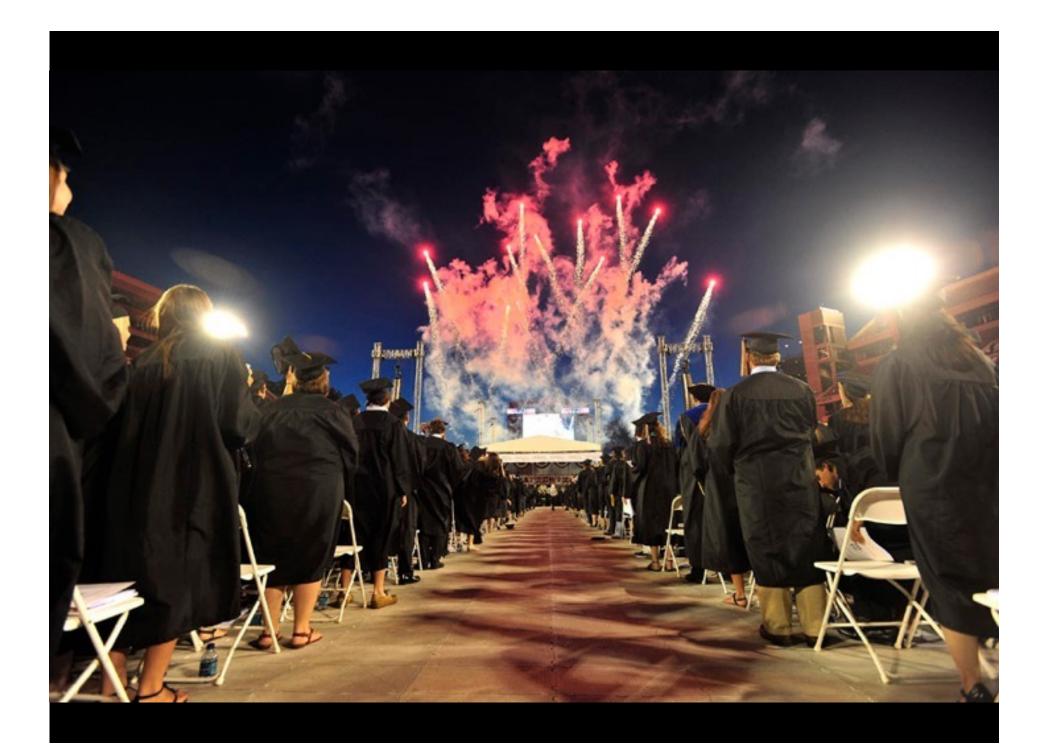






The University of Georgia







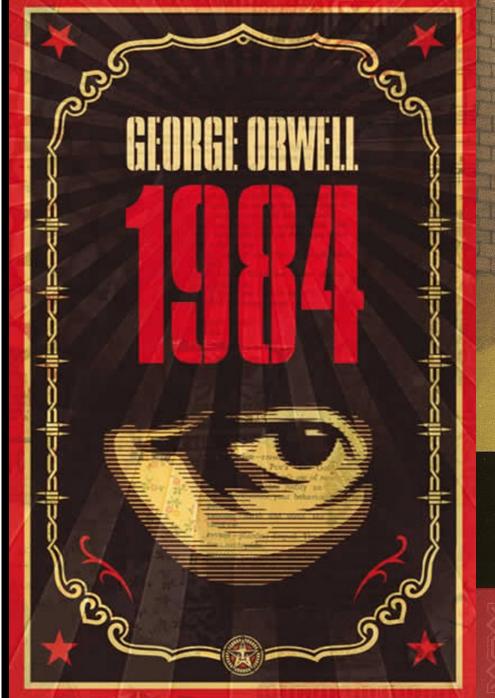


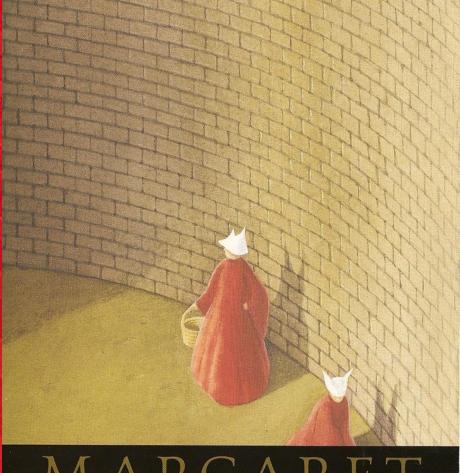
Keynotes should:

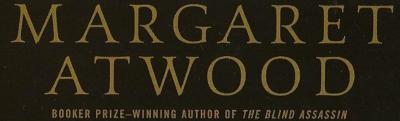
- Challenge assumptions
- Raise questions
- Promote change











THE HANDMAID'S TALE

The End of College

Creating the Future of Learning and the University of Everywhere

KEVIN CAREY

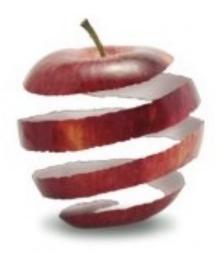
"Thought-provoking, fascinating." - The Washington Post

"College (Un)bound is a must-read for everyone interested in higher education and how technology will revolutionize it in the coming years." —SEBASTIAN THRUN, founder of Udacity

COLLEGE (UN)BOUND

THE FUTURE OF HIGHER EDUCATION

AND WHAT IT MEANS FOR STUDENTS



JEFFREY J. SELINGO

Editor at Large, Chronicle of Higher Education

PETER FELTEN JOHN N. GARDNER CHARLES C. SCHROEDER LEO M. LAMBERT BETSY O. BAREFOOT

FOREWORD BY FREEMAN A. HRABOWSKI

THE UNDERGRADUATE EXPERIENCE

FOCUSING INSTITUTIONS ON WHAT MATTERS MOST

JB JOSSEY-BASS

Learning

- Relationships
- Expectations
- Alignment
- Improvement
- Leadership

It's all about student learning.





Four Troup Students Fired 3 Stage Rocket

Recently, four Troup High Students, (Bryant Fuller, Willie Hart, Doug Mote, and Tommy Reeves), entered upon an extensive long range program of study in the field of rocketry.

Tommy Reeves and Doug Mote are involved in the study of the effects of rocket flight on the learning capabilities of white rats. On March 7, 1966 they launched a trained rat in a three stage rocket powered by three factory built solid fuel rocket engines. The rocket traveled at an average speed of 150 m.p.h. and reached an altitude of over 2000 feet. The rat was physically unharmed but the full mental effect has not been determined.

Willie Hart is engaged in the development of a remote control system. He hopes to be able to use a small radio transmitter, to direct the rocket in flight from the ground.

Finally, Bryant Fuller has been launching picture - taking rocket very successfully with the exeption of the last flight in which the camera was smashed when the parachute failed to open.

These four boys are now collaborating on the development of their own fuels.

