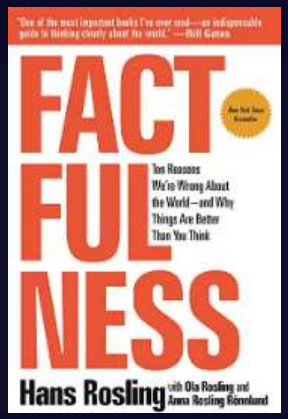
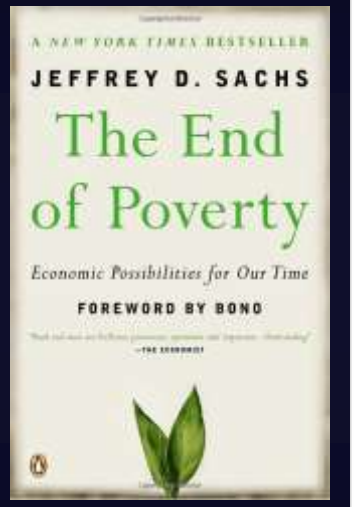
Meeting the Moment

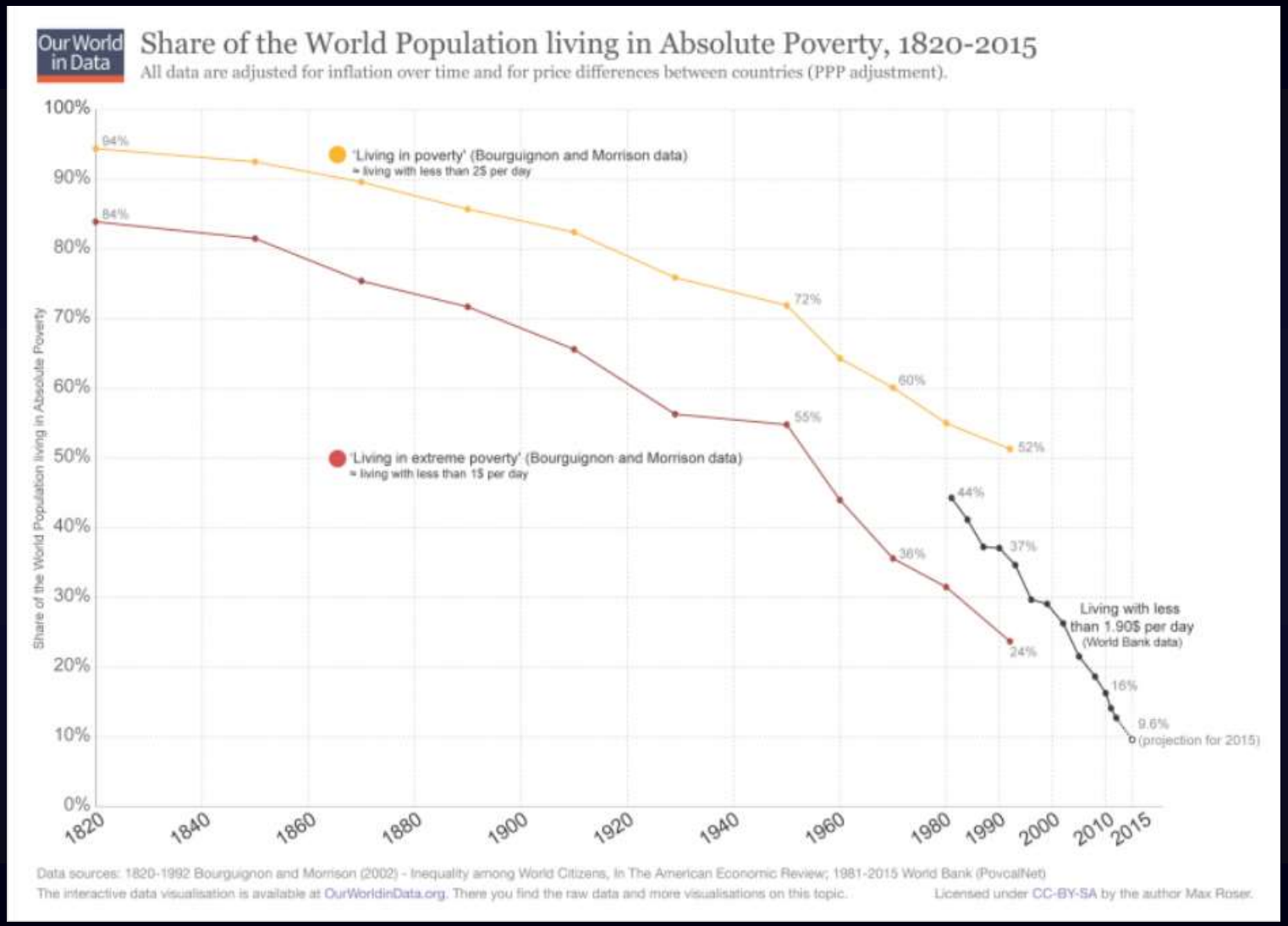
Bringing Forward the Best of Online and Blended Learning Innovation

Mark David Milliron
mark.milliron@wgu.edu



"I'm not an optimist. That makes me sound naïve. I'm a very serious 'possibilist' . . . It means someone who neither hopes without reason, nor fears without reason, someone who constantly resists the overdramtic worldview. As a possibilist, I see all this progress, and it fills me with conviction and hope that further progress is possible . . . It is having a clear and reasonable idea about how things are. It is having a worldview that is constructive and useful."


