



Are We Ready to be FUTURE READY?

Carl Hooker

Educational Consultant &
Strategist

Resources: mrhook.it/esc1

@mrhooker



What if....

You took song lyrics
and then added
them to an
A.I. Image
generator?

karAIoke















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CREDENTIALS

- 27+ years in education
- Former Director of Innovation
- Launched the first K12 iPad 1:1 program in the state in 2011
- Future Ready Schools National Faculty
- 10-time author
- 2-time bar owner
- 3-time father
- 1-time husband







2001 CASEY ELEMENTARY SCHOOL 2002



**Are We
Ready to be
FUTURE
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Are We Ready to be **FUTURE READY?**

**Global
Future**

**Innovation
&
Risk-Taking**

**Curriculum
&
Instruction**

The image features two white humanoid robots, one on the left and one on the right, holding a large blue hexagonal sign. The robots have a sleek, futuristic design with black joints and sensors. The sign is centered and contains the text 'Global Future' in a bold, white, sans-serif font. The background is a dark blue with a grid pattern and faint, glowing text, suggesting a digital or data environment.

Global Future

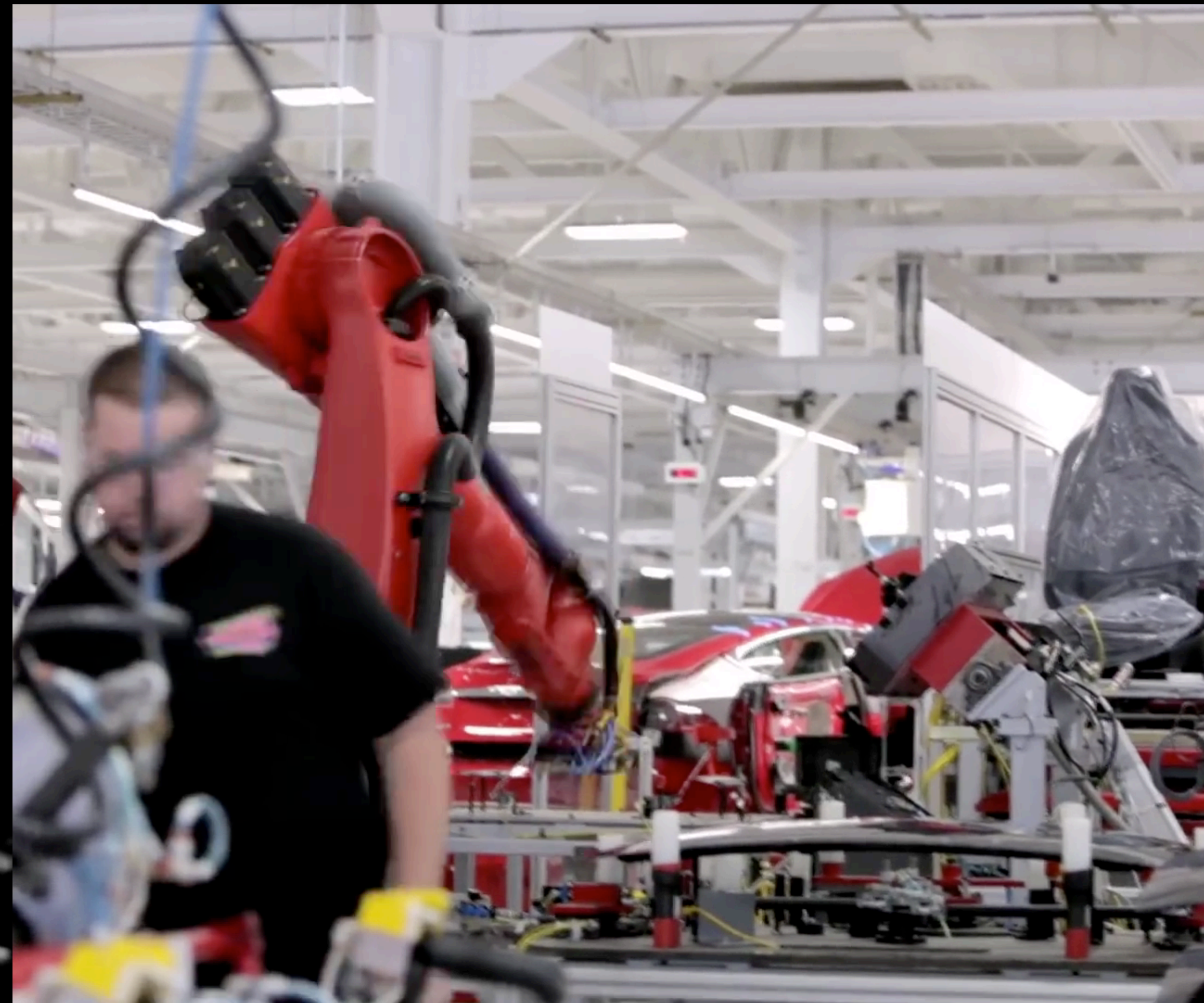
Resources: mrhook.it/esc1

@mrhooker

There's a reason the
windshield is bigger than
the rearview mirror.
Where you're headed is
more important than
what you left behind.



Then and Now



Detroit Steel

Blockbuster

Toys R Us

General Foods

TWA

American Motors

Compaq

Woolworth's

Polaroid

Companies that
no longer exist

Zenith's

DeLorean

Tower Records

Enron

Border's Books

Continental Airlines


Circuit City

Pan Am


MCI WorldCom



Computer
Center



*Where in the World
is Carmen Sandiego?*



©copyright 1992 Electronic Arts
©copyright 1985, 1991.
Broderbund Software, Inc.