TROUP STUDENTS SHOOT OFF ROCKET

21st Century Learning Outcomes

- -Accessing and using information
- Communicating across cultures
- Demonstrating effort and commitment to high quality work
- Applying rules and procedures
- Being creative
- -Thinking critically
- Making sound judgments
- Problem-solving
- Life-long learning
- Exhibiting intellectual curiosity



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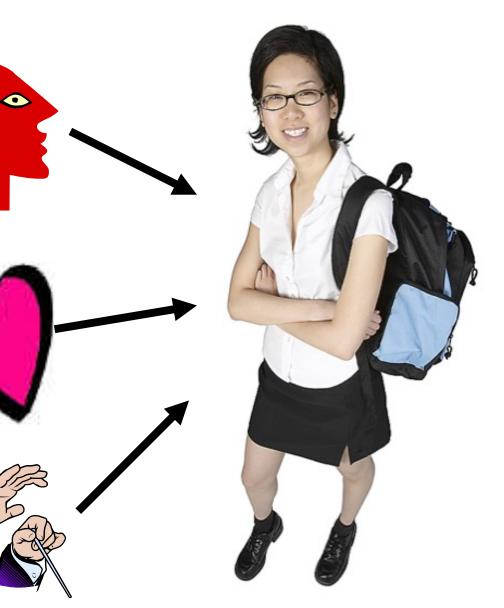