A NEW YORK TIMES BESTSELLER
JEFFREY D. SACHS
The End of Poverty
Economic Possibilities for Our Time
FOREWORD BY BONO


Our World in Data
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).
Share of the World Population living in Absolute Poverty
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
1820
1840
1860
1880
1900
1920
1940
1960
1980
1990
2000
2010
2015
94%
84%
72%
60%
52%
55%
38%
24%
44%
37%
16%
9.6%
'Living in poverty' (Bourguignon and Morrison data)
≈ living with less than 2$ per day
'Living in extreme poverty' (Bourguignon and Morrison data)
≈ living with less than 1$ per day
Living with less than 1.90$ per day
(World Bank data)
(projection for 2015)
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. There you find the raw data and more visualisations on this topic.
Licensed under CC-BY-SA by the author Max Roser.

NEWS

OPINION: The biggest danger to U.S. higher education? Losing 20 years' worth of gains in access for first-generation and minority students

'This pandemic is a perfect storm that could wash away hard-won progress'

by **TED MITCHELL**
August 11, 2020

The Hechinger Report is a national nonprofit newsroom that reports on one topic: education. Sign up for our weekly newsletters to get stories like this delivered directly to your inbox.

What COVID-19 Means For Community Colleges

Essays • Communications Staff • Monday, 08 February 2021

From enrollment to instruction, no part of open-access postsecondary education has remained untouched by the coronavirus. Since the pandemic began, our researchers have written several blog posts and contributed to dozens of news stories related to the community college sector's response and its future, all of which you'll find below. We will continue to update this page, as well as our COVID-19 blog series, as this crisis continues.

How Much Has Covid Cost Colleges? $183 Billion

The financial situation is dire. But colleges that stay focused have a fighting chance.

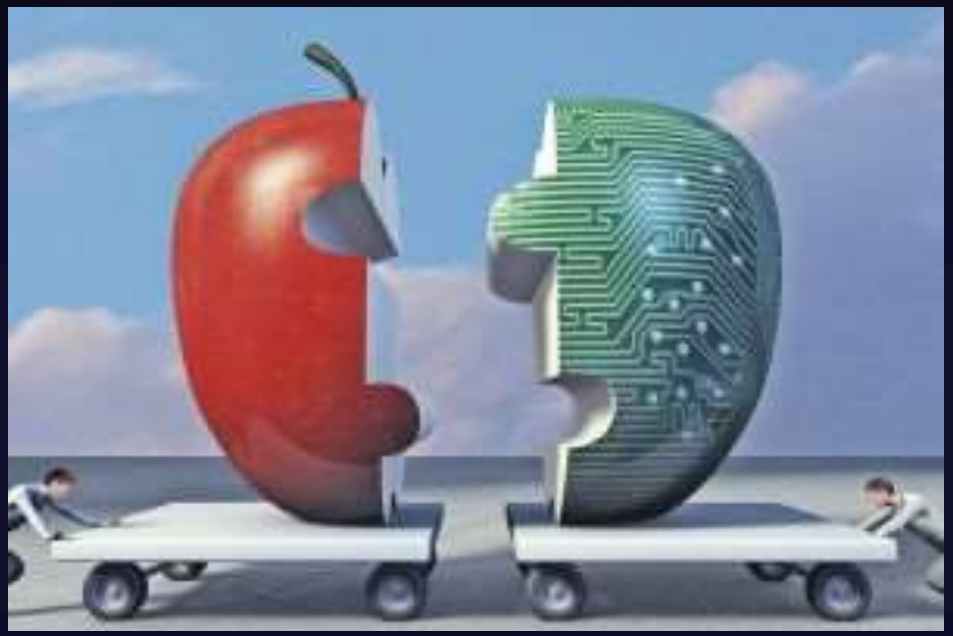
Meeting the Moment

- *Content, Context, & Community*
- *Data Science, Domain Experience, & Design Thinking*
- *Innovators to CASE*

Content, Context, & Community

Face to Face Infrastructure

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



Online Infrastructure

*Zoom/Teams/GHO
*Learning Mgt Systems
*Content Repositories
*OER/OPM
*Social Networks
*Mobile Apps
*Website