All Rights Reserved.
Sega Enterprises Ltd.

AirBnb

Target

Google

Microsoft

Amazon

Jet Blue

OpenAI

Home Depot

Dell

Costco

Companies that

didn't exist

Starbucks

Meta

Intel

PayPal

40 years ago

TikTok

Tesla

Pfizer

Netflix

Uber

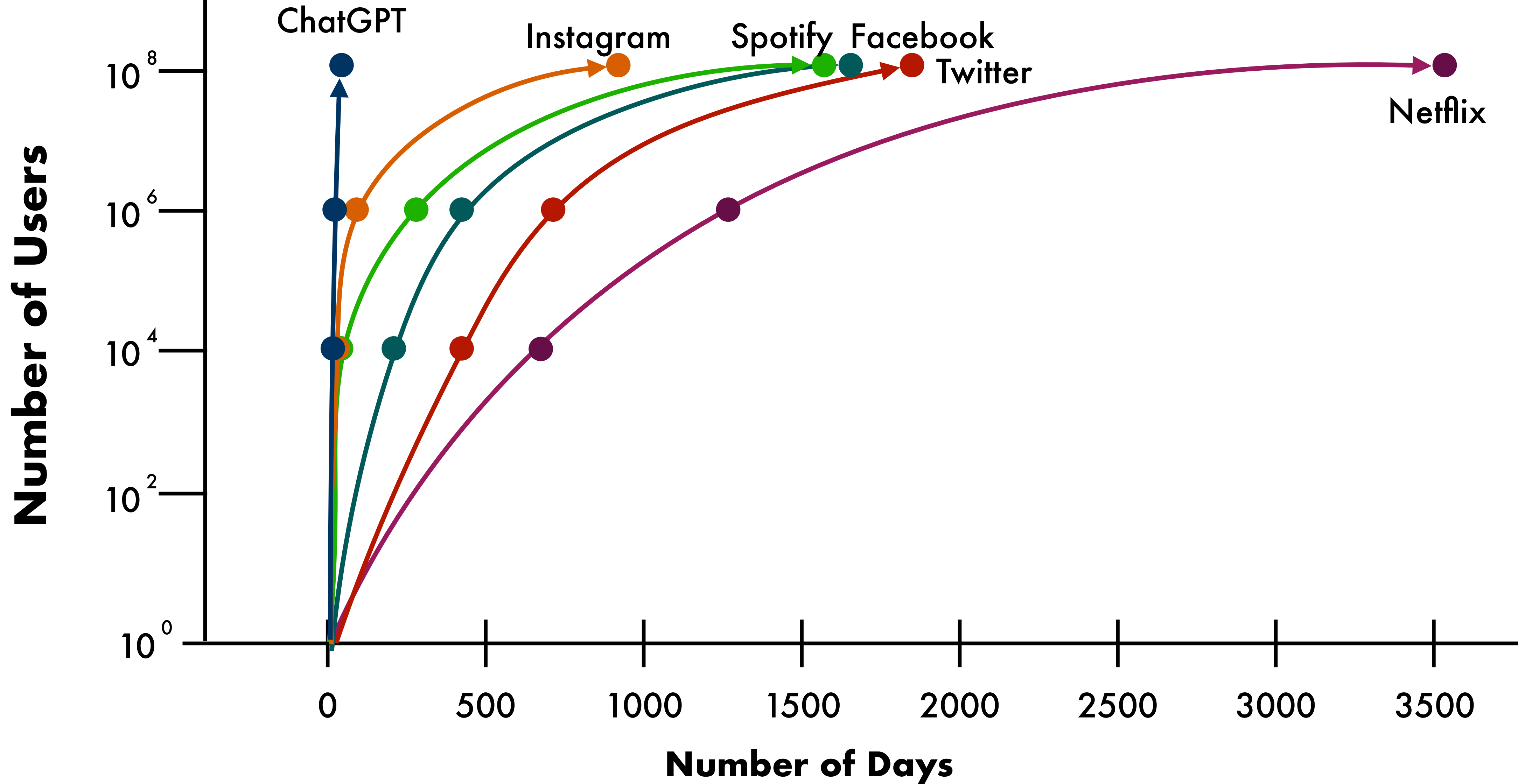
Adobe Systems

Virgin Atlantic

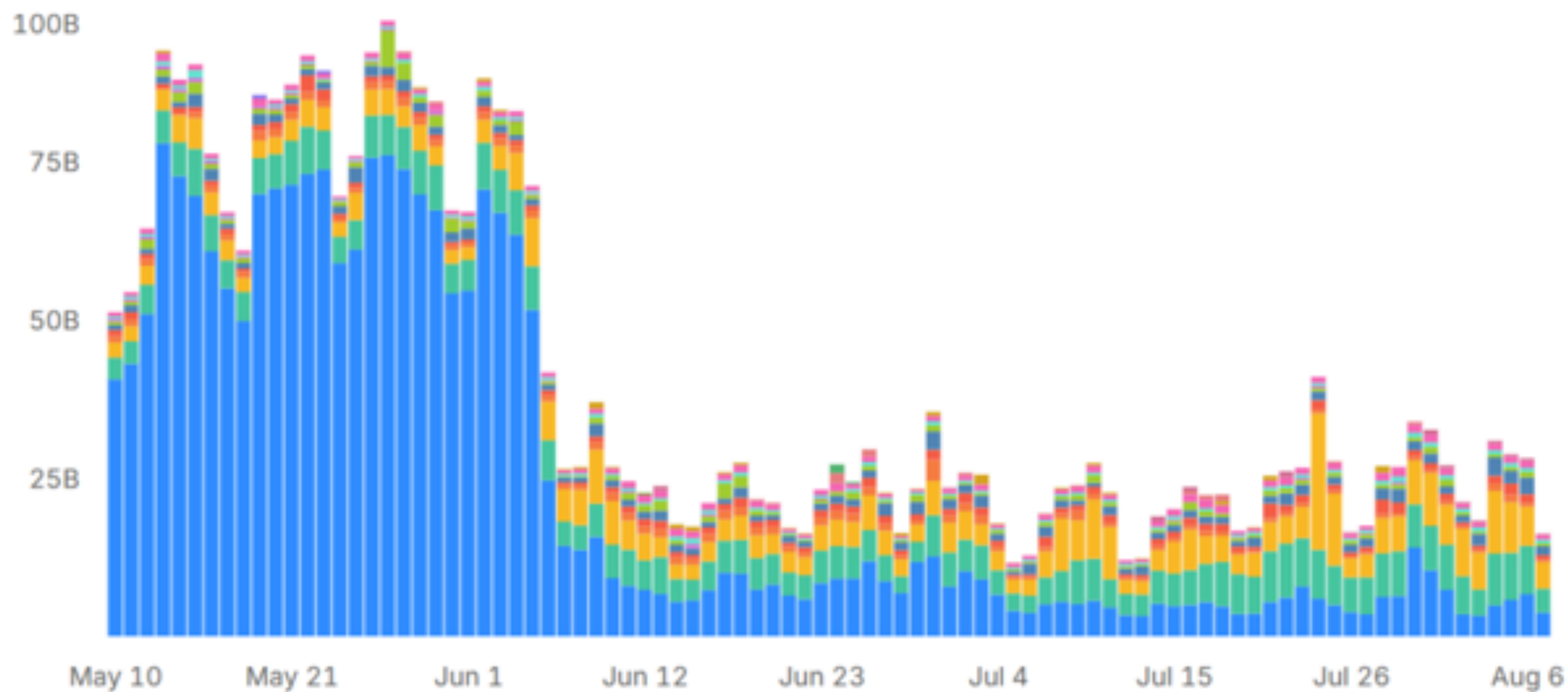
Apple

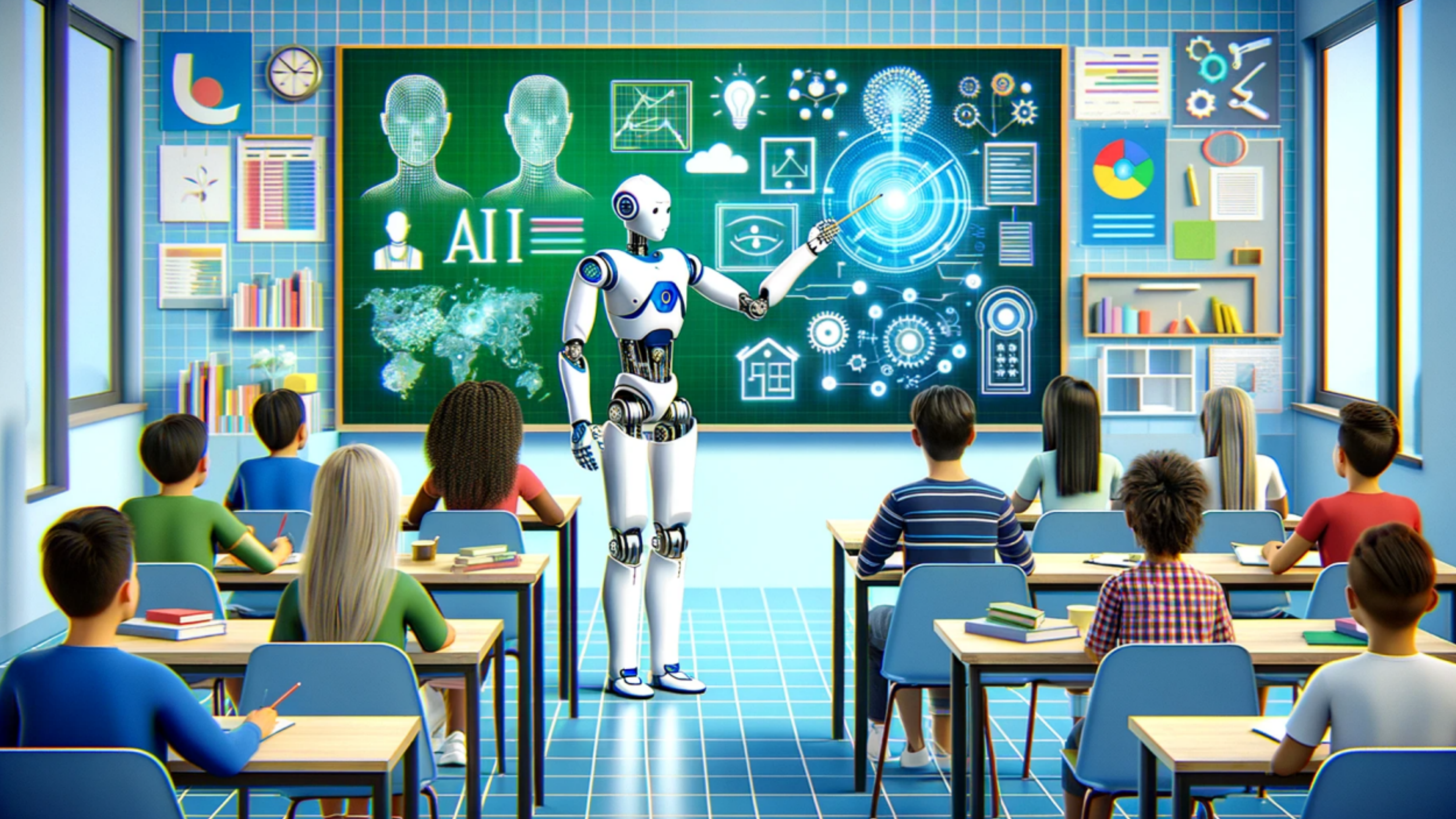
Spotify

Number of days to 100,000, 1 Million, and 100 Million users by technology platform