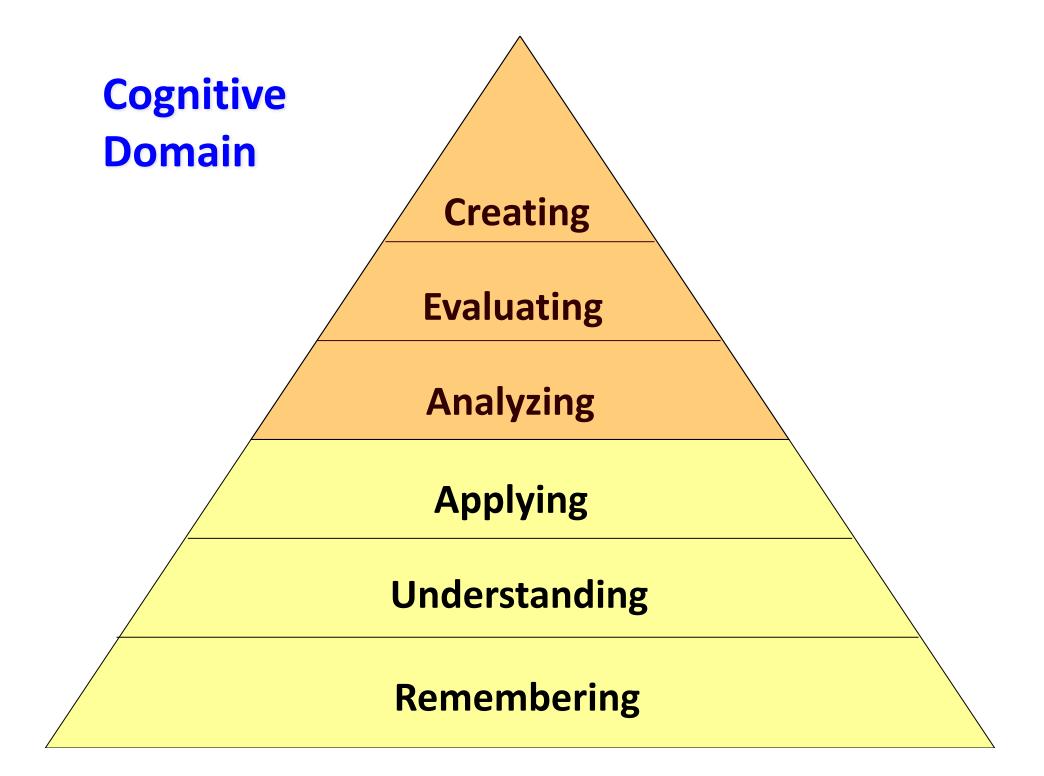
Traditional Learning Domains

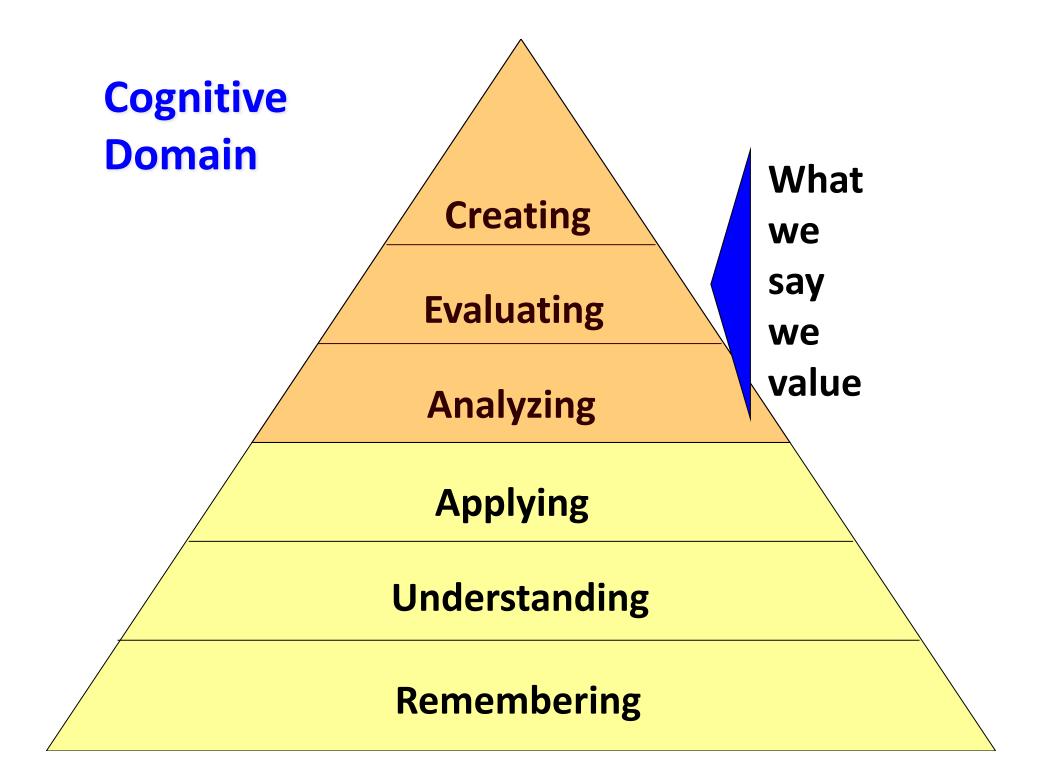
Cognitive

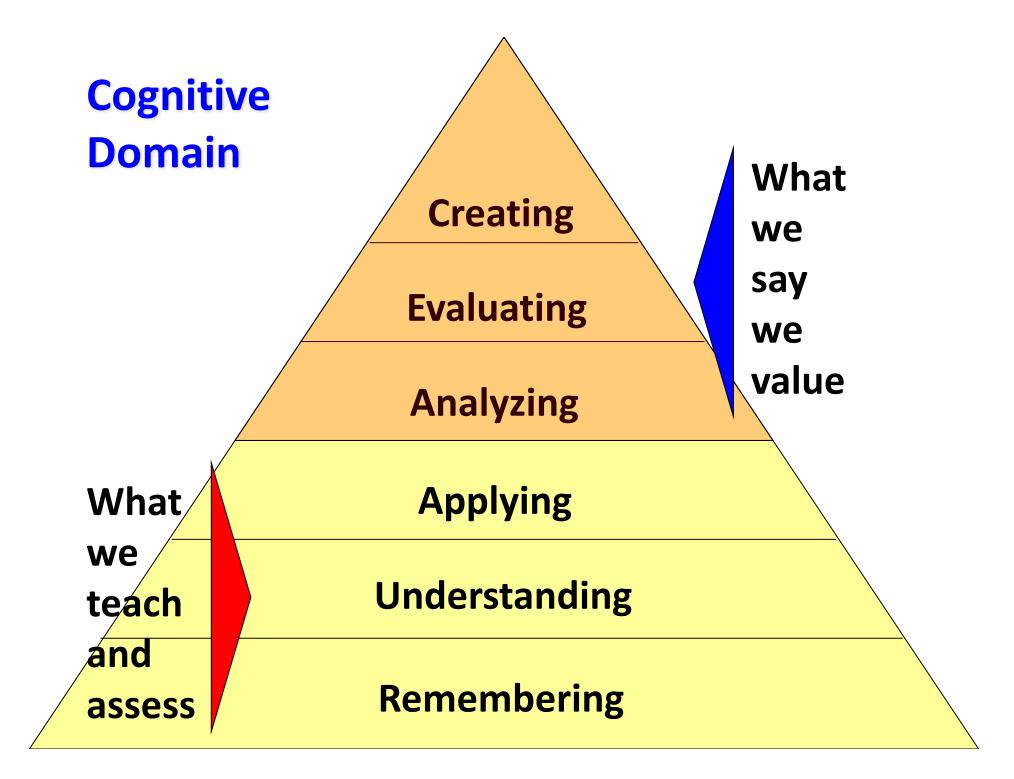
• Affective

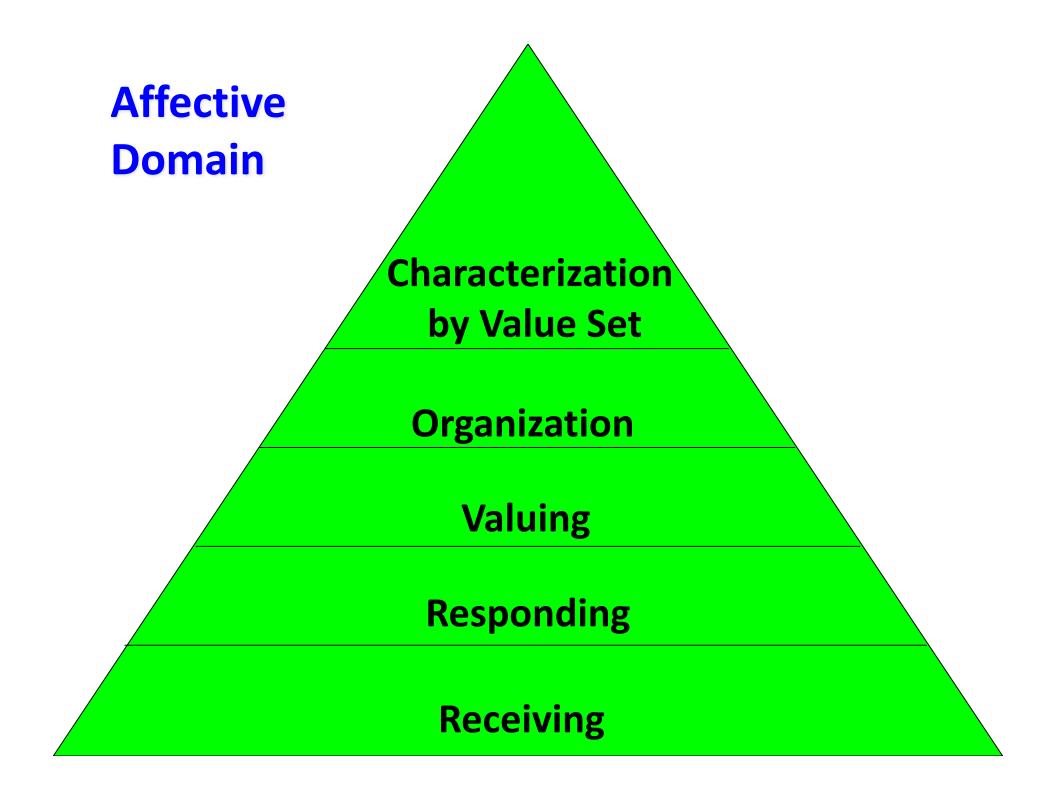
Psychomotor

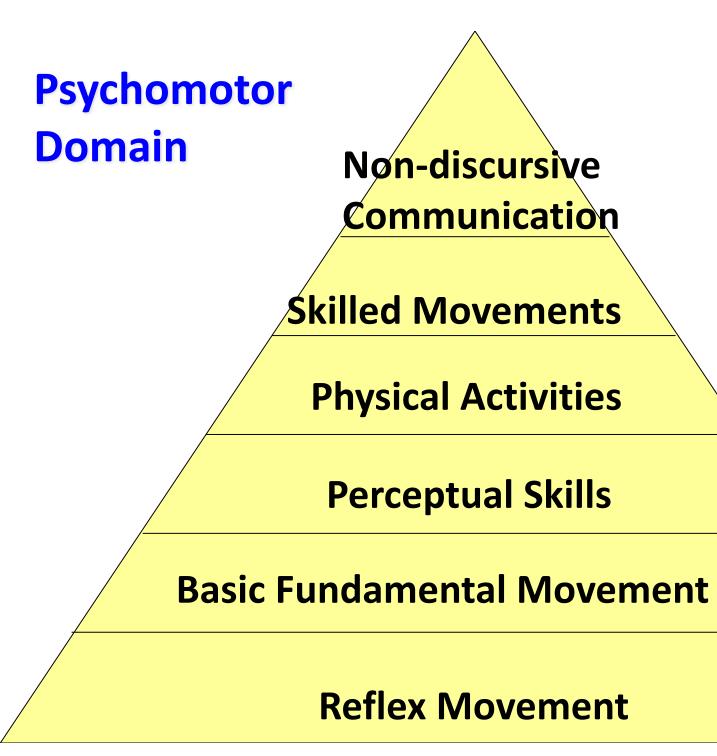












Unfortunately, most people ignore an entire domain of learning.

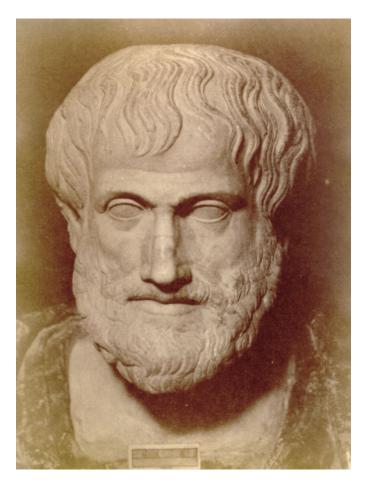


Conative Domain

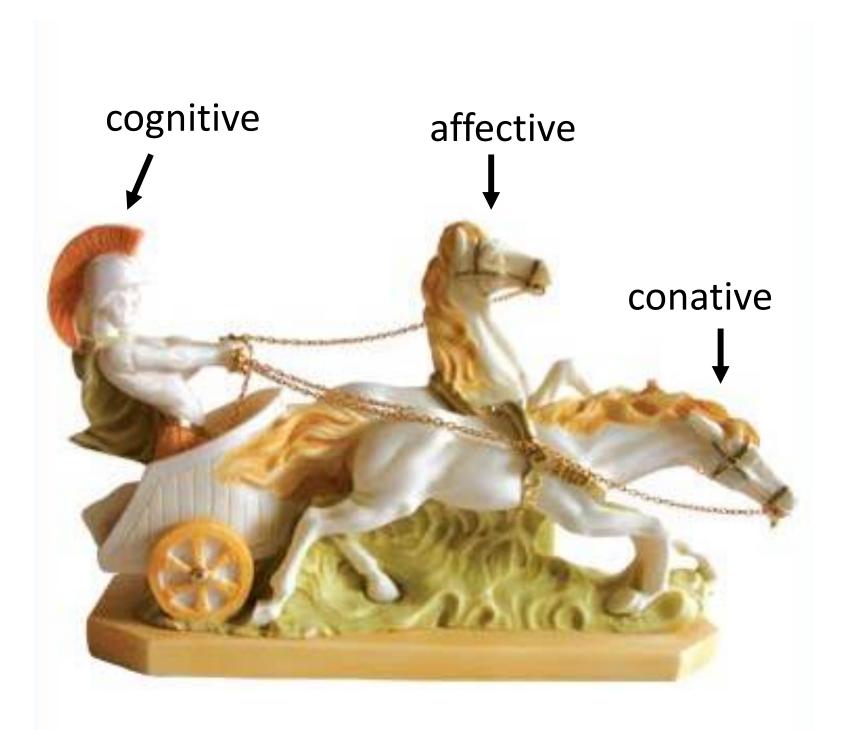
- Will
- Action
- Self-determination
- Level of effort
- Mental energy
- Drive
- Striving
- Intention



