

A person in a red and black jacket stands on a rocky outcrop, looking out over a vast landscape at sunset. The sun is low on the horizon, casting a warm orange glow across the sky and the distant hills. The person is silhouetted against the bright light of the setting sun.

ON THE HORIZON

TRENDS, CHALLENGES + EMERGING TECHNOLOGIES
IN HIGHER EDUCATION

SAMANTHA ADAMS BECKER + HOLLY LUDGATE | NEW MEDIA CONSORTIUM

NMC HORIZON REPORT 2015 HIGHER ED EDITION



GO.NMC.ORG/2015-HIED

OVERVIEW

➤ ABOUT THE PROJECT

➤ KEY TRENDS ACCELERATING
EDUCATIONAL TECHNOLOGY ADOPTION

➤ SIGNIFICANT CHALLENGES IMPEDING
EDUCATIONAL TECHNOLOGY ADOPTION

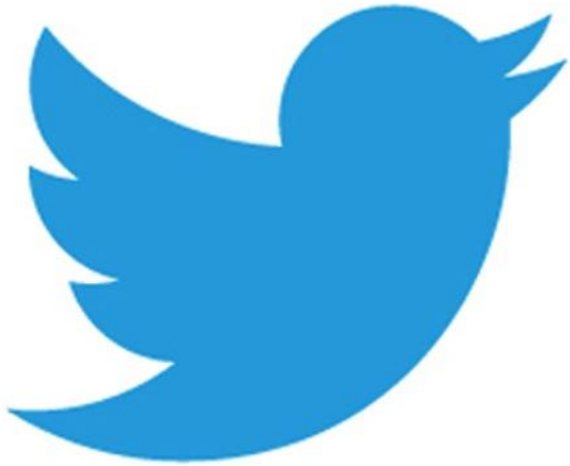
➤ IMPORTANT DEVELOPMENTS IN
EDUCATIONAL TECHNOLOGY



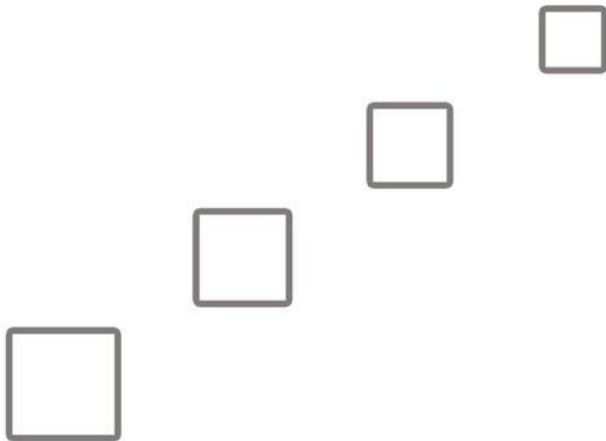
The logo consists of two overlapping white rectangular outlines. The front rectangle is slightly offset to the right and down from the back one. The letters 'NMC' are centered within the front rectangle.

NMC

www.nmc.org



@NMCorg
#NMChz





TRENDS, CHALLENGES,
AND TECHNOLOGIES
FOR HIGHER ED

CHALLENGES

SOLVABLE

- > Blending Formal and Informal Learning
- > Improving Digital Literacy

DIFFICULT

- > Personalized Learning
- > Teaching Complex Thinking

WICKED

- > Competing Models of Education
- > Rewards for Teaching

TRENDS

SHORT-TERM

- > Increasing Use of Blended Learning
- > Redesigning Learning Spaces

1-2 years in each direction

MID-TERM

- > Growing Focus on Measuring Learning
- > Proliferation of Open Educational Resources

3-4 years in each direction

LONG-TERM

- > Advancing Cultures of Change and Innovation
- > Increasing Cross-Institution Collaboration

5+ years in each direction

2016

2017

2018

2019

2020

NEAR-TERM

1 year or less

- > Bring Your Own Device
- > Flipped Classroom

MID-TERM

2-3 years

- > Makerspaces
- > Wearable Technology

FAR-TERM

4-5 years

- > Adaptive Learning Technologies
- > The Internet of Things

TECHNOLOGIES

[KEY TRENDS]