Tokens processed





*“Machines
could take 50%
of jobs in the
next 30 years.”*

Dr. Moshe Vardi
Rice University



amazon go

amazon go

amazon go

amazon go
Breakfast
in a flash.



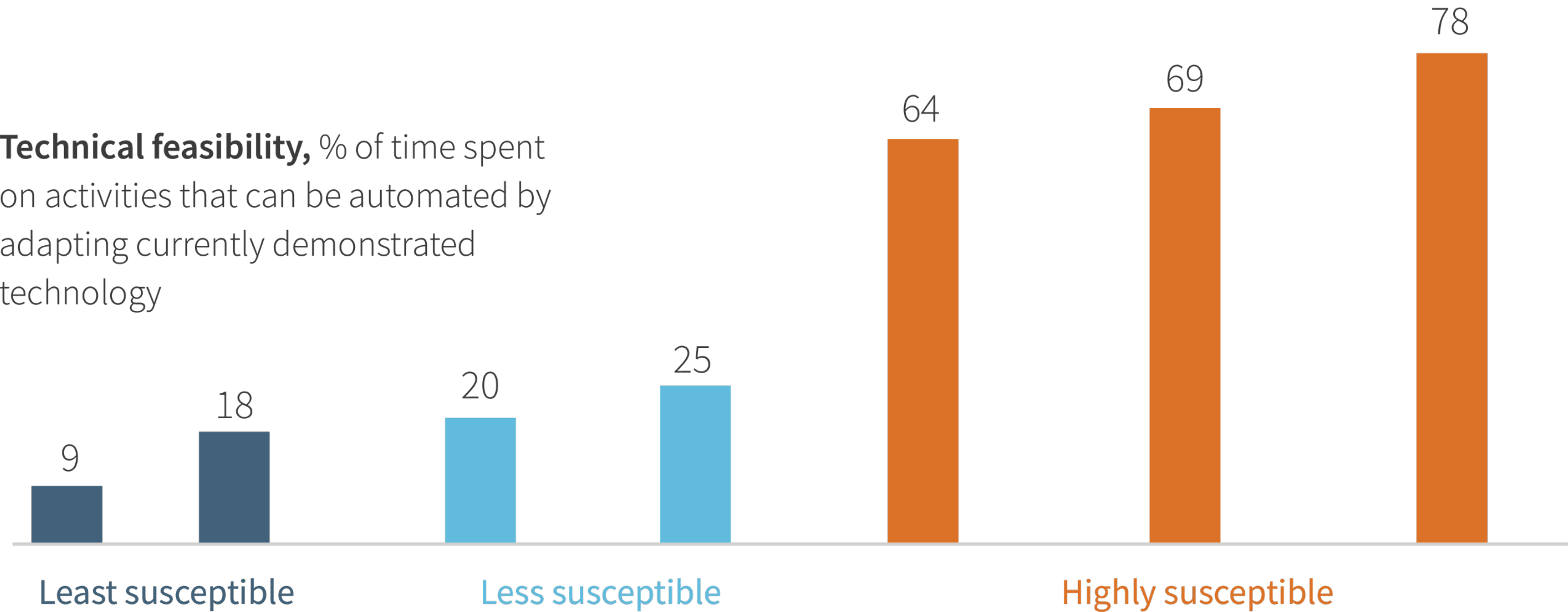
JUST
WALK
OUT
SHOPPING

AMAZON

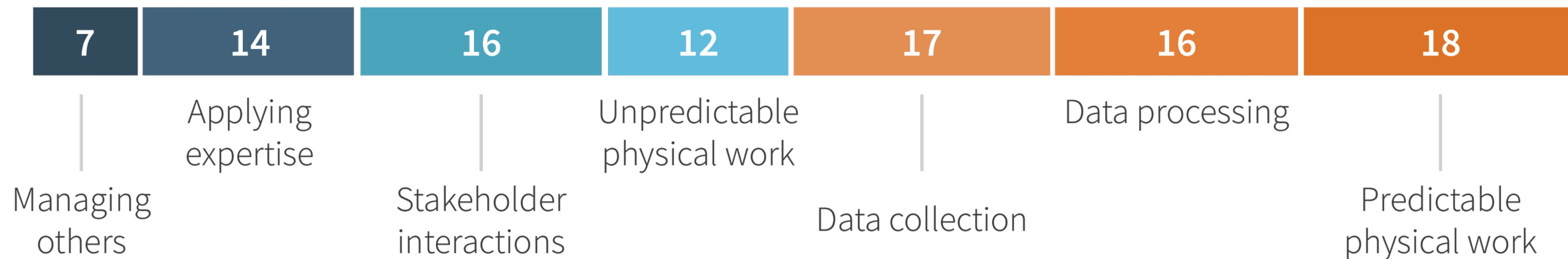


Technical feasibility of automation for work activities

Technical feasibility, % of time spent on activities that can be automated by adapting currently demonstrated technology



Time spent in all US occupations, %



WillRobotsTakeMyJob.com

WILL ROBOTS TAKE MY JOB?