Orexis: (Greek) Striving; desire; the conative aspect of mind



Aristotle



Conative Connection Acting on Instinct



Kathy Kolbe

Cognitive – Affective – Conative

- To know
- Thinking
- Thought
- Epistemology
- Knowing



- To desire
- Feeling
- Emotion
- Esthetics
- Caring



- To do
- Willing
- Volition
- Ethics
- Doing







Grit Scale

Angela Lee Duckworth

University of Pennsylvania



West Point Cadets

• Grit scale predicts retention more than:

-high school rank,

-SAT,

- –leadership potential rating,
- -physical aptitude,
- -and other measures



- Perseverance and passion for long-term goals.
- Strong predictor of the accomplishment of highachievers in many fields.
- Not positively related to IQ.

"Grit is living life like it's a marathon, not a sprint."

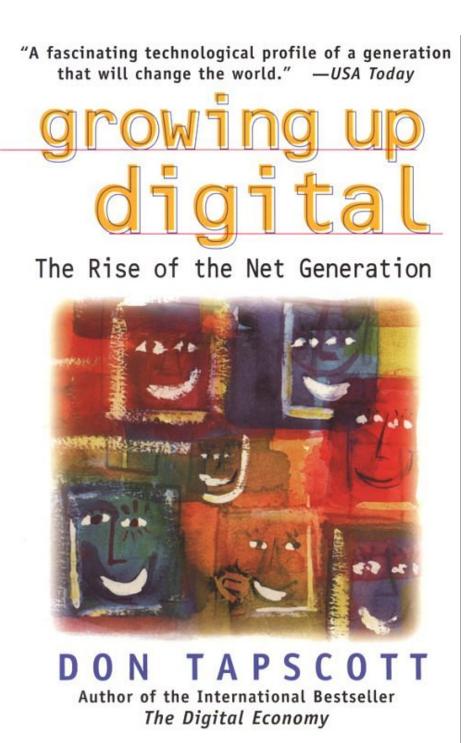
~Angela Lee Duckworth

Do today's entering students have sufficient Grit?



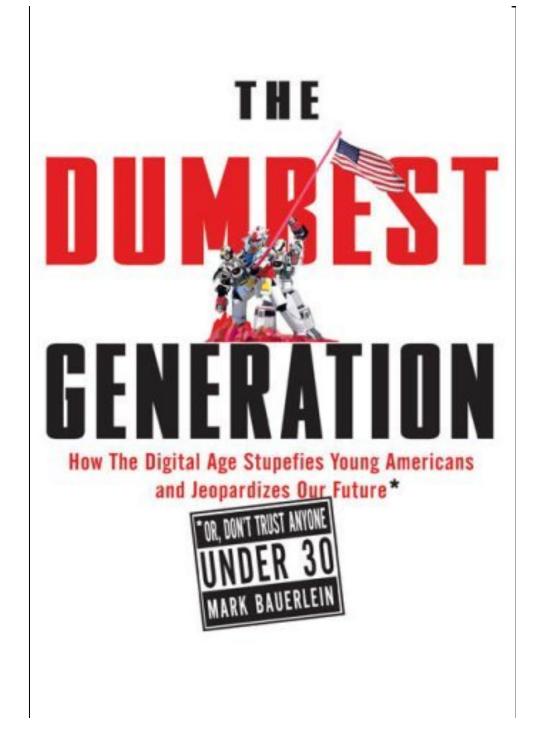


"The Net Generation has arrived... combining demographic muscle with digital mastery...who in profound and fundamental ways learn...very differently than their parents."





"The technology that was supposed to make young adults more astute, diversify their tastes, and improve their minds had the opposite effect."



The Myth of the Digital Native







Students Say They Are Not as Tech Savvy as Educators Assume



LIVING IN THE AGE OF ENTITLEMENT

"Chronicles the obsession that many Americans have with, well, themselves . . . thinking themselves entitled to things they haven't earned: It puts them at a terrible disadvantage in a global marketplace that is, all the time, getting more competitive." - San Francisco Chronicle

The Narcissism Epidemic

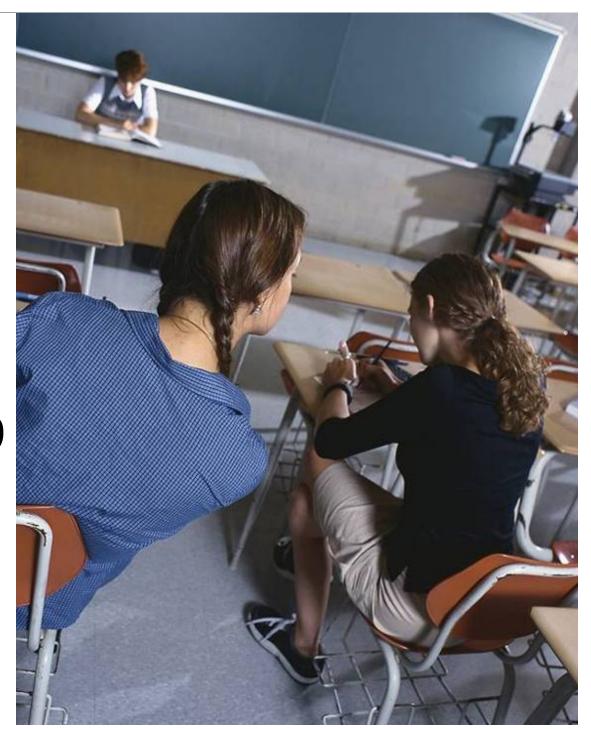
JEAN M. TWENGE, PH.D. AUTHOR OF GENERATION ME and W. KEITH CAMPBELL, PH.D.

WITH A NEW FOREWORD BY THE AUTHORS

In the 1950s, only 12% of young teens agreed with the statement "I am an important person" whereas by the late 1980s, 80% claimed they were important



In 2002, 74% of high school students admitted to cheating whereas in 1969 only 34% admitted such a failing.



In the 1960s, 42% of high school students expected to work in professional jobs whereas in the late 1990s, 70% of high school graduates expected to work as a professional.



In 2004, 48% of American college freshmen reported earning an A average in high school whereas in 1968 only 18% of freshmen reported being an A student in high school.

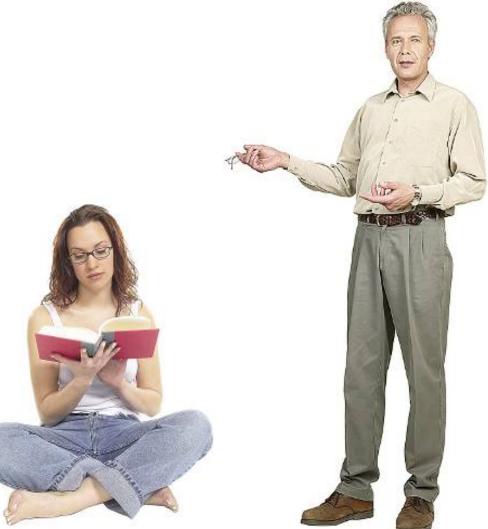


Are today's undergrads academically engaged?