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

Pew Research Center
Internet & Technology

75%

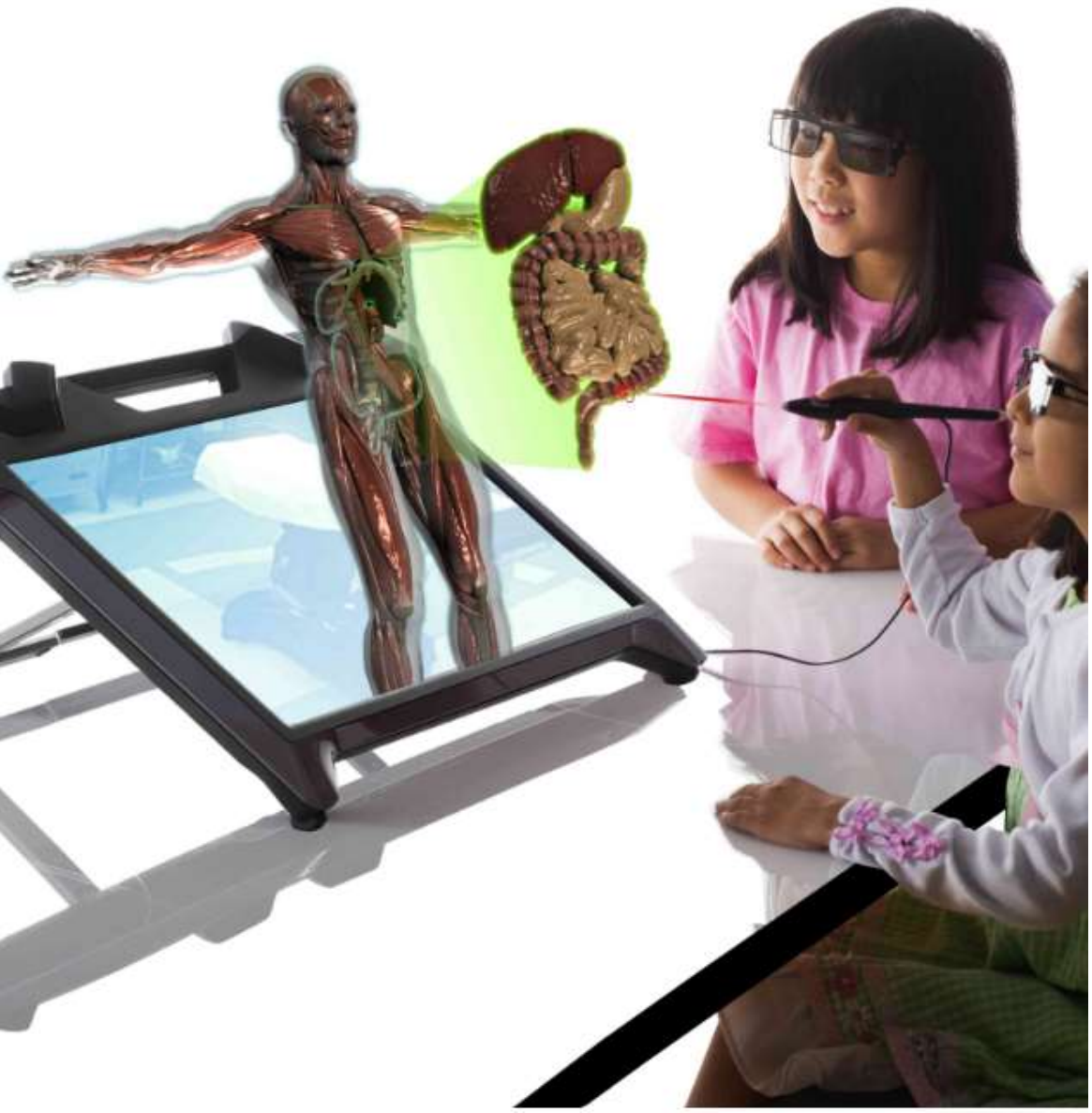
believe using personal devices in the classroom has improved their ability to learn

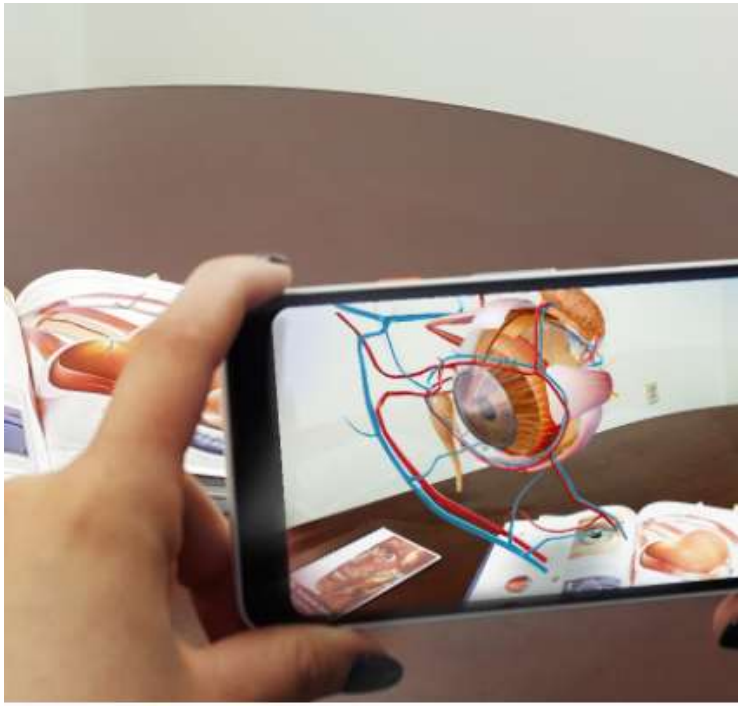
58%

use their phones to take pictures of lecture slides

39%

use mobile devices to access a digital textbook





Education

Learn something new each day with these educational apps!

Popularity

Ocean Rift
$9.99

Wonders of the World
Free

Titans of Space
$4.99

Chernobyl VR Project
$4.99

House of Languages VR
$4.99

Apollo 11 VR Mobile
$4.99

Dinosaurs!
$0.99

Oculus 360 Photos
Free

Solar System
$2.99

Raising A Rukus
$3.99

Human Anatomy VR Complete Edition
$19.99

Gala360 - Travel & Relax
Free

The Body VR
Free

Fearless
$4.99

Hello Mars
$4.99

Discovering Space
$2.99

Mursion

Services Resources Platform About REQUEST A DEMO

VR for EQ. Simulations for essential workplace skills.

