



# The Golden Age of Learning

## *Advancing the Work in Progress*

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"MY NEW FAVORITE BOOK OF ALL TIME." —BILL GATES

# STEVEN PINKER

## ENLIGHTENMENT NOW

THE CASE FOR  
REASON, SCIENCE,  
HUMANISM,  
AND PROGRESS

# CHALLENGE OF PROGRESS

Progress is Not Guaranteed; It's Been Work  
(insight, energy, innovation, intention)

- *Life expectancy*
- *Malthus and Hunger*
- *Child Mortality & Maternal Health*
- *Global Health*
- *Inequality*
- *Crime and War*



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A NEW YORK TIMES BESTSELLER

JEFFREY D. SACHS

# The End of Poverty

*Economic Possibilities for Our Time*

FOREWORD BY BONO

*"Book and man are brilliant, passionate, optimistic and impatient...Outstanding"*

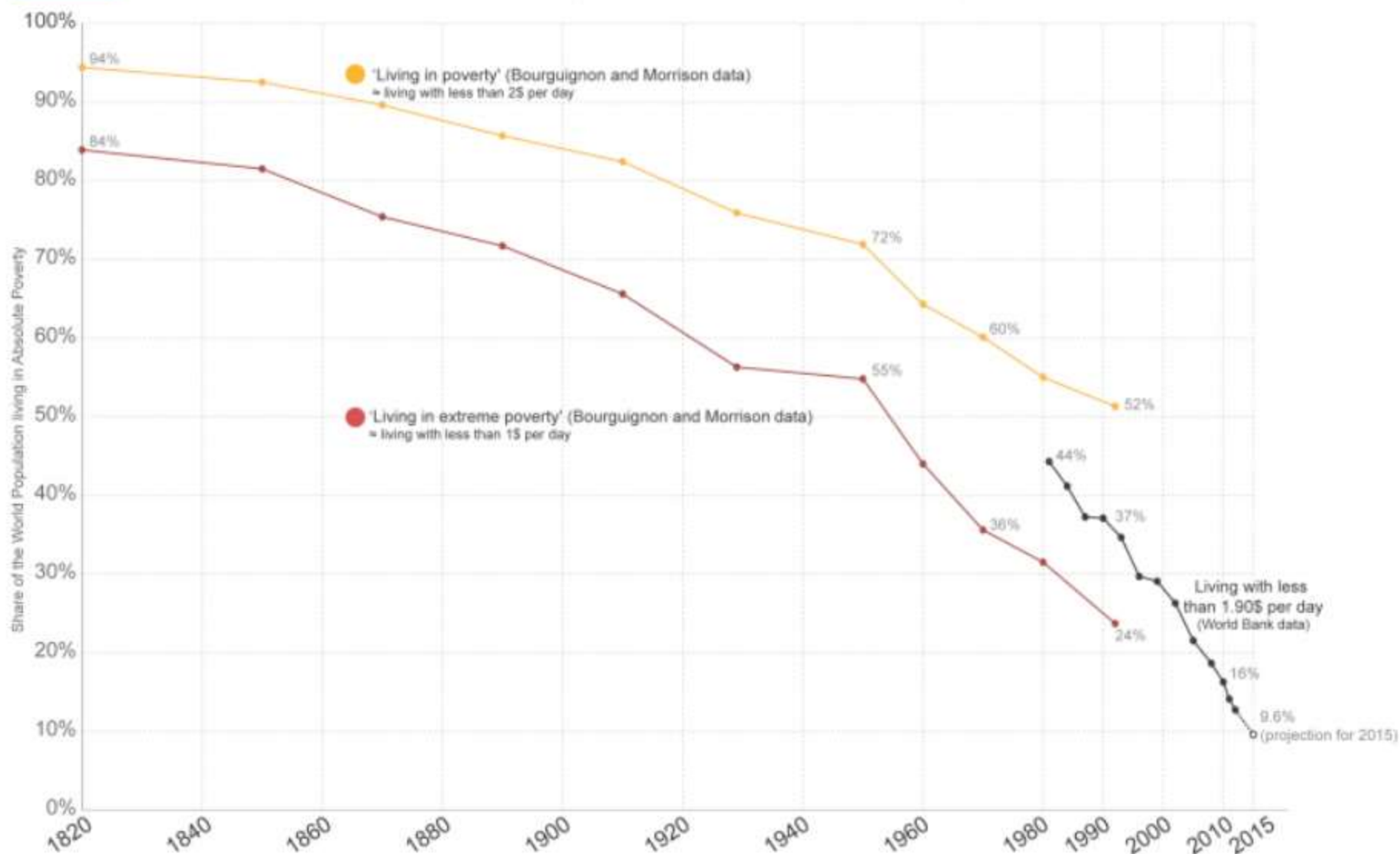
—THE ECONOMIST



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## Share of the World Population living in Absolute Poverty, 1820-2015

All data are adjusted for inflation over time and for price differences between countries (PPP adjustment).



Data sources: 1820-1992 Bourguignon and Morrison (2002) - Inequality among World Citizens, In The American Economic Review; 1981-2015 World Bank (PovcalNet)