LONG-TERM IMPACT

- > Advancing Cultures of Change + Innovation
- > Increasing Cross-Institution Collaboration

MID-TERM IMPACT

- > Growing Focus on Measuring Learning
- > Proliferation of Open Educational Resources

SHORT-TERM IMPACT

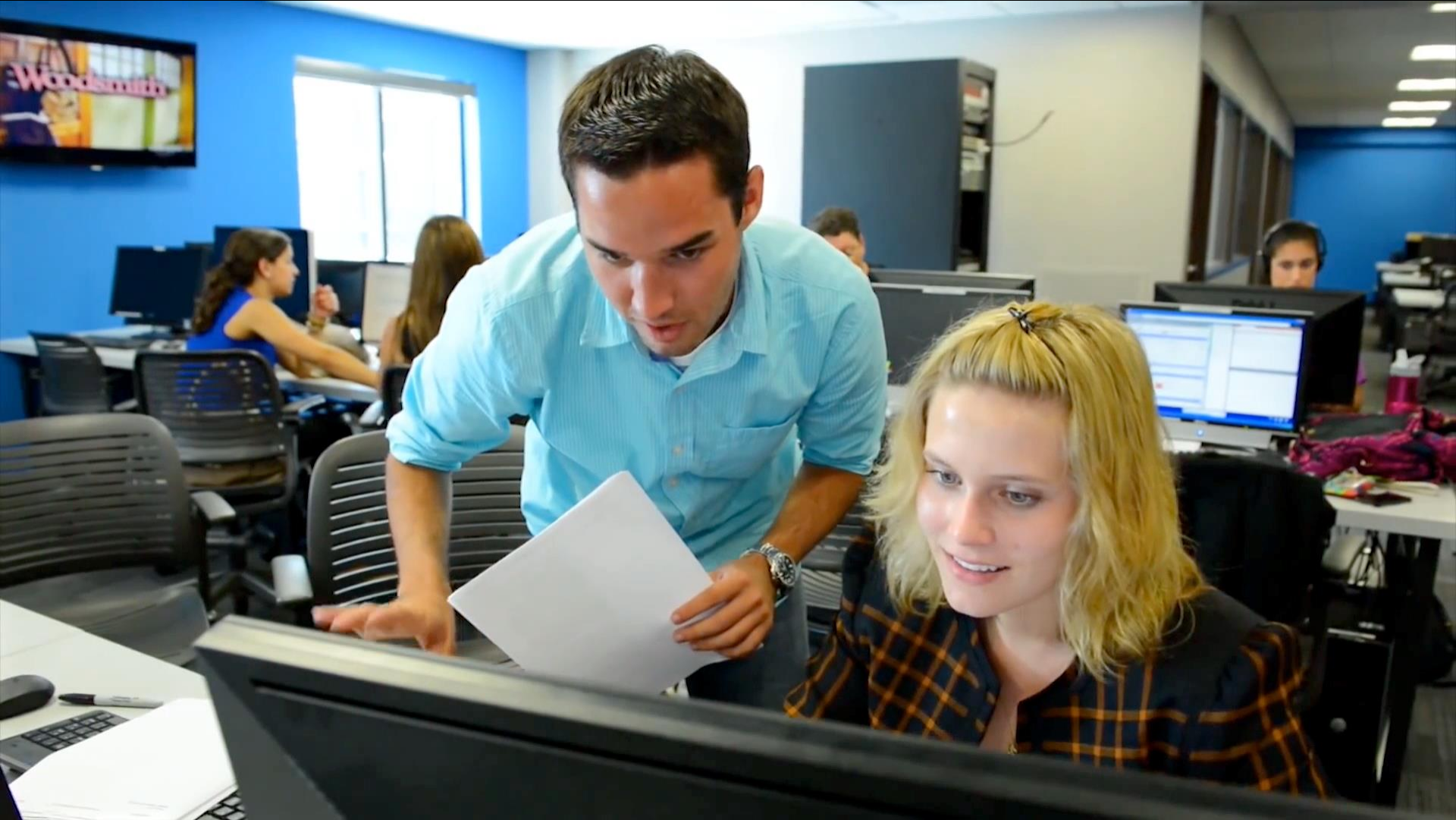
- > Increasing Use of Blended Learning
- > Redesigning Learning Spaces