Enter your job

or show [random example](#)

INTERACTIVE DISCUSSION

If **50%** of jobs are automated in the next **30** years, what skills should we be teaching our students?



02
MINUTES
00

Top 10 Job Skills - World Economic Forum

2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgement & Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

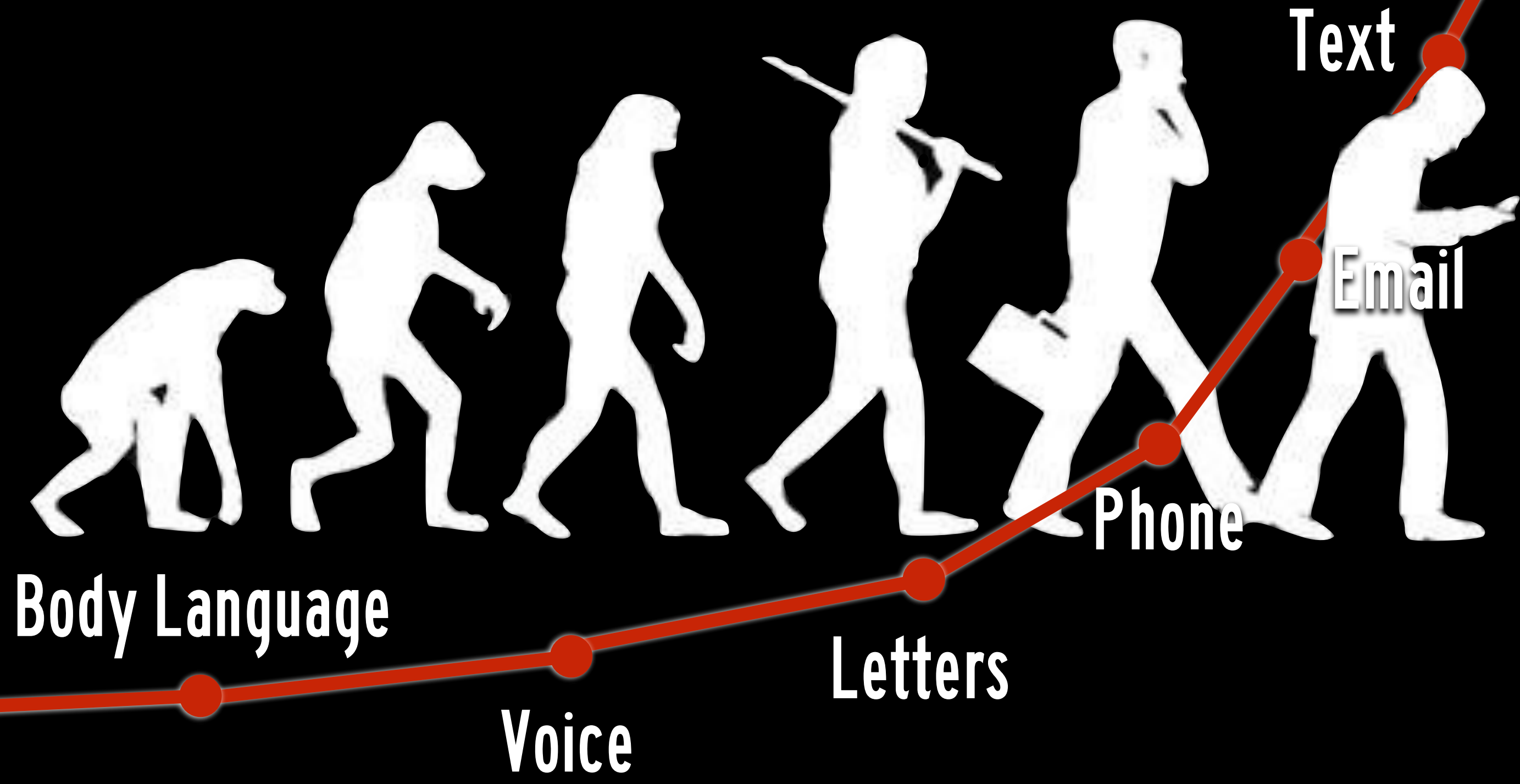
2030

1. AI & big data
2. Networks & Cybersecurity
3. Technological literacy
4. Creative thinking
5. Resilience, flexibility and agility
6. Curiosity and lifelong learning
7. Leadership & Social Influence
8. Talent management
9. Analytical thinking
10. Environmental stewardship



44+33+555+555+666=hello

The Evolution of Communication



Body Language



Stand UP!

No Talking

FEAR

Surprise!

Sadness

ANGER

Lust

NO!!!

Invented in 2008

Invented in 2007





Technology is....


1. Anything that is in the world when you're born is normal and ordinary and is just a natural part of the way the world works.

2. Anything that's invented between when you're fifteen and thirty-five is new and exciting and revolution and you can probably get a career in it.

3. Anything invented after you're thirty-five is against the natural order of things.

-Douglas Adams



A white, heavily rusted and damaged van is parked on a residential street. The van is in poor condition, with significant rust and peeling paint, particularly on the hood and front bumper. The background shows a suburban neighborhood with houses, trees, and a fence. The text "Don't get a car with a stranger" is overlaid in white on a dark semi-transparent banner across the middle of the image.