The interactive data visualisation is available at [OurWorldinData.org](https://OurWorldinData.org). There you find the raw data and more visualisations on this topic.

Licensed under CC-BY-SA by the author Max Roser.

# CHALLENGE OF PROGRESS

- “Whether or not the world is really getting worse, the nature of news will interact with the nature of cognition to make us think it is.”
- “Availability heuristic: people estimate the probability of an event or the frequency of a kind of thing by the ease with which instances come to mind.”



# CHALLENGE OF PROGRESS

“Nothing is more responsible for  
the good old days than a  
bad memory.”

- *Franklin Pierce Adams*







5,990 views | Jul 9, 2015, 09:46am

# Higher Education 'Is Failing Students And Employers'



**Nick Morrison** Contributor ⓘ  
OLD Education

Higher education is failing to meet the needs of both students and employers, and only a fundamental transformation can put it on the right track.



# 18 REASONS THE U.S. EDUCATION SYSTEM IS FAILING

BY MATTHEW LYNCH / ⌚ APRIL 3, 2017 / 💬 24





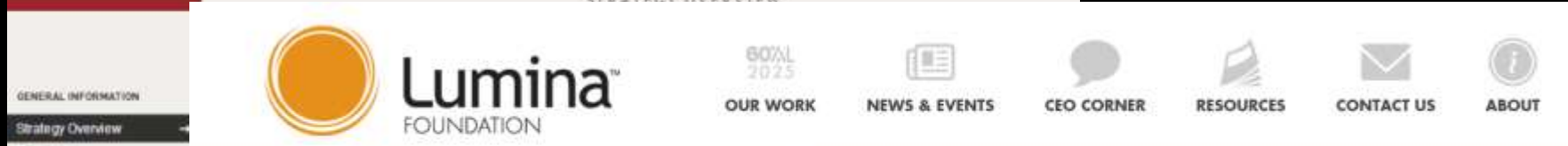
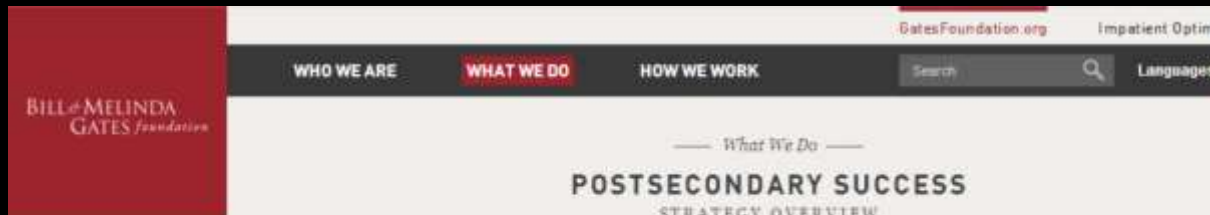
# **Advancing Conversations**