INNOVATION ACADEMY

UNIVERSITY OF FLORIDA | GO.NMC.ORG/IAUFL





MID-TERM IMPACT

GROWING
FOCUS ON
MEASURING
LEARNING

LONG-TERM IMPACT

ADVANCING
CULTURES OF
CHANGE +
INNOVATION



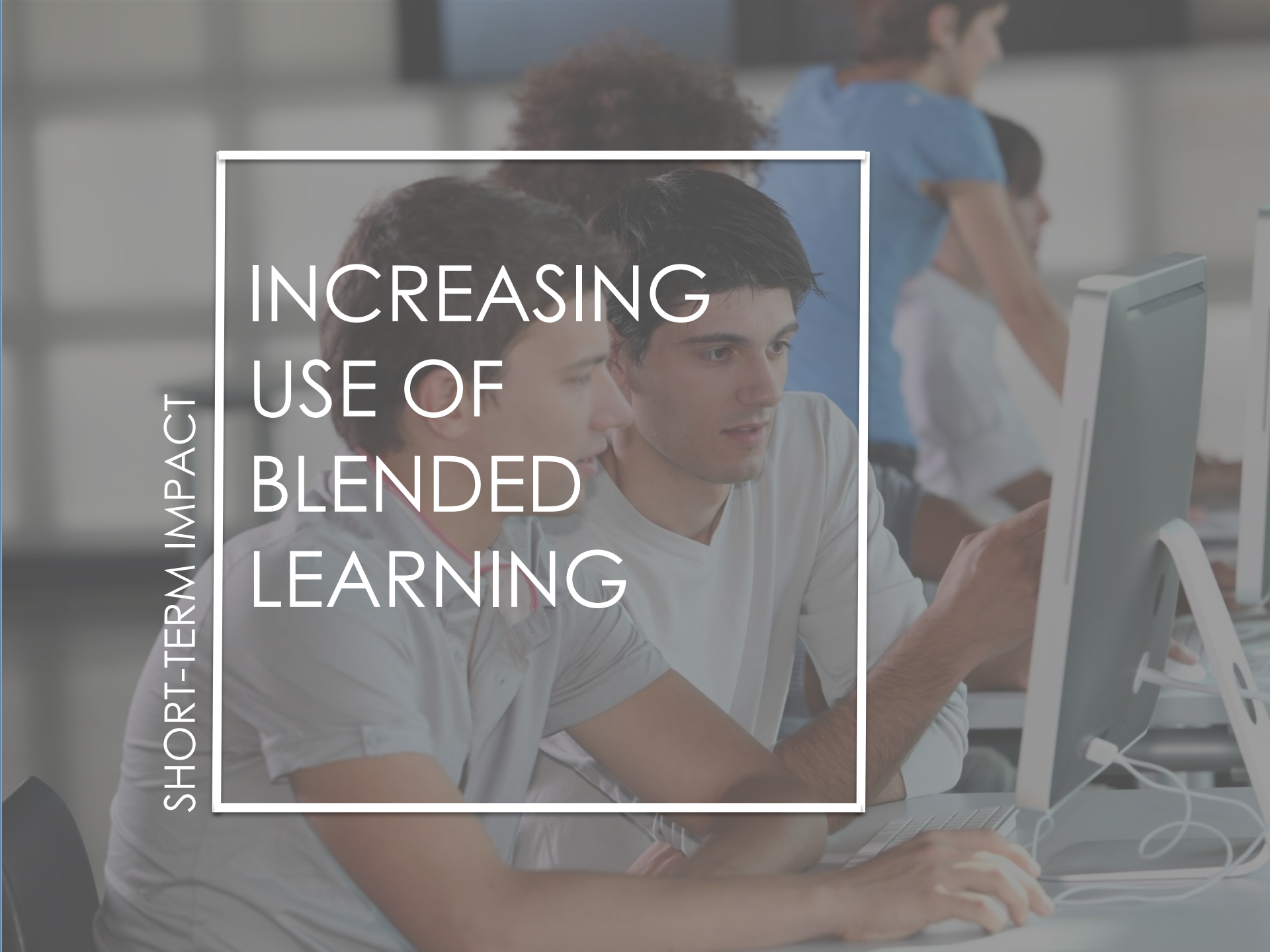


STUDENT SUCCESS SYSTEM

UNIVERSITY OF WISCONSIN | [GO.NMC.ORG/WISCO](https://go.nmc.org/wisco)