"The high-tech solution for becoming more empathetic."

FAST COMPANY

TRY IT NOW →

An Open Letter to Students:

You're the Game Changer in Next-Generation Learning

By Mark David Milliron

- Purpose
- Engagement
- Mindset
- Tenacity

Data Science, Domain Expertise, and Design Thinking

cie

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Current Archives Announcements For Authors For Reviewers Ethics Policy About

Home / Archives / Vol 22 No 1 (Sp Iss) (2021) / Shaping the Futures of Learning in the Digital Age

Catalyzing a Culture of Care and Innovation Through Prescriptive and Impact Analytics To Create Full-Cycle Learning

PDF

Published: Jan 7, 2021

Keywords:
Machine learning, data-driven decision making, prediction-based propensity score matching, prescriptive analytics, student success knowledge base, influence diagram, change management, Real-world data, Real-world evidence, impact prediction, impact elasticity

David Kil
Civitas Learning

Angela Baldasare
Civitas Learning

Mark Milliron
Western Governors University

Abstract

Student success, both during and after college, is central to the mission of higher education. Within the higher-education and, more specifically, the student-success context, the core raison d'être of machine learning (ML) is to help institutions achieve their social mission in an efficient and effective manner. While there should be synergy among people, processes, and ML, this synergy is not often realized because ML algorithms do not yet connect the dots on fully understanding and strategically fostering student success. Transitioning from risk to impact prediction is a catalyst for institutional transformation, which can lead to continuous learning and student-success process innovation. This paper explores how ML can complement and facilitate organizational transformation in promoting a culture of care and innovation through virtuous full-cycle learning.

How to Cite

Kil, D., Baldasare, A., & Milliron, M. (2021). Catalyzing a Culture of Care and Innovation Through Prescriptive and Impact Analytics To Create Full-Cycle Learning. *Current Issues in Education*, *22*(1 (Sp Iss). Retrieved from https://cie.asu.edu/ojs/index.php/cieatasu/article/view/1903