National Survey of Student Engagement

- Work
 expectations
 for students:
 - –10-15 hrs. in class
 - -25-30 hrs. studying



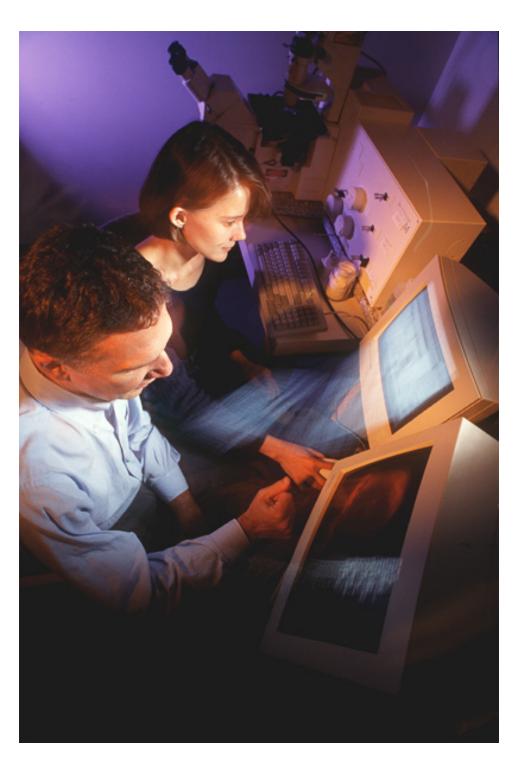
National Survey of Student Engagement

- Work Reality:
 –20% study 5 hrs.
 per week or less
 - -25% 6-10 hrs.
 - -48% 11-30 hrs.

-7% > 30 hrs.



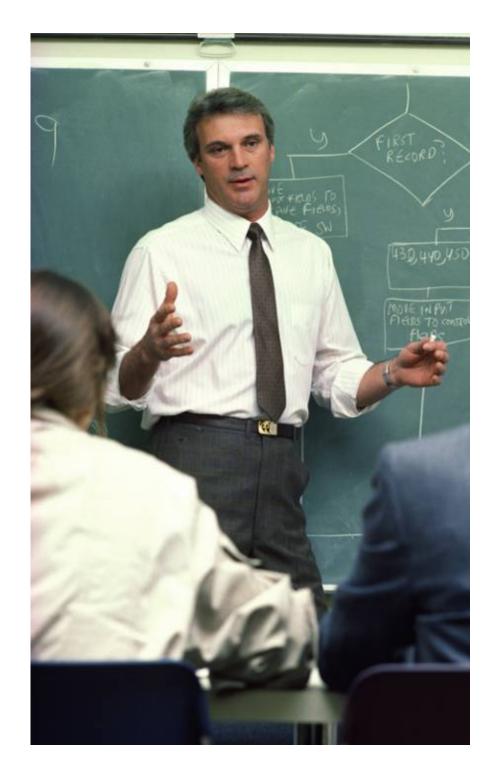




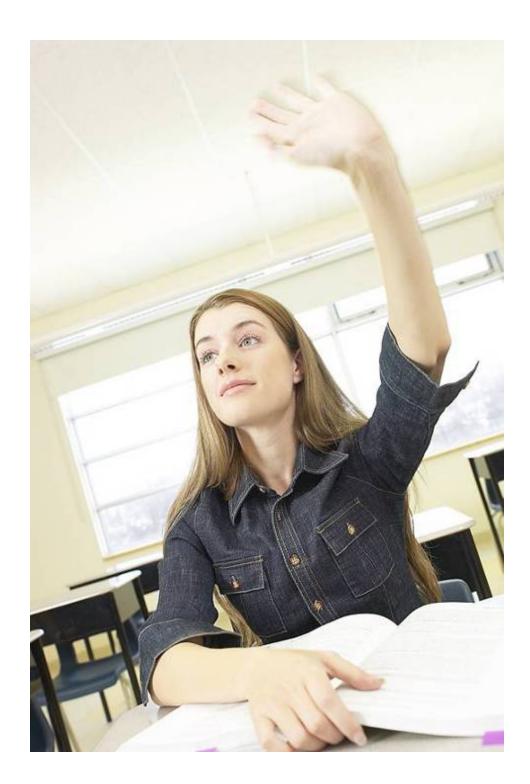
Knowledge is constructed, not received. Mental models change slowly.



Teaching is about asking the right questions.



Learners must care.



How can we get students to care?







Create learning experiences wherein they grapple with the major challenges of our times.



BE WORRIED BE VERY WORRIED

SPECIAL REP

APRIL 3, 2006

future problem—it's already damaging the planet at an alarm pace. Here's how it affects you, y kids and their kids as well

EARTH AT THE TIPPING POINT HOW IT THREATENS YOUR HEA How China & India Can Help Save the World—or Destro The Climate Crusaders



THE N

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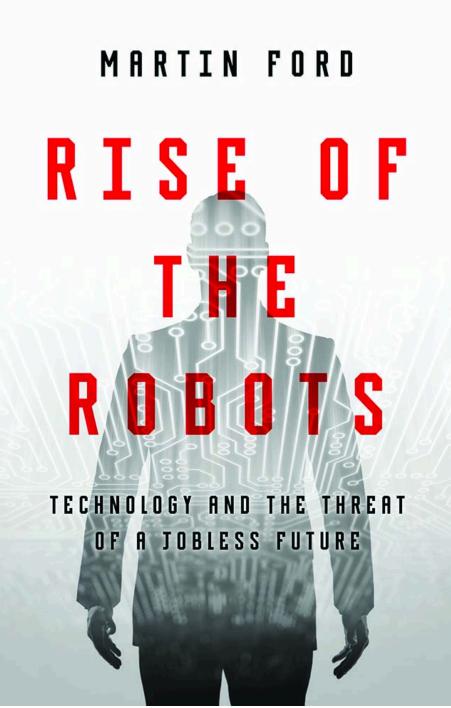
The Race between Machine Learning and Human Learning.