*The Many Faces of Student Success*

*Digital Transformation and Cultures of Care*

*Extra-Academic Innovation*

# THE MANY FACES OF SUCCESS



# THE MANY FACES OF SUCCESS

- Access & Enrollment
- Deeper Learning
- Broader Success/Completion Indicators
  - ✓ STEM, completion, on-time completion, transfer, diversity and equity gaps, post-graduation outcomes, workforce impact
- Making the most of their student experience







# THE MANY FACES OF SUCCESS

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- Making the most of their student experience







UNIVERSITY OF CENTRAL OKLAHOMA

# Transformative Learning

FUTURE STUDENTS

CURRENT STUDENTS

PARENTS

FACULTY AND STAFF

[Transformative Learning](#) » Student Transformative Learning Record (STLR)

# STLR

STUDENT  
TRANSFORMATIVE  
LEARNING  
RECORD

## Student Transformative Learning Record (STLR)



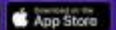
*An overview of STLR, targeted to UCO students, Summer 2018*

# Nearpeer

Life is better when you're part of the community



Get the app:



Sign up or sign in:

[Create Account](#)

[Log In](#)

Available for students and staff at participating colleges and universities

# DIG TRANSFORMATION & CULTURES OF CARE

## Face to Face Infrastructure

- \*Classrooms
- \*Lecture Halls
- \*Training Labs
  - \*Locations
  - \*Simulators
- \*Office Hours
  - \*Library
- \*Open Space



## Online Infrastructure

- \*Website
- \*Learning Mgt Systems
- \*Content Repositories
- \*MOOCs
- \*Social Networks
- \*Mobile Apps

## Activities

Lecture, Dialogic, Small Groups, Contextual Learning, Simulations, Learning Communities, i-BEST, Project-Based Learning, Self-Directed Learning, Blended Learning, Accelerated Learning, Competency-Based Learning

**75%**

**believe using personal devices in the classroom  
has improved their ability to learn**

**58%**

**use their phones to take pictures of lecture slides**

**39%**

**use mobile devices to access a digital textbook**



# DIG TRANSFORMATION & CULTURES OF CARE

CRUNCH NETWORK

## Still a virtual reality skeptic? Here's why you shouldn't be

Posted 4 hours ago by Ian Hetherington



### Ian Hetherington

CRUNCH NETWORK CONTRIBUTOR

Ian Hetherington is a co-founder and chairman of eeGeo Limited.

[How to join the network >](#)

The original PlayStation was the managing Entertainment for world. The 3D envi gamers, and some initially reluctant to technology. But with the standard of video games, and 2D games began to be considered. Consumers purchased PlayStation at record rates, buying 100 Nintendo and Sega Saturn competition.

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### UNIQUE AIR-POWERED SOUND SYSTEM

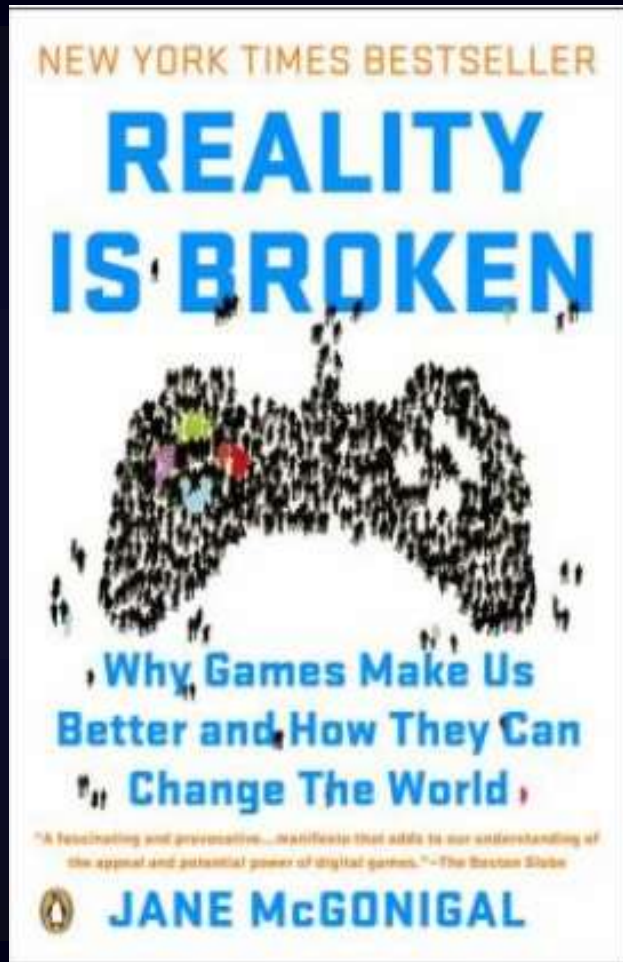
The Infotainment system also integrates a high-end sound system from Alpine. It features the unique "FreshAir" subwoofer - a not yet released technology that uses the air outside the car to create the ultimate listening experience.