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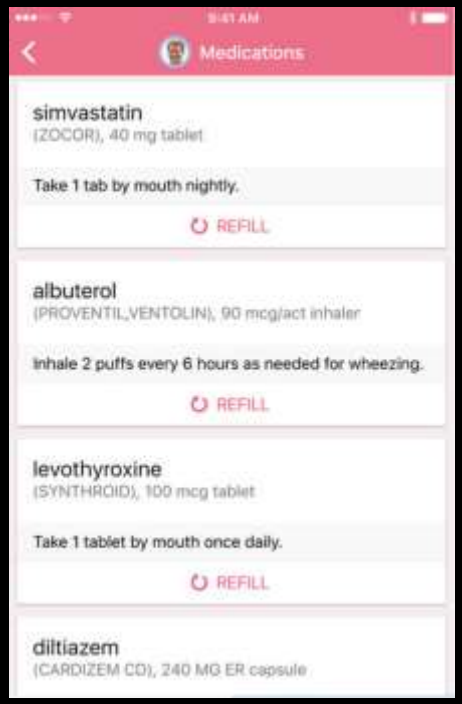
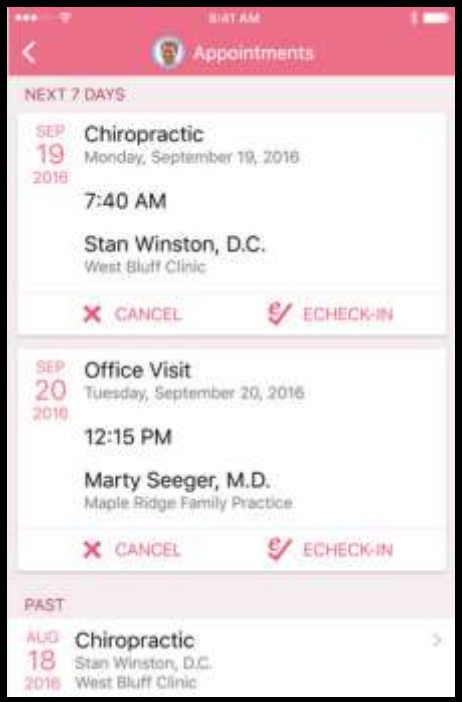
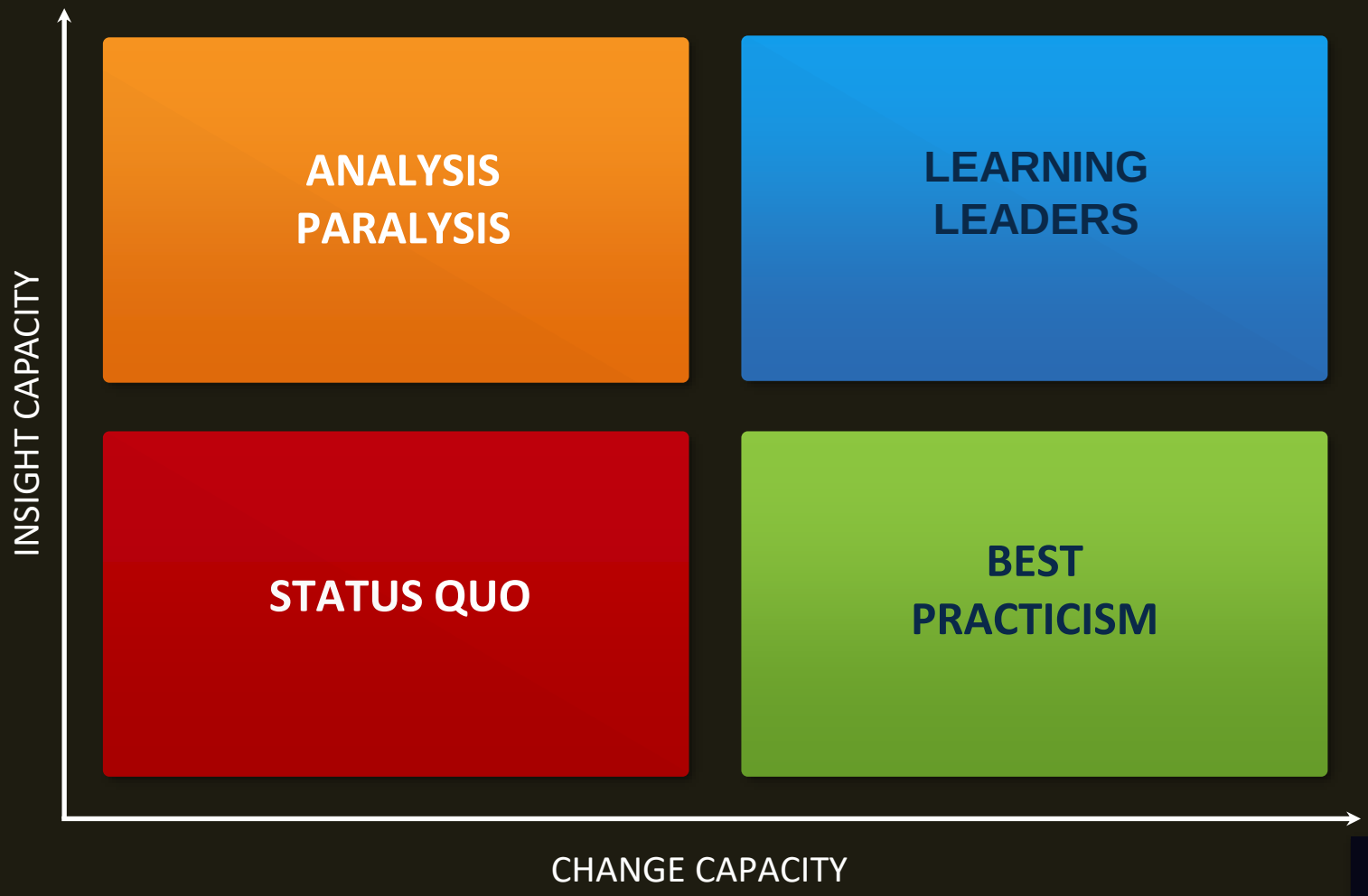
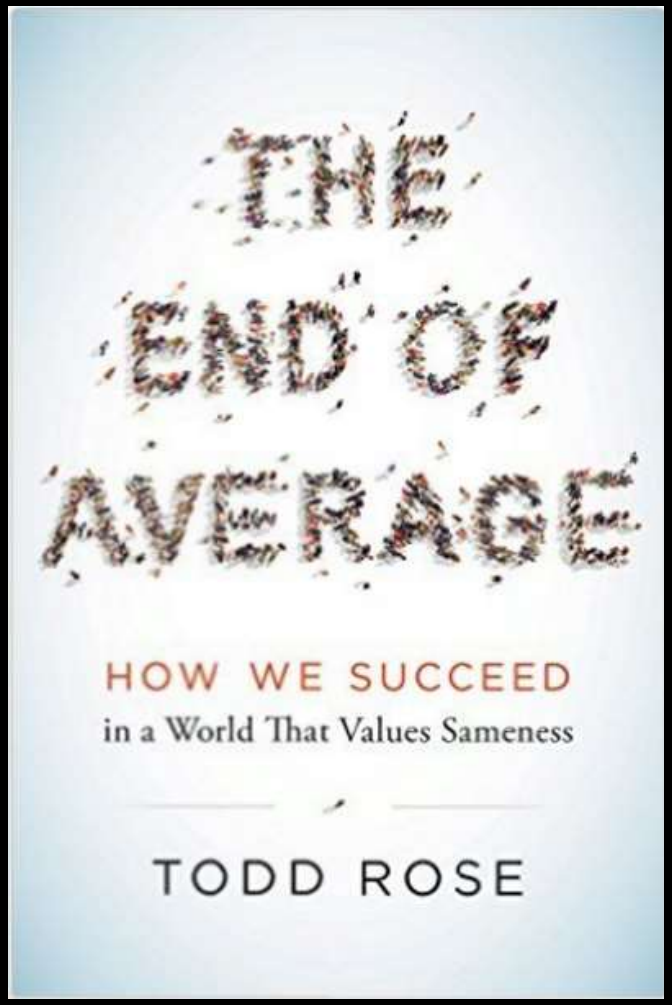