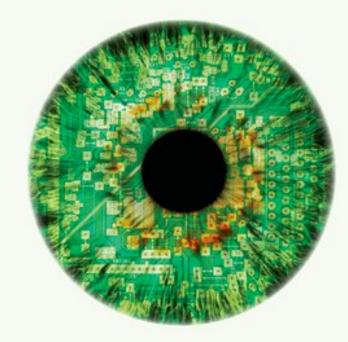


MAY 9TH - 15TH 2015

Worldwide ex UK



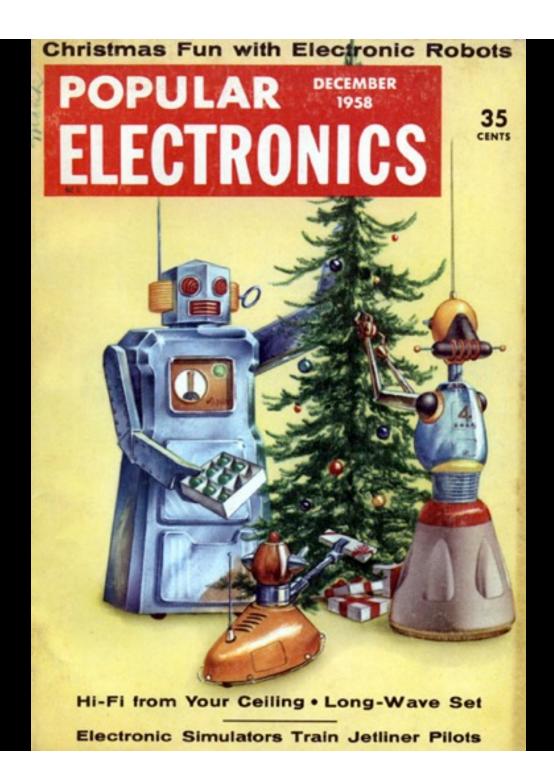
RICHARD DANIEL SUSSKIND SUSSKIND



THE FUTURE OF THE PROFESSIONS

HOW TECHNOLOGY WILL TRANSFORM THE WORK OF HUMAN EXPERTS

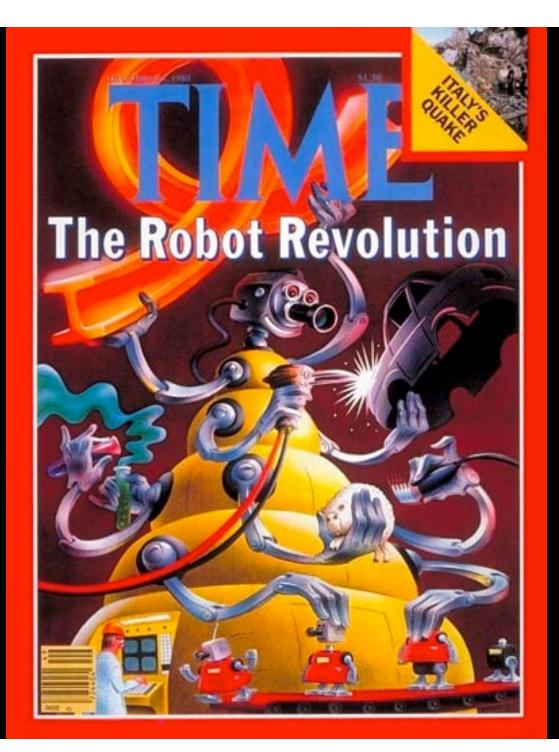






featuring: FORGOTTEN WORLD by Edmond Hamilton TROUBLE ON TITAN by Arthur K. Barnes THE LAST MAN IN NEW YORK by Paul MacNamara DAMES IS POISON by Kelvin Kent



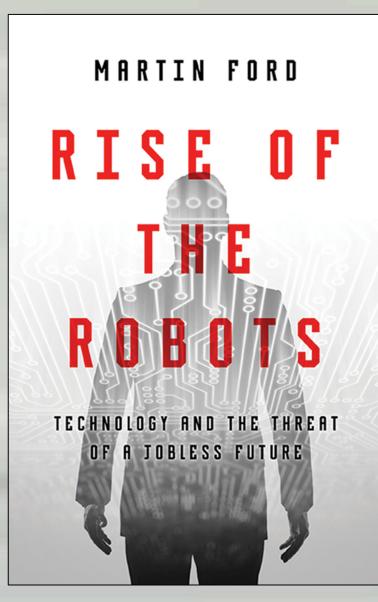








DEE P LEARNING









RICHARD DANIEL SUSSKIND SUSSKIND

Course Material



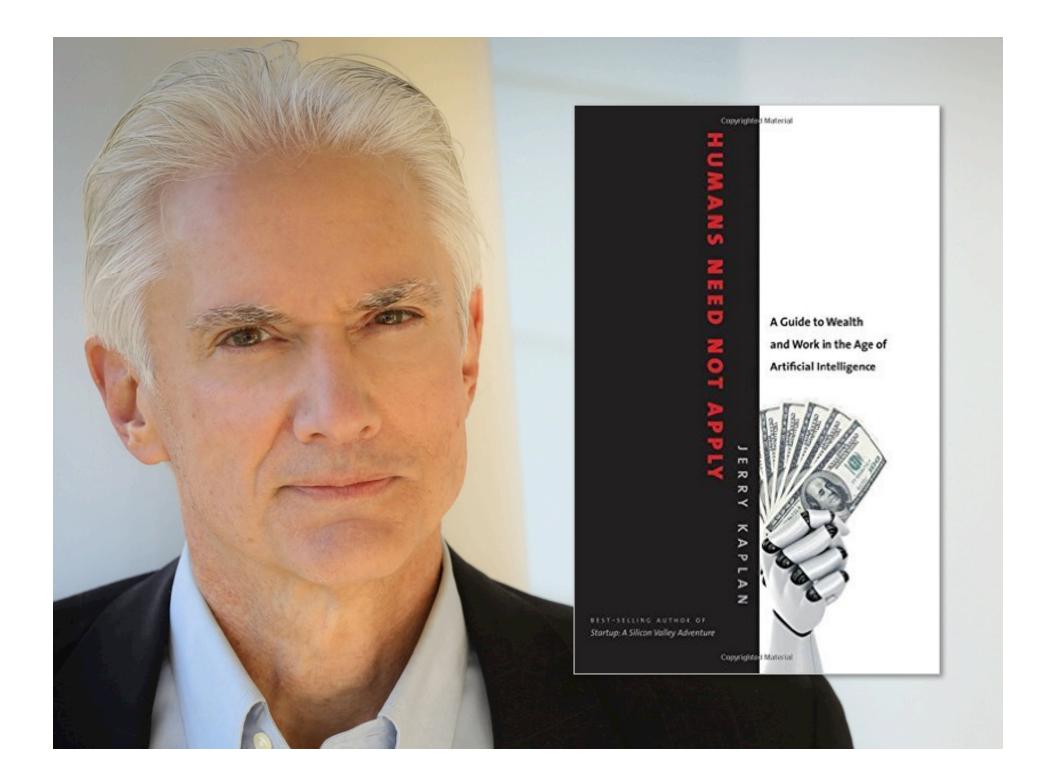
THE FUTURE OF

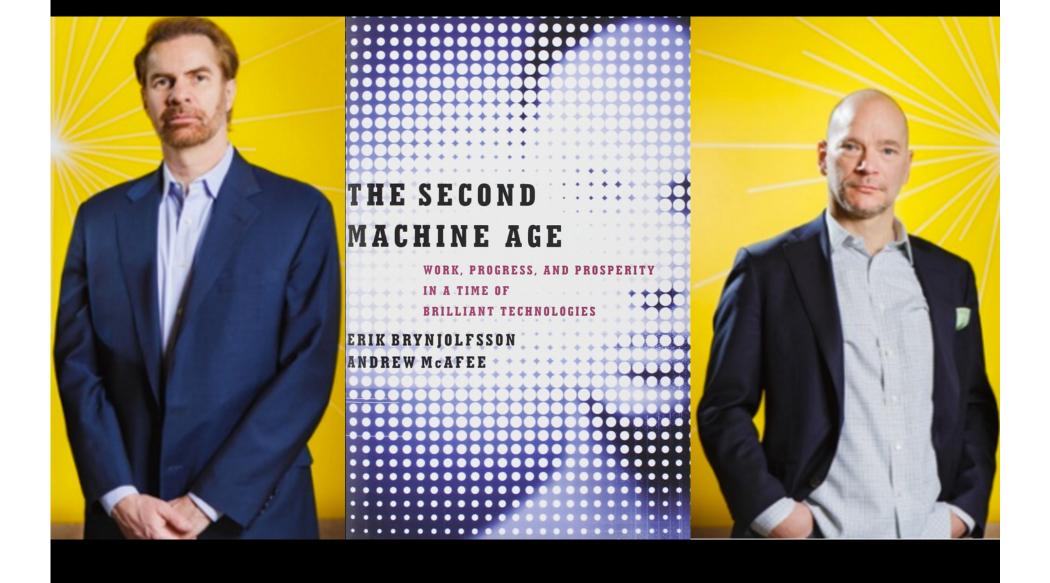
HOW TECHNOLOGY WILL TRANSFORM THE WORK OF HUMAN EXPERTS