0:06 / 2:15

FEATURES ON OFF



# DIG TRANSFORMATION & CULTURES OF CARE



# DIG TRANSFORMATION & CULTURES OF CARE



## The death of “online” learning in higher ed

As technologies become ubiquitous, familiar labels will vanish

By Craig Weidemann and Karen Pollack — University Business, March 2016



Online learning has expanded dramatically over the past two decades, reaching a high of more than 5 million enrollments in 2013. While that expansion has slowed recently, it still far exceeds overall growth in higher education.

The growth of Penn State World Campus has mirrored this trend, consistently outpacing annual projections. What started as a portfolio of just five online programs and 41





# DIG TRANSFORMATION & CULTURES OF CARE



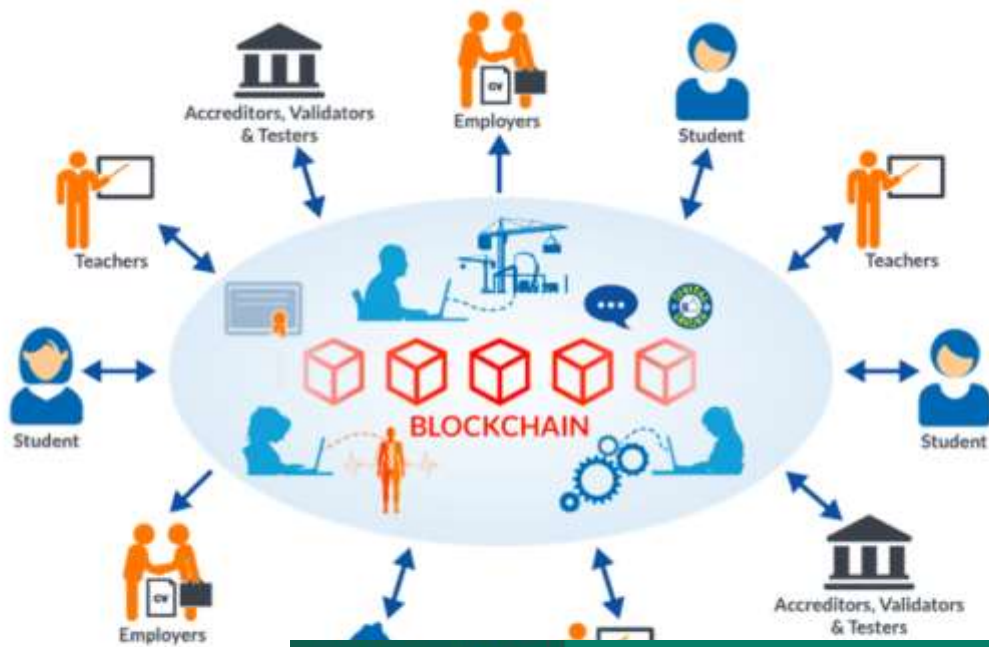
Transforming higher education

*Open  
teach*



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LEARNING & EDUCATION



# Internet of Things

for  
Higher Education



RESEARCH



RESEARCH



Medications

**simvastatin**  
(ZOCOR), 40 mg tablet

Take 1 tab by mouth nightly.