SHORT-TERM IMPACT

INCREASING USE OF BLENDED LEARNING





UNBUNDLING THE CLASSROOM

UNIVERSITY OF CENTRAL FLORIDA | [GO.NMC.ORG/UOFCF](https://go.nmc.org/uofcf)

WHAT POSITIVE TRENDS ARE
YOU SEEING AT CSUN
+ HOW CAN THEY BE
ACCELERATED?



#NMCHZ

[SIGNIFICANT CHALLENGES]

SOLVABLE

- > Blending Formal + Informal Learning
- > Improving Digital Literacy

DIFFICULT

- > Personalizing Learning
- > Teaching Complex Thinking

WICKED

- > Competing Models of Education
- > Rewarding Teaching

SOLVABLE

BLENDING FORMAL + INFORMAL LEARNING





LIFELONG LEARNING FESTIVAL

CORK INSTITUTE OF TECHNOLOGY | [GO.NMC.ORG/CORK](https://go.nmc.org/cork)

A group of people in a meeting. A man in a light blue shirt is pointing at a tablet displaying a bar chart. Other people are sitting around the table, some taking notes. The scene is dimly lit, suggesting an indoor setting like a conference room or office.

TEACHING COMPLEX THINKING

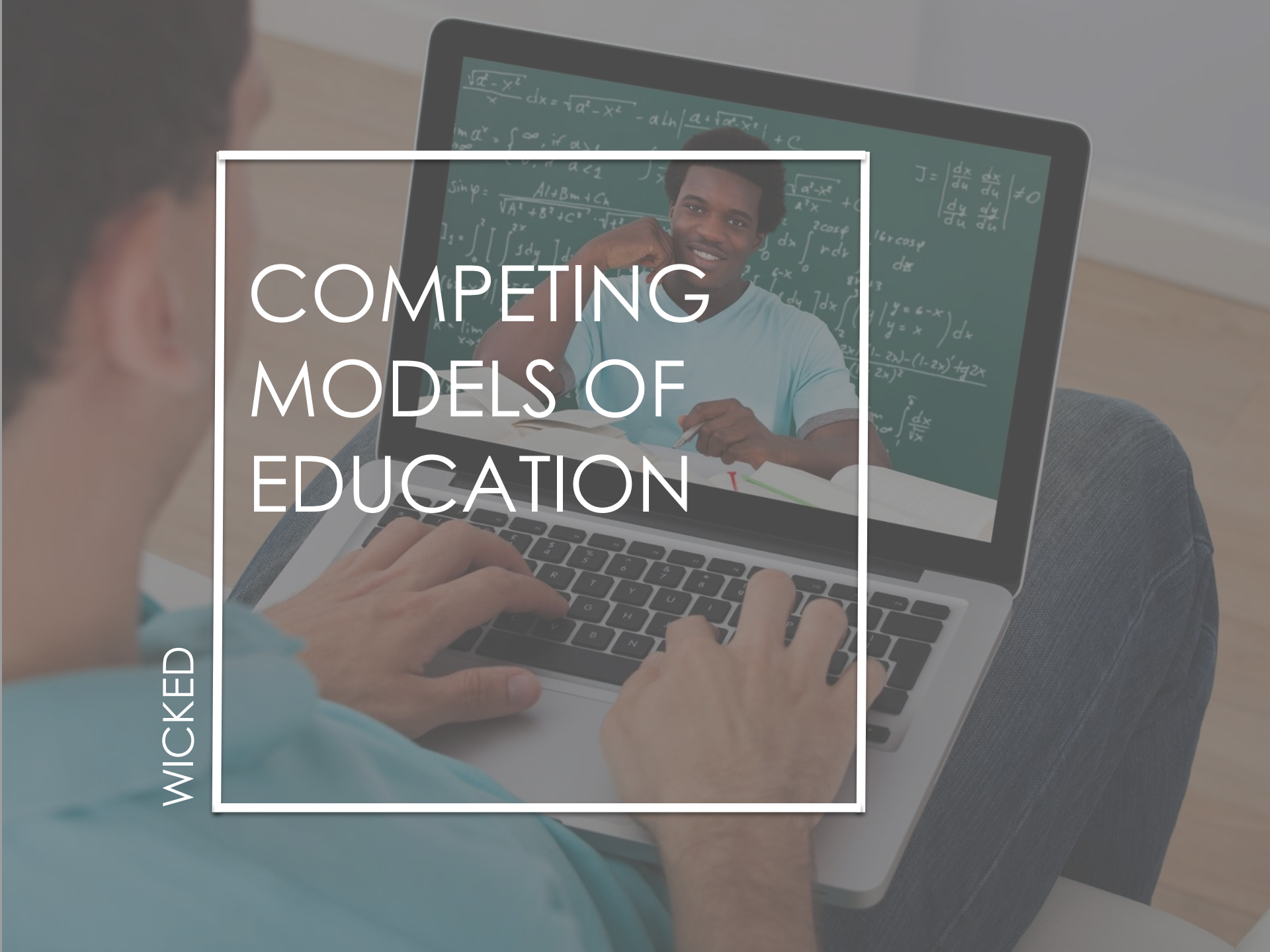
DIFFICULT



THINKING CHAIR

ROCHESTER INSTITUTE OF TECHNOLOGY | GO.NMC.ORG/RIT



A person is sitting at a desk, using a laptop. The laptop screen displays a green chalkboard filled with mathematical equations and formulas. The person's hands are visible on the laptop keyboard. The overall scene is brightly lit, suggesting a classroom or study environment.

COMPETING MODELS OF EDUCATION

WICKED

A photograph of a cable-stayed bridge at sunset. The sky is a vibrant orange and yellow, and the bridge's structure is silhouetted against it. The bridge has two tall, dark pylons with numerous stay cables fanning out to support the deck. The bridge deck is visible on the right side, sloping upwards. The water in the foreground is dark and reflects the light from the sky.

INTERACTIVE VIRTUAL SEMINARS

MINERVA UNIVERSITY | [GO.NMC.ORG/EXPERIENCE](https://go.nmc.org/experience)

WHAT ARE SOME POTENTIAL
SOLUTIONS TO THESE
CHALLENGES? DREAM BIG!