Don't get a car with a stranger

A person wearing a dark hoodie is shown from the side, typing on a laptop. The laptop screen displays a blue-tinted interface with text. The background is a dark blue gradient with a pattern of white binary code (0s and 1s). A semi-transparent dark blue horizontal band is overlaid across the middle of the image, containing the text.

Don't meet people from the internet

**Today:
Contact a stranger from the
internet to ride in their car.**





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Innovation & Risk-Taking

Resources: mrhook.it/esc1

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Top 10 Job Skills - World Economic Forum

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2030

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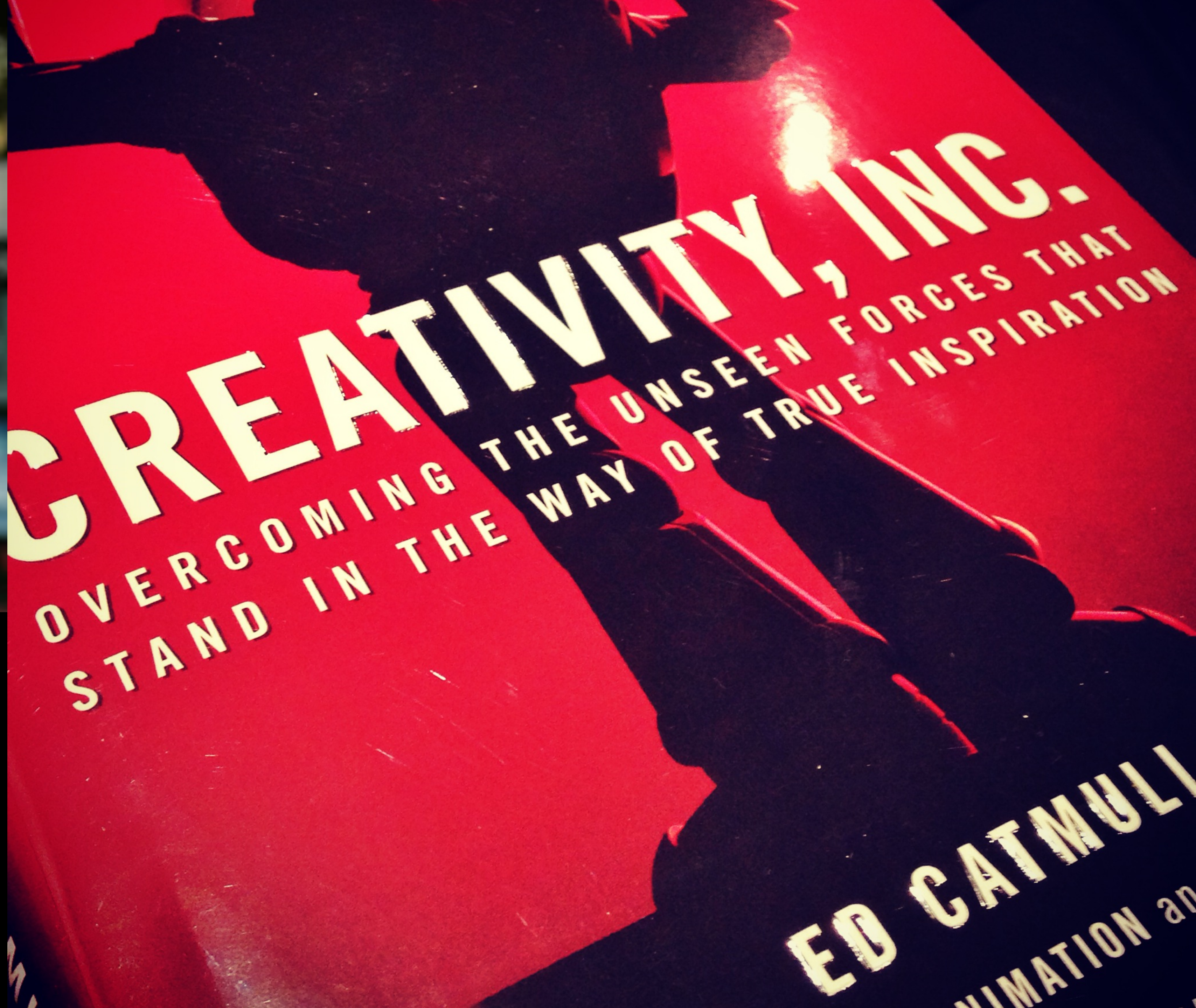
The background features a textured red surface with two vertical white stripes. Overlaid on this are several dark brown and grey silhouettes of interlocking gears, arranged in a circular pattern around the central text.

**WHY CHANGE
AND TAKE A RISK
WHEN WE'VE
BEEN
SUCCESSFUL?**



Ed Catmull

President
of Pixar



Recorded 8/11/16



The background features a textured red surface with two vertical white stripes. Overlaid on this are several dark brown and grey silhouettes of interlocking gears of various sizes, arranged in a circular pattern around the central text.