REFILL

**albuterol**  
(PROVENTIL, VENTOLIN), 90 mcg/act inhaler

Inhale 2 puffs every 6 hours as needed for wheezing.

REFILL

**levothyroxine**  
(SYNTHROID), 100 mcg tablet

Take 1 tablet by mouth once daily.

REFILL

**diltiazem**  
(CARDIZEM CO), 240 MG ER capsule

Appointments

NEXT 7 DAYS

**SEP 19 2016** Chiropractic  
Monday, September 19, 2016  
7:40 AM  
Stan Winston, D.C.  
West Bluff Clinic

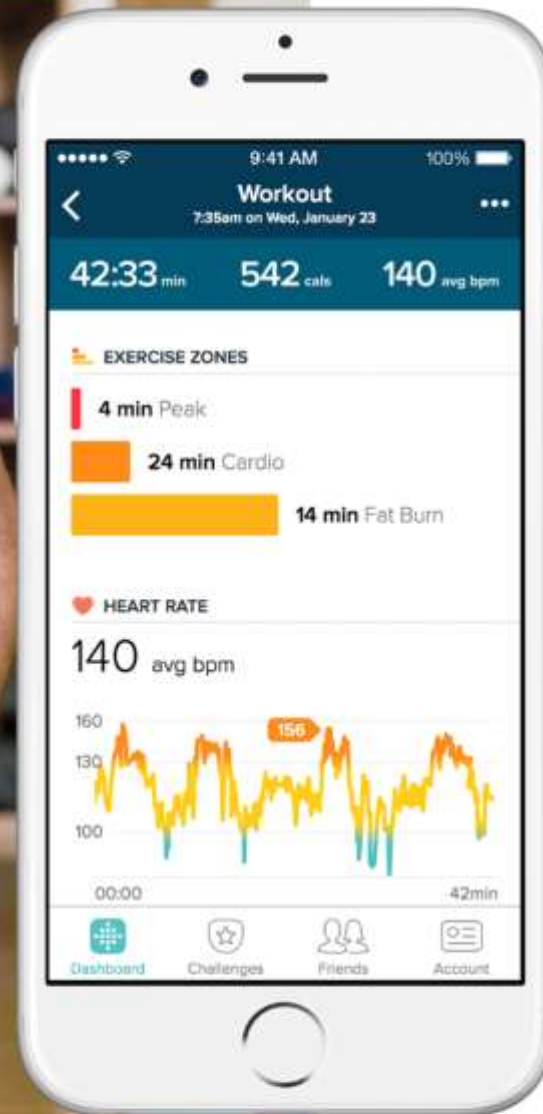
CANCEL CHECK-IN

**SEP 20 2016** Office Visit  
Tuesday, September 20, 2016  
12:15 PM  
Marty Seeger, M.D.  
Maple Ridge Family Practice

CANCEL CHECK-IN

PAST

**AUG 18 2016** Chiropractic  
Stan Winston, D.C.  
West Bluff Clinic

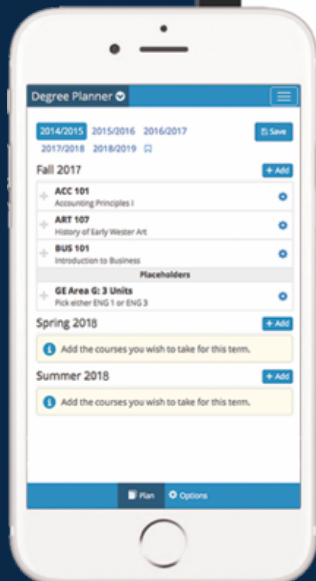
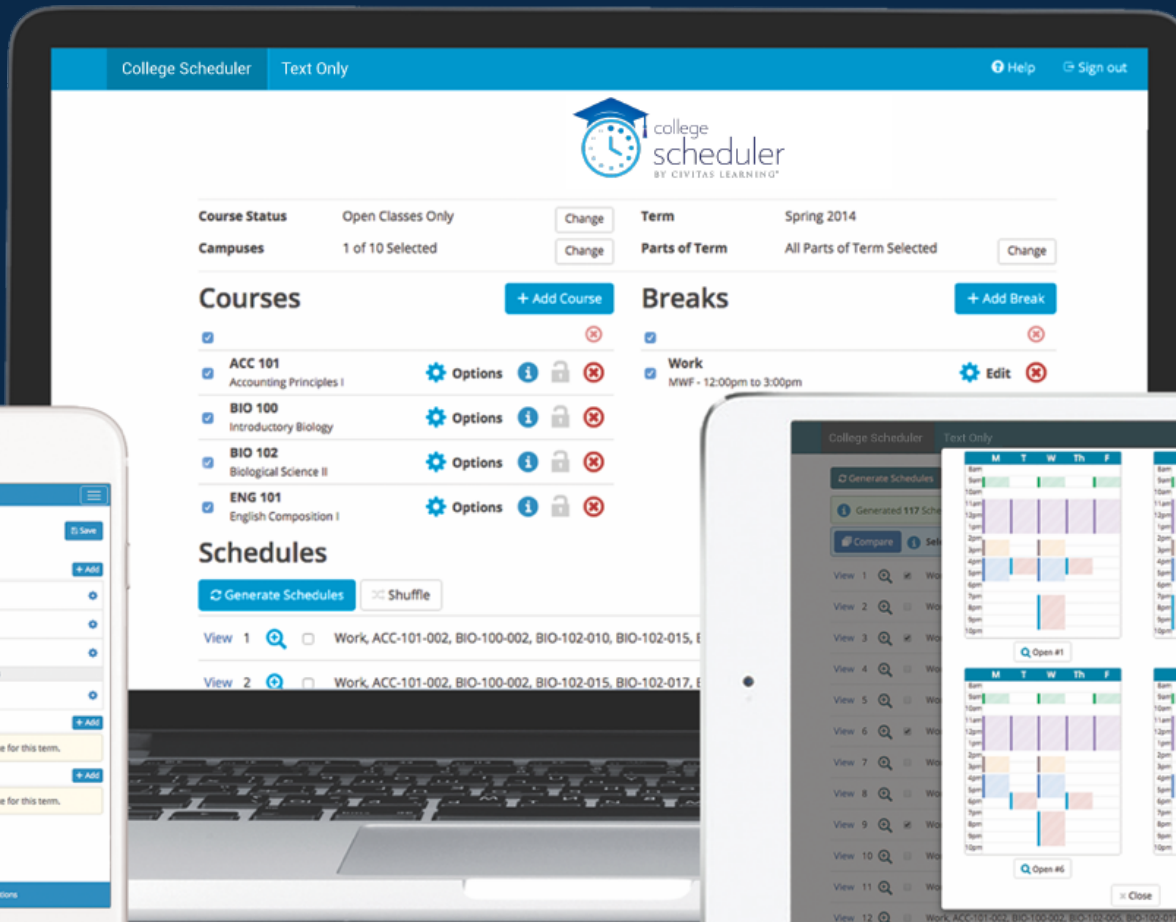








GE's Adventure Series redesigns imaging equipment including MRIs, X-ray machines and CT scanners like the pirate-themed machine pictured here to make the procedures less scary for kids.







search students by first/last name, preferred name, or student ID

## ADVISE



All Students 8,248

My Assigned Students 683

Advising Notes

Alerts

Groups

## ENGAGE



### Engagement Opportunities

Number of Opportunities 6

Students matched to an opportunity 127

Number of opportunities addressed 71

[See all opportunities](#)

Engagement opportunities surface insights to help you prioritize how to best support students. They represent circumstances that are predictive of a student's likelihood to persist and where they could benefit from engaging with support staff.