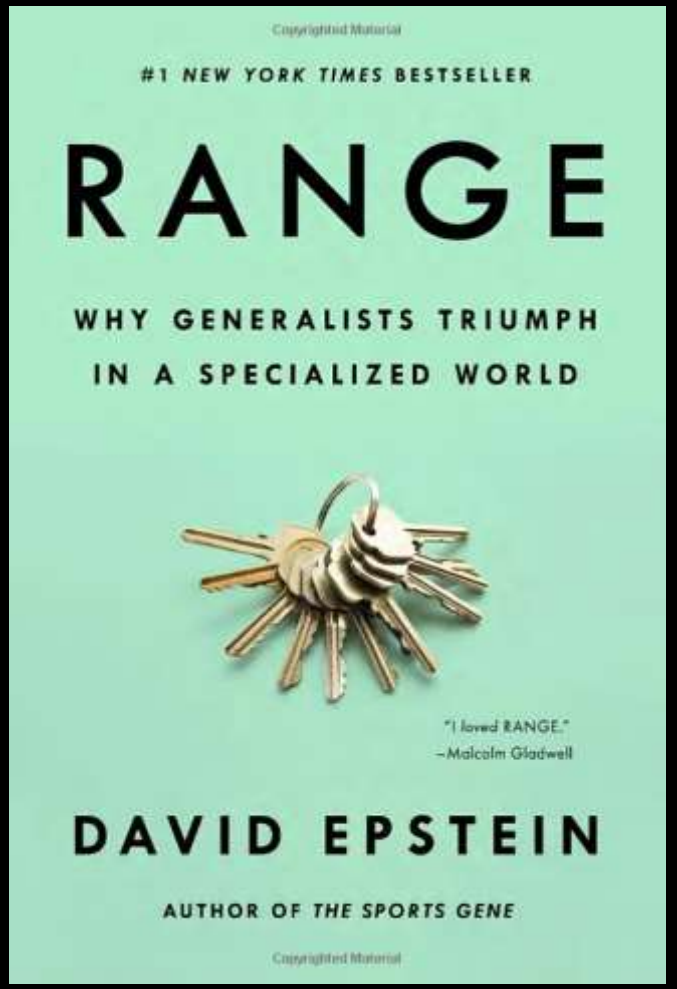


9:41 AM
100%
Workout
7:35am on Wed, January 23
42:33 min
542 cals
140 avg bpm
EXERCISE ZONES
4 min Peak
24 min Cardio
14 min Fat Burn
HEART RATE
140 avg bpm
160
130
100
156
00:00
42min
Dashboard
Challenges
Friends
Account

LEARNING LEADERS MATRIX




THE END OF AVERAGE
HOW WE SUCCEED
in a World That Values Sameness
TODD ROSE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RANGE
WHY GENERALISTS TRIUMPH
IN A SPECIALIZED WORLD
"I loved RANGE."
–Malcolm Gladwell
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AUTHOR OF THE SPORTS GENE
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STUDENT
SUCCESS IS
ABOUT PEOPLE