#NMCHZ

NEAR-TERM: 1 YR OR LESS

- > Bring Your Own Device (BYOD)
- > Flipped Classroom

MID-TERM: 2-3 YRS

- > Makerspaces
- > Wearable Technology

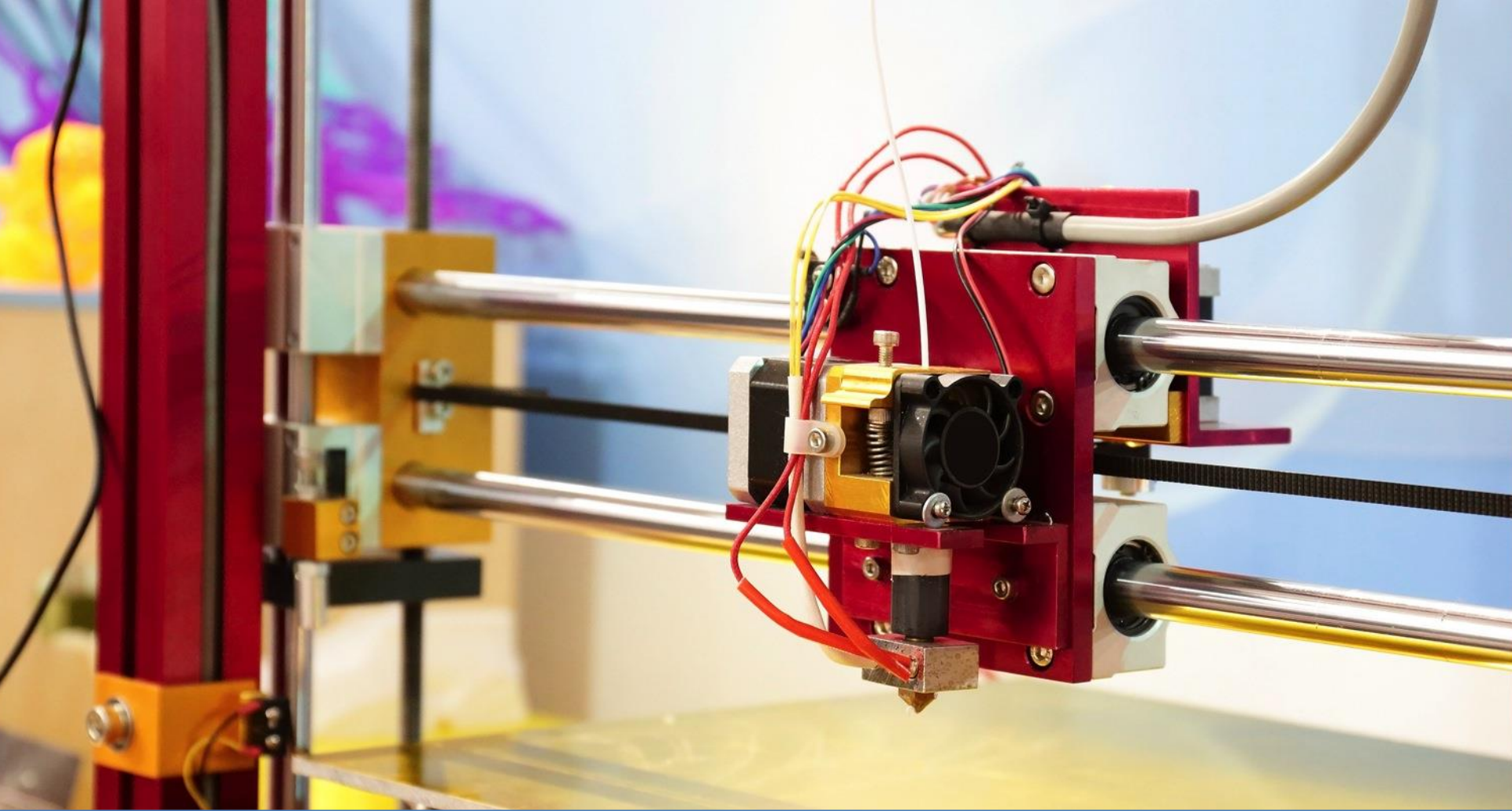
FAR-TERM: 4-5 YRS

- > Adaptive Learning Technologies
- > The Internet of Things

MID-TERM

MAKER SPACES





THE TECHNOLOGY SHOWCASE

GRAND VALLEY STATE UNIVERSITY | GO.NMC.ORG/GVS



MARY IDEMA PEW LIBRARY



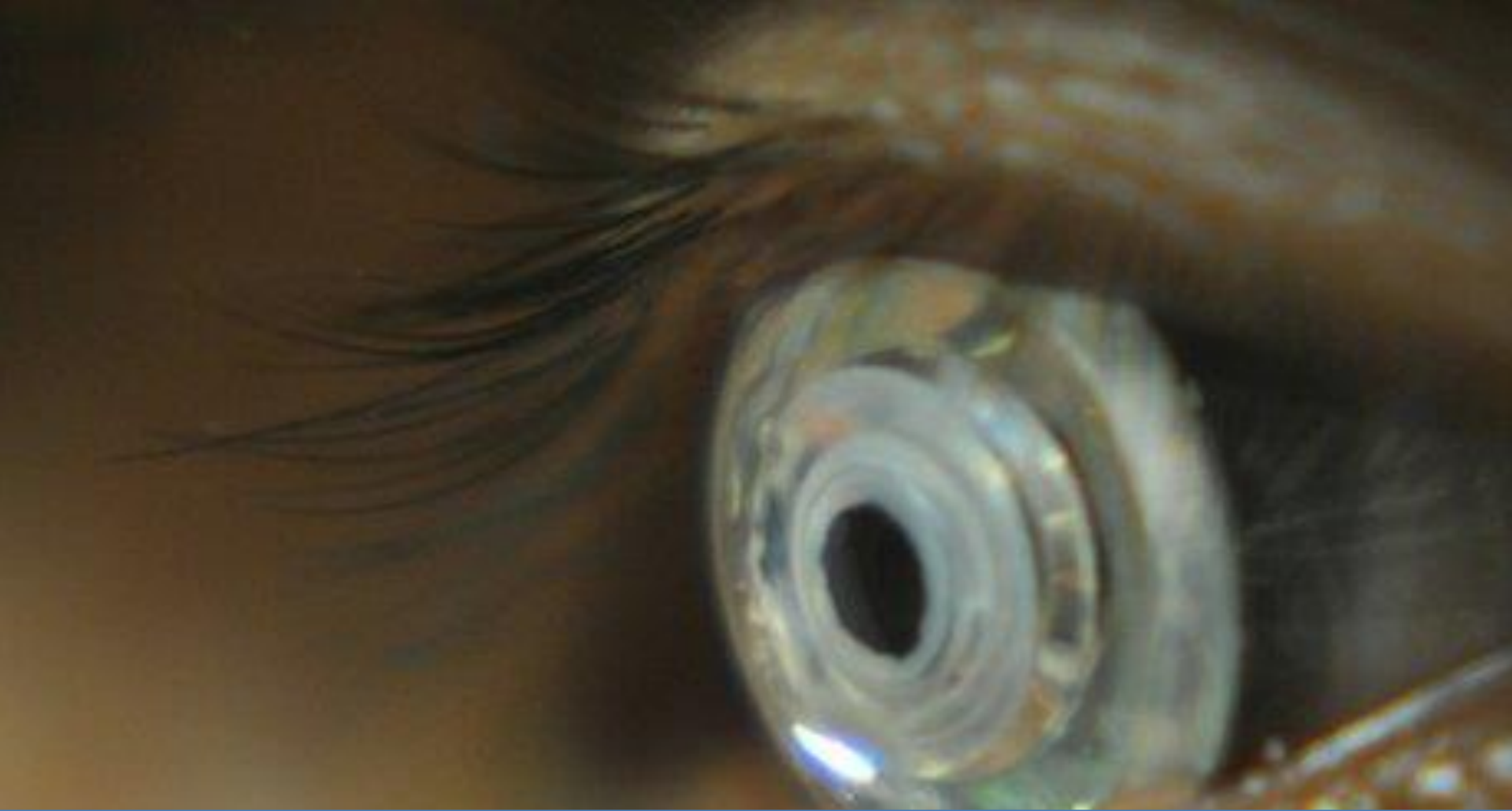
THE GARAGE

USC | [GO.NMC.ORG/GARA](https://go.nmc.org/gara)

MID-TERM

WEARABLE TECHNOLOGY





EMBEDDED DISPOSABLE SENSORS

UC SAN DIEGO | GO.NMC.ORG/UTSD



FITBIT + JAWBONE UP

THE QUANTIFIED SELF | GO.NMC.ORG/QUANT



ADAPTIVE LEARNING TECHNOLOGIES

FAR-TERM



MOOCULUS

THE OHIO STATE UNIVERSITY | [GO.NMC.ORG/ULUS](https://go.nmc.org/ulus)

innovate
{engage}

HOW COULD THESE
DEVELOPMENTS IN EDTECH
SUPPORT INCREASED STUDENT
RETENTION + GRADUATION
RATES?



#NMCHZ

JUMP IN!

JOIN A PANEL | GO.NMC.ORG/HORIZON-NOMINATE

SUBMIT A PROJECT | GO.NMC.ORG/PROJECTS

EMAIL US | SAMANTHA@NMC.ORG + HOLLY@NMC.ORG



[/THENMCHORIZONPROJECT](#) + [#NMCHZ](#)