## CONNECT



### Calendar

Week of Nov 11, 2018

Appointments 14

Events 2

Messages 2 unread

Announcements

Library

Directory

## REPORT



Create Report

Saved Reports

# IMPACT

*An aggregate analysis  
of **over 1000**  
initiatives run by 55  
unique institutions of  
varying size and sector  
has shown the  
following to date:*

60%

Of analyzed initiatives  
have a **statistically  
significant positive**  
impact

4%

Of analyzed initiatives  
have a **statistically  
significant negative**  
impact

36%

Of analyzed initiatives  
have **no measurable  
impact**

2.91%

Average lift for programs  
with **statistically significant  
positive** impact

## AT COMMUNITY COLLEGES, THE STORY IS A LITTLE DIFFERENT ...

**70%**  
of initiatives

*show a statistically  
significant positive  
impact...*

**...but 9%**  
of the students participating  
in these “successful” initiatives  
*WERE NOT positively impacted.*



**30%**  
of initiatives

*show little to no statistically  
significant impact...*

**...of these**  
almost no participating  
students saw *any* positive impact.





# COMMUNITY COLLEGE TOP 5

1. Student Success Seminars/Classes
2. Advising
3. Activities/Events
4. Tutoring: Math
5. Financial Aid

\*Nudging

1

**Seminars**  
**5.00%**  
average lift

Student success or first year seminars consistently demonstrate the highest overall average lift in persistence for community colleges, with 100% of analyses showing a statistically significant positive impact.

2

**Advising**  
**4.50%**  
average lift

Advising services demonstrate the second highest overall average lift in persistence, but is more challenging to do well, with 77% of analyses showing a statistically significant result.

3

**Activities**  
**4.00%**  
average lift

Student engagement in co-curricular clubs and events demonstrates the third highest overall lift in persistence and is done well consistently. 100% of event-related analyses showed a statistically significant positive impact.





**20% increase  
in retention**

.....

**53% more degrees  
& credentials awarded**

.....

**35% more graduates**

STUDENT  
SUCCESS IS  
ABOUT PEOPLE

FEATURING  
CIVITAS LEARNING  
PARTNER INSTITUTIONS

LEARNING

# BRIEF



COLLECTIVELY WORKING SMARTER & FASTER  
USING ANALYTICS TO BREAK THROUGH PERFORMANCE PLATEAUS

**UNIVERSITY OF SOUTH FLORIDA®**

## CLOSING EQUITY GAPS, HITTING HISTORIC HIGHS IN STUDENT OUTCOMES, AND REACHING PREEMINENCE: REFLECTIONS ON THE LEADERSHIP JOURNEY AT USF

MARK MILLIRON | MARCH 3, 2019 | UNCATEGORIZED | [ADD REPLY](#)



After a conversation on the student success journey of the University of South Florida (USF) with their president, Dr. Judy Genshaft, and vice president for student success, Paul Dosai, I began reflecting on two of my recent reads. The first was *Enlightenment Now* by Steven Pinker; the second was *Atomic Habits* by James Clear. Pinker's book makes the compelling case that all the click-bait

catastrophe stories and modern-news-media pile ons about how things are going to 'Hades in a hand basket' notwithstanding, you *absolutely can* reach big goals.



# Predictive Analytics in Higher Education

Five Guiding Practices for Ethical Use

By: Manuela Ekowo, Iris Palmer

*Last updated on March 6th, 2016*





# EXTRA-ACADEMIC INNOVATION



## — STATE OF STUDENTS RESEARCH OVERVIEW —

- 25-question national survey
  - *1,545 current US students*
- Statistically significant
  - 95% confidence level

# $\frac{1}{4}$ of students

state that it will be difficult  
or very difficult to finish



# The Big List

## Top challenges faced by students in their higher ed experience:

Choosing my major

Choosing which classes I need to take

Finding a course schedule that works for me each term

Balancing classes and work

Affording tuition, fees and textbooks

Affording non-academic expenses like rent, transportation, and groceries

Navigating financial aid

Navigating my academic pathway to graduation  
(*e.g. term-over-term planning*)

Registering for classes

Completing all the administrative requirements  
(*paperwork, meeting deadlines, etc.*)

Meeting academic deadlines

Balancing social activities and classwork

Making time to study

Knowing where to go when I need help with my studies

Adjusting to college life  
(*on my own, new friends, etc.*)

Balancing college classes and work at the same time

Balancing college classes and family commitments



## GAINING DEEPER UNDERSTANDING OF HIGH GPA DEPARTURES



98% of institutions in this study are losing more students above 2.0 GPA than below it.