FEATURING
CIVITAS LEARNING
PARTNER INSTITUTIONS

LEARNING

BRIEF

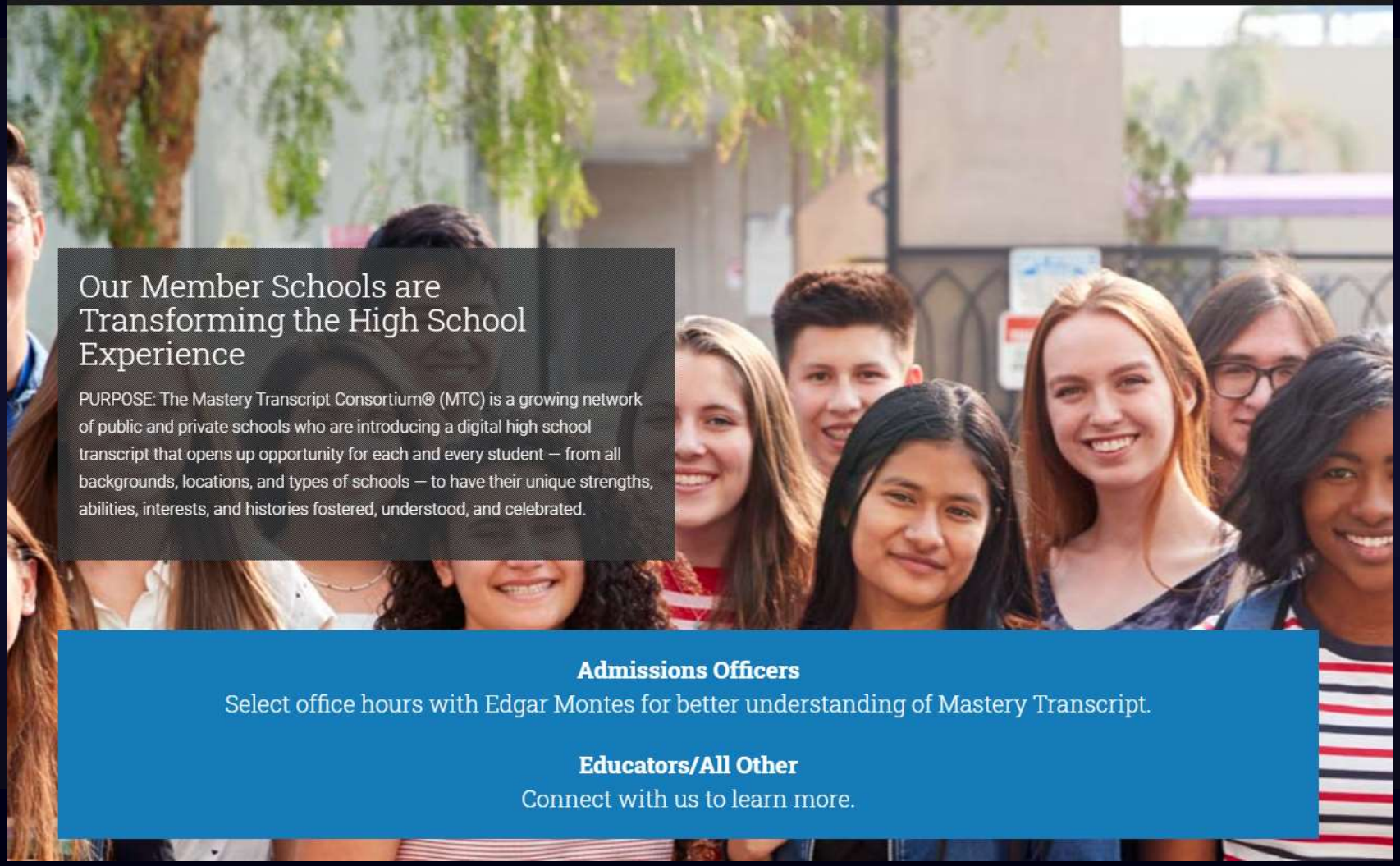
COLLECTIVELY WORKING SMARTER & FASTER

USING ANALYTICS TO BREAK THROUGH PERFORMANCE PLATEAUS

UNIVERSITY OF SOUTH FLORIDA®

Innovators to CASE

WGU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Why The Transcript
News & Insight
Learn More
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PURPOSE: The Mastery Transcript Consortium® (MTC) is a growing network of public and private schools who are introducing a digital high school transcript that opens up opportunity for each and every student — from all backgrounds, locations, and types of schools — to have their unique strengths, abilities, interests, and histories fostered, understood, and celebrated.
Admissions Officers
Select office hours with Edgar Montes for better understanding of Mastery Transcript.
Educators/All Other
Connect with us to learn more.

Juliet Guastella
1 Main Street
Burlington, VT 05401

Juliet believes in the principle of choosing one's own path. Driven by the notion of making the world a better place, her strengths lie within places she can help others succeed and realize their importance

CREDITS

COURSES

Enosburg Falls High School - SAMPLE (460130)
65 Dickinson Ave
Enosburg Falls, VT 05450
Link to school profile

AUTHORIZED BY
John Smith

DATE
4/7/2020

MTC MASTERY TRANSCRIPT CONSORTIUM™

Credit Profile

Distribution of credits earned by student.

Filter by ☐ Advanced ☐ Foundational

Credit Distribution

Foundational Credit (FC) — Advanced Credit (AC)
In progress FC - - - In progress AC

Transferable Skills 0 12

- Self-direction
- Generate solutions
- Evaluate information
- Synthesize information
- Apply knowledge
- Making a difference
- Respecting diversity
- Practicing responsible digital citizenship
- Use technology effectively
- Taking responsibility
- Collaboration
- Identify and define problems

The Arts 0 4

- Performing
- Connecting
- Creating
- Responding

Health & Physical Education 1 3

- Physical health
- Social emotional health
- Sexual health
- Leadership Advanced

Science & Mathematics 1 6

- Statistical reasoning
- Algebraic reasoning
- Geometric reasoning
- Scientific experimental design
- Scientific explanation
- Scientific modeling
- Advanced Statistical Reasoning Advanced

Disciplinary Literacy 1 6

- Central Ideas
- Language Analysis
- Analyzing Claims
- Writing
- Advanced Writing Advanced
- Vocabulary
- Conventions

Evidence

Featured work selected by the student.

Synthesize information

Unethical Medical Research During the Holocaust
An extensive research paper outlining the research atrocities conducted by Nazis onto p...

Scientific experimental design

Physics in Movies: Batman's High Dive
A physics report that unravels the possibility of performing the famous Batman High Div...

Geography

Cult Museum Project: Exploring Cults in Fiction
A deep dive into a specific cult from HBO's Game of Thrones known as the Faceless Men. ...

Research

Gorilla Project: "Youthful Offenders"
My Gorilla Project about the state of Vermont's law change regarding who is considered ...

Civics

Did the Constitution Establish a Just Government?
An essay outlining Juliet's opinion regarding the Constitution's ability to create a ju...