Capproprint/Material









Ideation

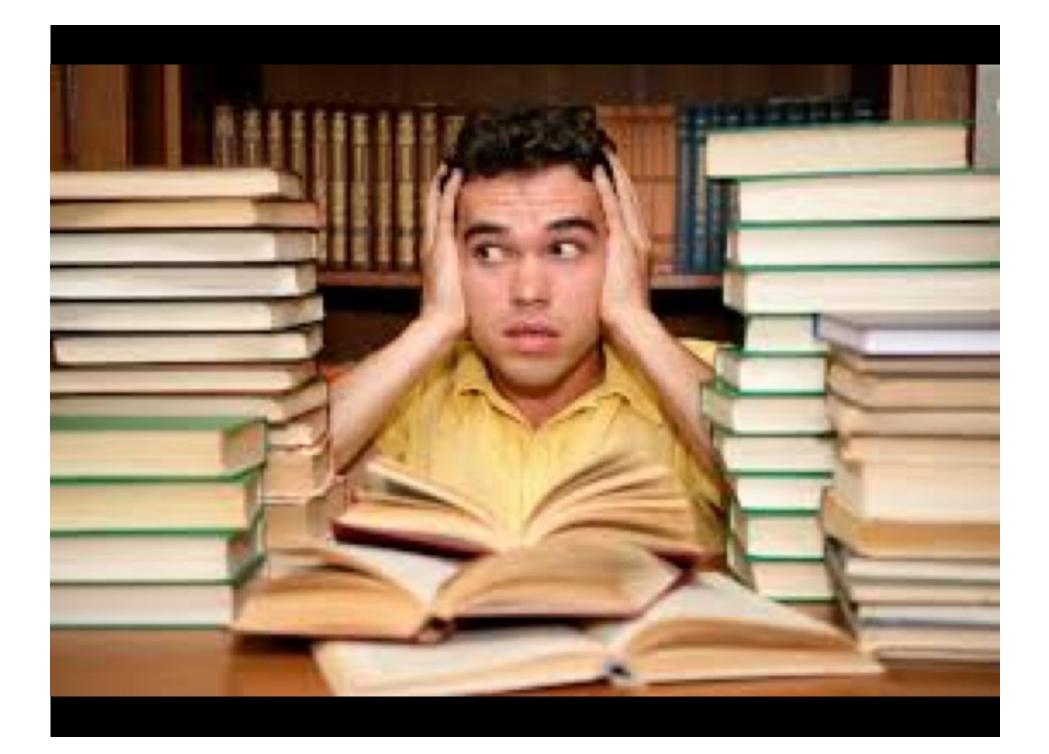


Broad-frame pattern recognition

10000001 00000

Complex communication

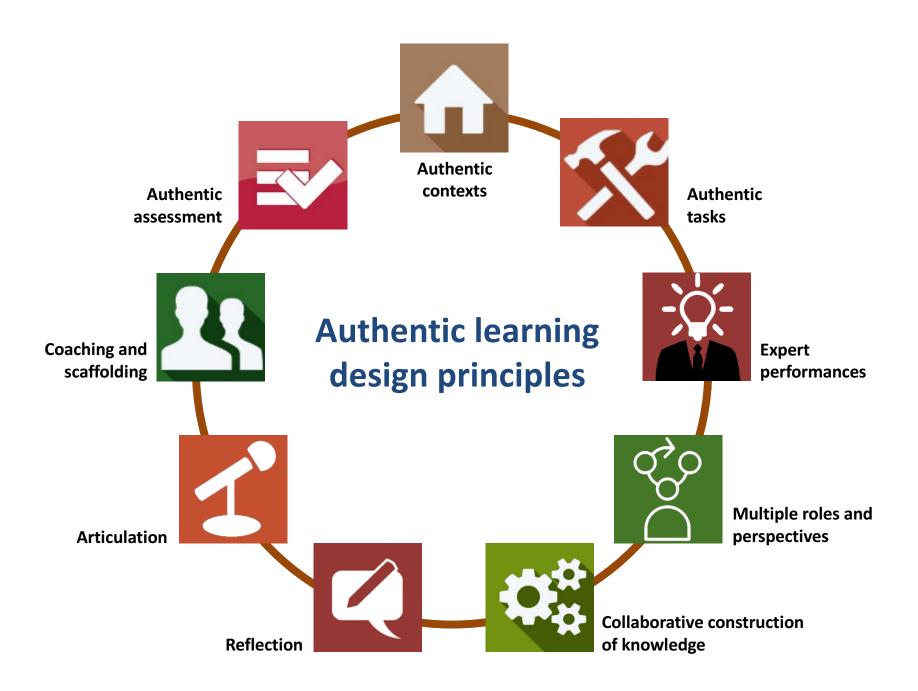




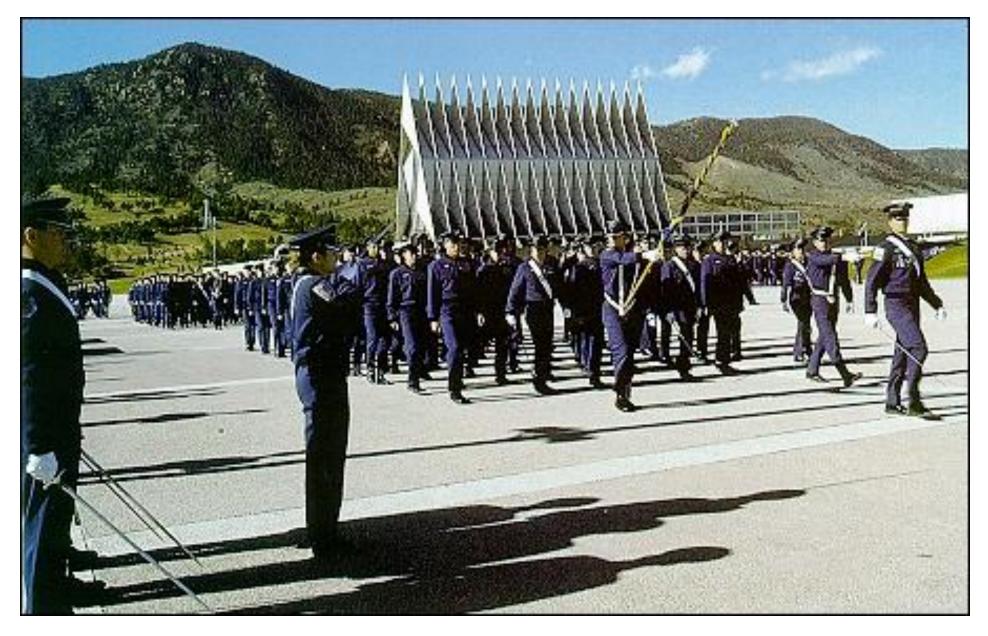
We must design authentic learning opportunities that require more of students.