---

*This benchmark is based on a data set of 4 million students from 62 institutions.*





# CAMPAIGN: HIGH GPA, LOW-MODERATE PERSISTENCE

## Outreach Goal

- Come to advising, persistence

## Students Targeted

- Undergraduate, GPA 3.0-4.0 w/ low persistence likelihood

## Outreach Owner

- Illume Working Group pulls student list, creates case for advisors

## Strategy

- Sent before spring midterms

### Sample Email: We're Proud of You!

Hi <student first name>,

I wanted to send you a note to see how your semester is going. College can be challenging this time of year and even the most successful students can struggle. Common challenges for students include job commitments, family responsibilities, financial pressures, transportation issues, or a combination of these and other issues. Do any of these sound familiar to you?

If you are experiencing any of these issues, or other things, I am here to help!

I am proud of your progress and excited to support your continued success.

Sincerely,

<Advisor Name>



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Education Level ▾

Standard ▾

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## ABOUT THE HOPE CENTER

Too many students leave college without credentials because life, logistics, and a lack of money got in the way. These #RealCollege students are the new majority, but they are often ignored. The Hope Center for College, Community, and Justice is home to an action research team using rigorous research to drive innovative practice, evidence-based policymaking, and effective communications to support #RealCollege students.

[READ MORE](#)

## LISTENING TO STUDENTS' VOICES4CHANGE

MARK MILLIRON | JULY 24, 2018 | [UNCATEGORIZED](#) | [ADD REPLY](#)



Last week, we saw the announcement of the [Hope Center for College, Community, and Justice](#), the next generation of the highly successful Wisconsin Hope Lab. The new center, located at Temple University, will continue and deepen the research and innovation aimed at helping striving students succeed in higher

education, even as they are wrestling with serious challenges such as housing insecurity, food insecurity, transportation, childcare and more,

UNIVERSITY OF THE  
WITWATERSRAND,  
JOHANNESBURG







# **Advancing Conversations**

*The Many Faces of Student Success*

*Digital Transformation and Cultures of Care*

*Extra-Academic Innovation*

Phoenix, Arizona >

HOURLY 10 DAY



Compare Business Software

Phoenix, Arizona >



Mapbox

Manage Clients With Ease

Phoenix, Arizona >

## ALERTS

### SEVERE THUNDERSTORM WATCH

Sun 3:47 PM to Sun 11:00 PM

### DANGEROUS THUNDERSTORM ALERT

Sun 6:04 PM to Sun 6:49 PM

### DUST STORM WARNING

Sun 6:05 PM to Sun 6:45 PM

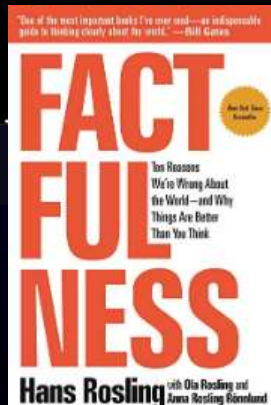
### DUST STORM ADVISORY

Sun 5:57 PM to Sun 6:30 PM



“

People often call me an optimist, because I show them the enormous progress they didn't know about. That makes me angry. I'm not an optimist. That makes me sound naive. I'm a very serious “possibilist”. That's something I made up. It means someone who neither hopes without reason, nor fears without reason, someone who constantly resists the overdramatic worldview. As a possibilist, I see all this progress, and it fills me with conviction and hope that further progress is possible. This is not optimistic. It is having a clear and reasonable idea about how things are. It is having a worldview that is constructive and useful.



Factfulness by Hans Rosling

# MARK DAVID MILLIRON

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