**WHY CHANGE
AND TAKE A RISK
WHEN WE'VE
BEEN
SUCCESSFUL?**



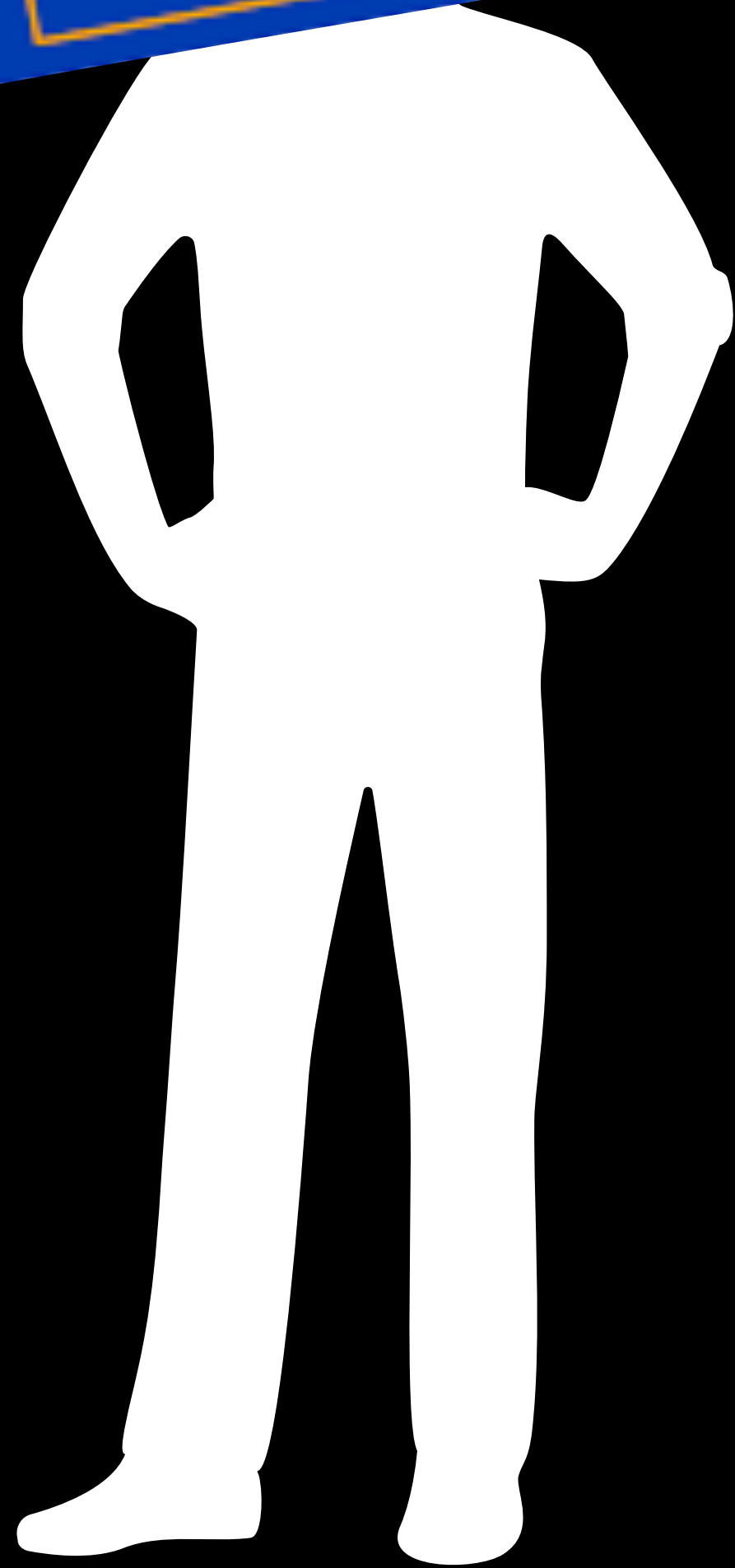
**MY KIDS WILL NEVER KNOW
THAT AWFUL FEELING**