Leadership Advanced

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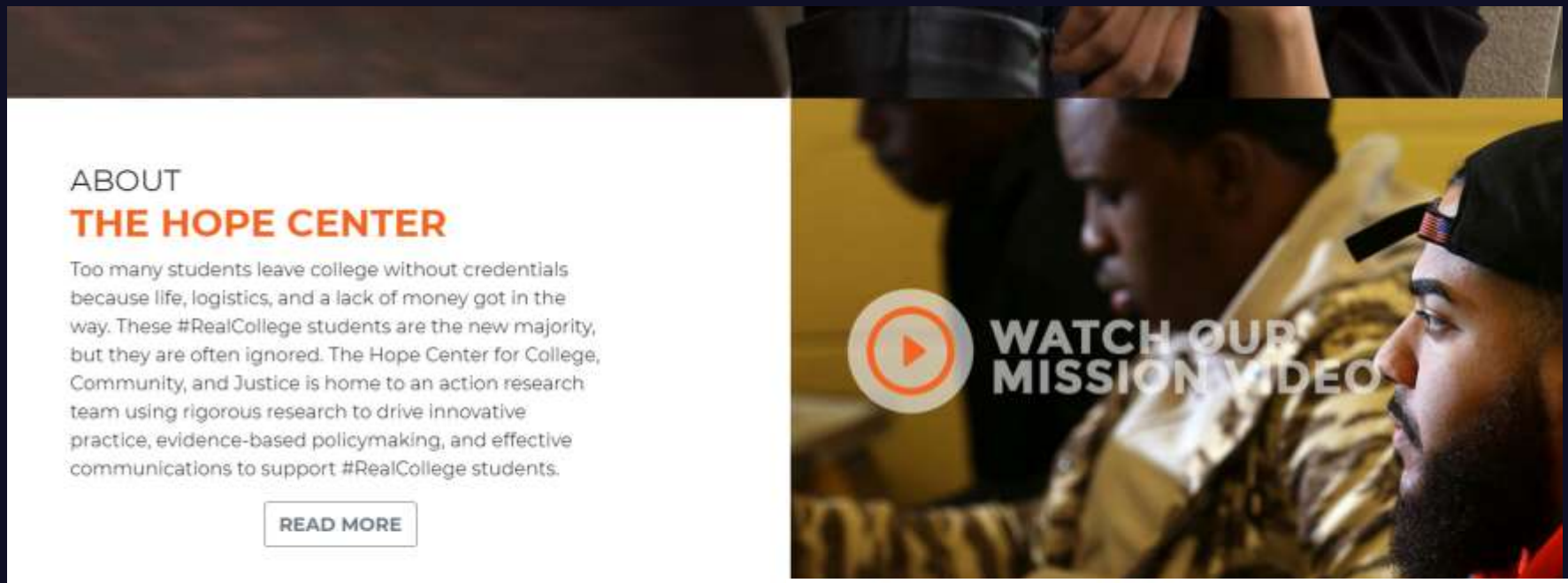

ABOUT

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.

SIEMENS
MAGNETOM

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.

Meeting the Moment

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FICTION

Thoughts on the Sugar Chair

The empathy running through these age-appropriate stories is breathtaking – even Buddy the dog shows us how to look at things through other's eyes. The young readers and listeners to these stories will be engaged for sure, and will think more about others as result, whether or not they need a little time sitting on the Sugar Chair.

-Andrew T. Watson, Head of School, Albuquerque Academy
Board Member, National Association of Independent Schools

Who wouldn't be well-served by the refrain "Slow down, look around, figure out how to sweeten things up"? The Sugar Chair Stories invite us all to step into the magical land of childhood and the wise lessons of Buddy and his human family. Children of all ages are invited towards the meaningful conclusion that we can always make any situation better when we look to sweeten things up. These stories are a perfect complement to any school our household's goals towards social, emotional and ethical learning.

-Emily McCarren, Ph.D., Academy Principal, Punahou School
Board Member, Global Online Academy

The power of the Sugar Chair and associated stories is in helping children—and adults--slow down, engage in quiet reflection, and plan for "sweetening things up." So necessary in today's world. I'm out looking for a Sugar Chair!

-Suzanne Walsh, J.D., President, Bennett College
Former Deputy Director, Bill & Melinda Gates Foundation

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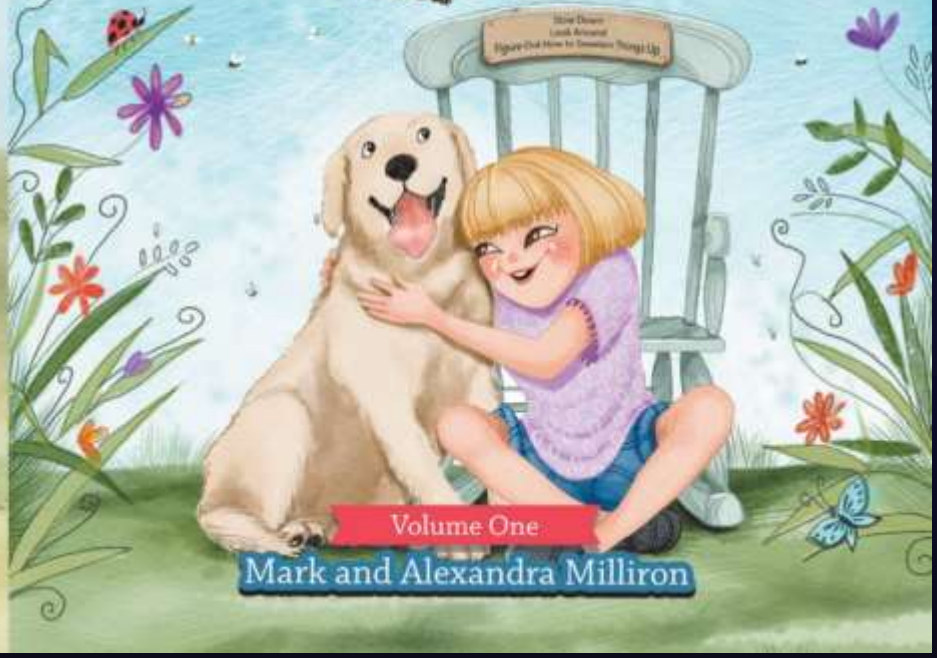
The Sugar Chair Stories



Volume One

Mark and Alexandra Milliron