Undergraduate Engineering Education

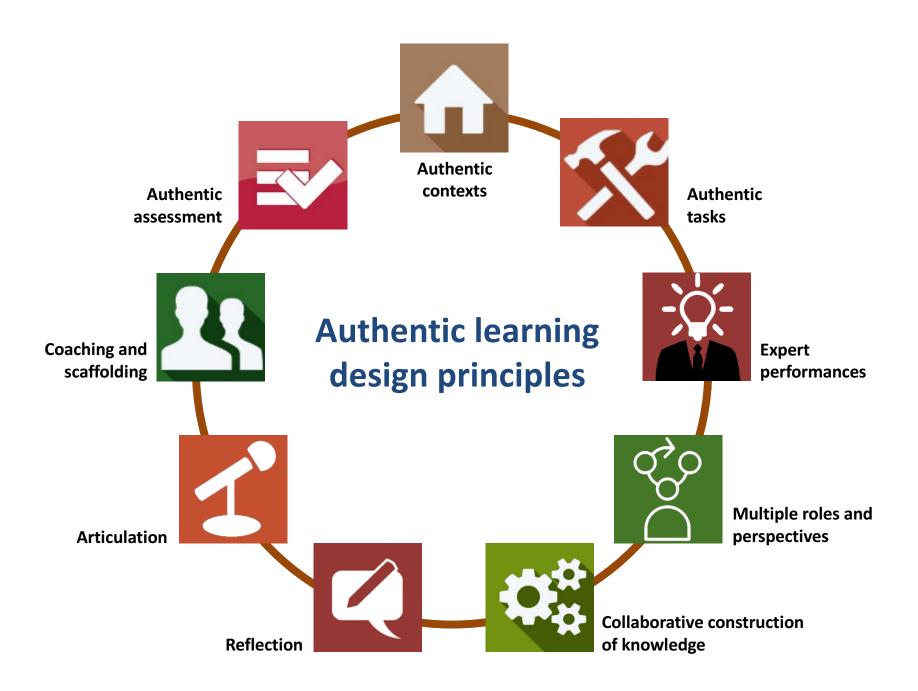


Five Intro Engineering Courses



Failed to think like engineers





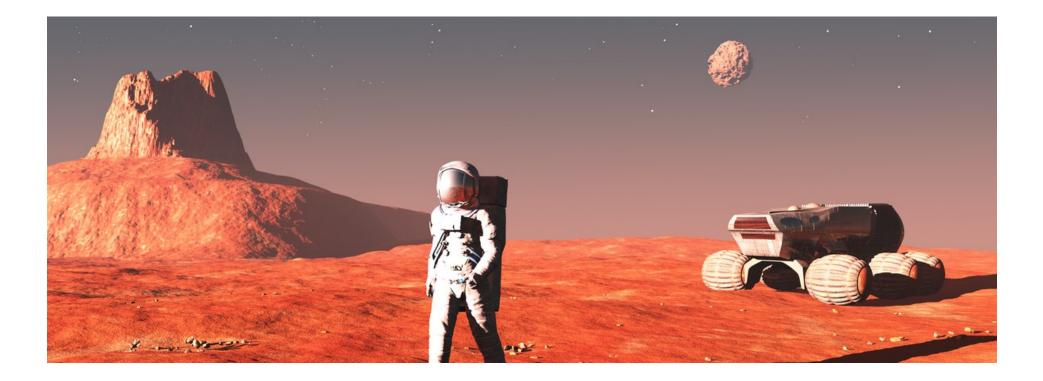


Authentic context

Taking on a realistic role



Member of Mars Mission Team



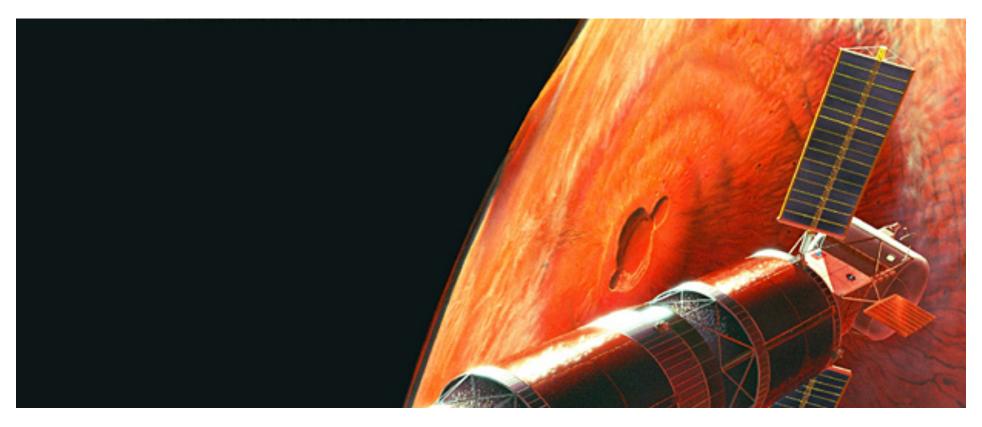


Authentic tasks

Doing reallife tasks



- Get to Mars
- Establish base
- Develop power source





Access to expert performances





Multiple roles and perspectives

- Communications
- Construction
- Research





Collaborative construction of knowledge





Reflection













Authentic assessment



High levels of engagement AND positive learning outcomes

- Enhanced problem solving
- Richer mental models
- Improved communication skills
- Enhanced research skills
- Better team skills
- Commitment to good work

First-Year Authentic Projects



How else can we support conative growth?





DARING TO LEARN HOW TO LEARN

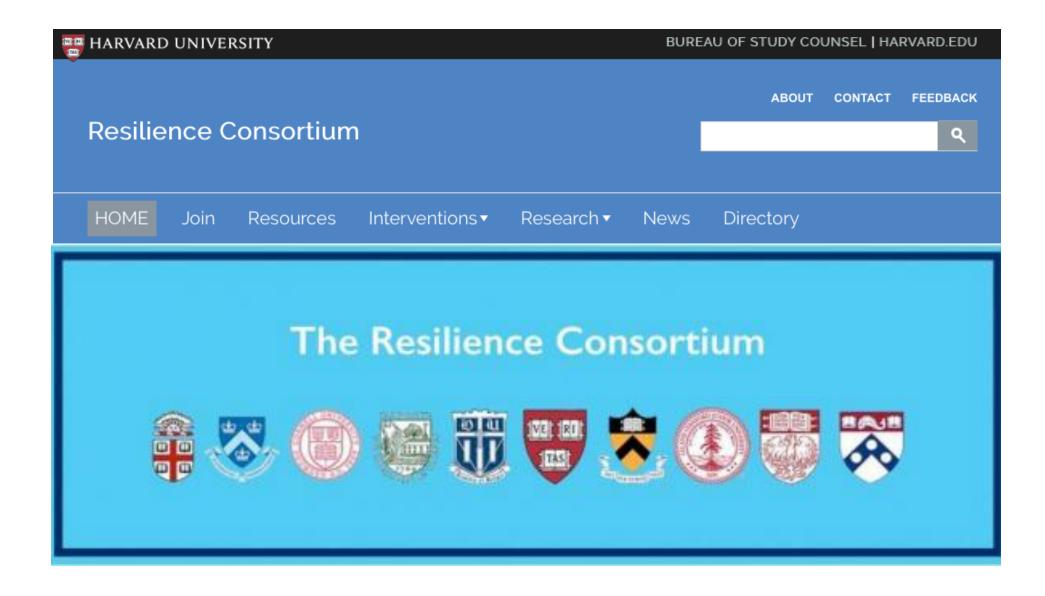
<u> https://pursuit.unimelb.edu.au/articles/daring-to-learn-how-to-learn</u>



Failing Well Program



The Resilience Consortium





We tell our children they can be anything they want to be.



Perhaps we should tell them they can be anything they want to be only if they have grit.



53% of Recent College Grads Are Jobless or Underemployed—How?

By Jordan Weissmann

A college diploma isn't worth what it used to be. To get hired, grads today need hard skills.









Committee on Australian Universities Report of 1957



Sir Keith Murray

Murray review gave 7 reasons for individuals' inability to progress through higher education:

- inadequate preparation,
- the different learning environment,
- higher standards of assessment
- the teaching ability of lecturers,
- lack of student engagement,
- the pace and quantum of learning, and
- high student staff ratios.

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60 years later, we can do better.

Enhancing conative drive requires:

- Authentic tasks
- Problembased
 learning
- Project-based learning







Don't waste Your life. "Go Authentic!"

Thank You!



Tom Reeves, The University of Georgia treeves@uga.edu, www.evaluateitnow.com