**OF REALIZING THERE'S NO
VHS TAPE BEHIND THE BOX
AT THE VIDEO STORE**





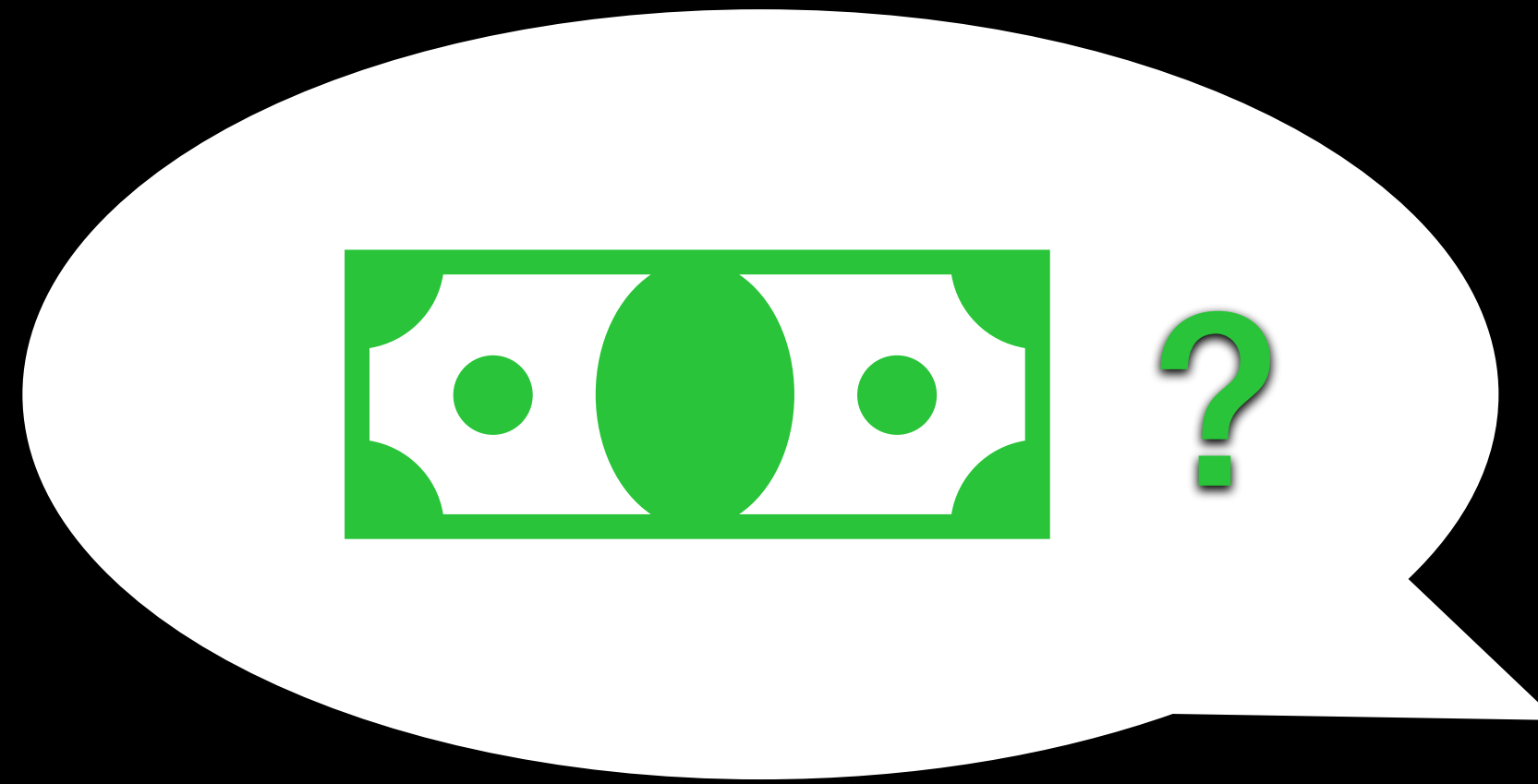
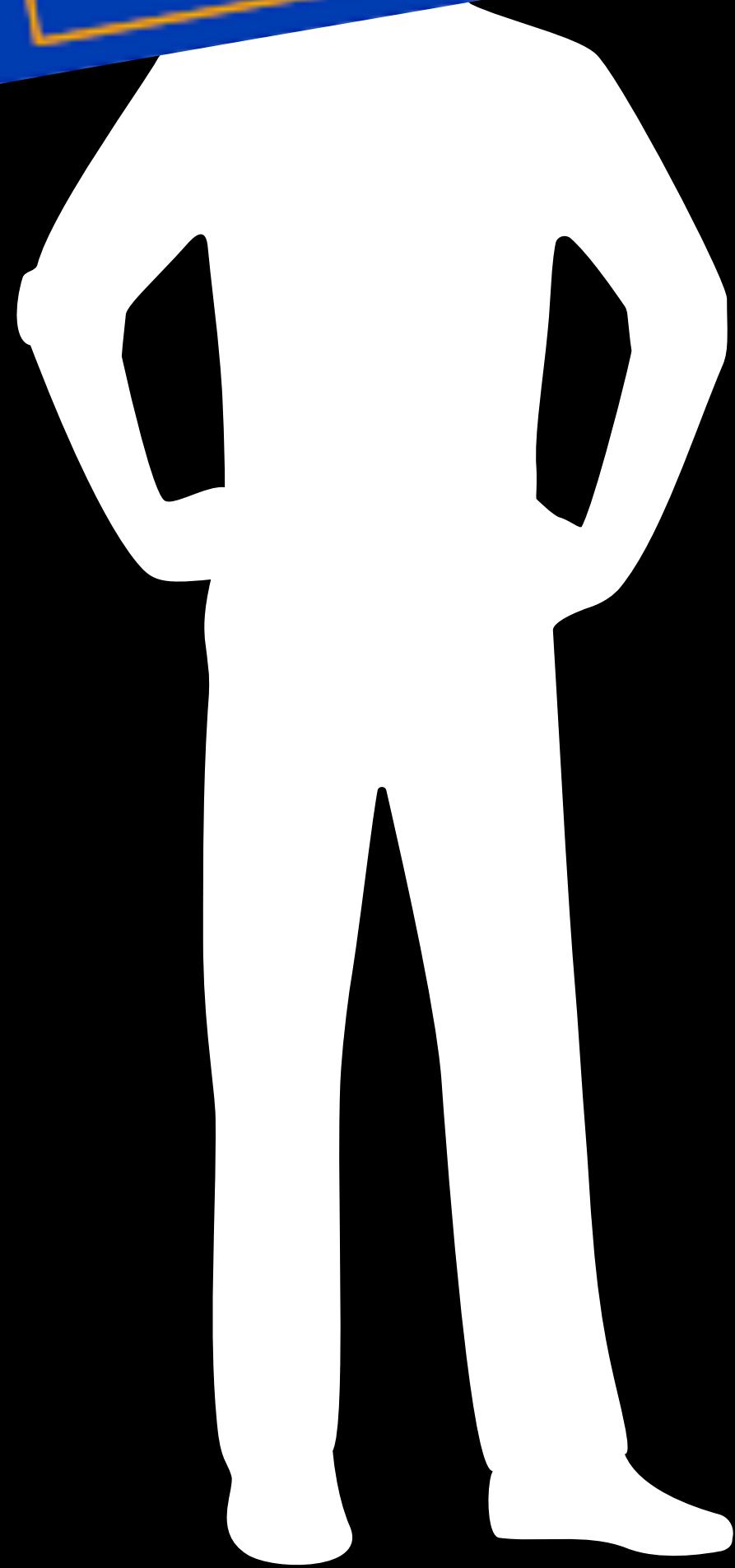
BLOCKBUSTER



NETFLIX

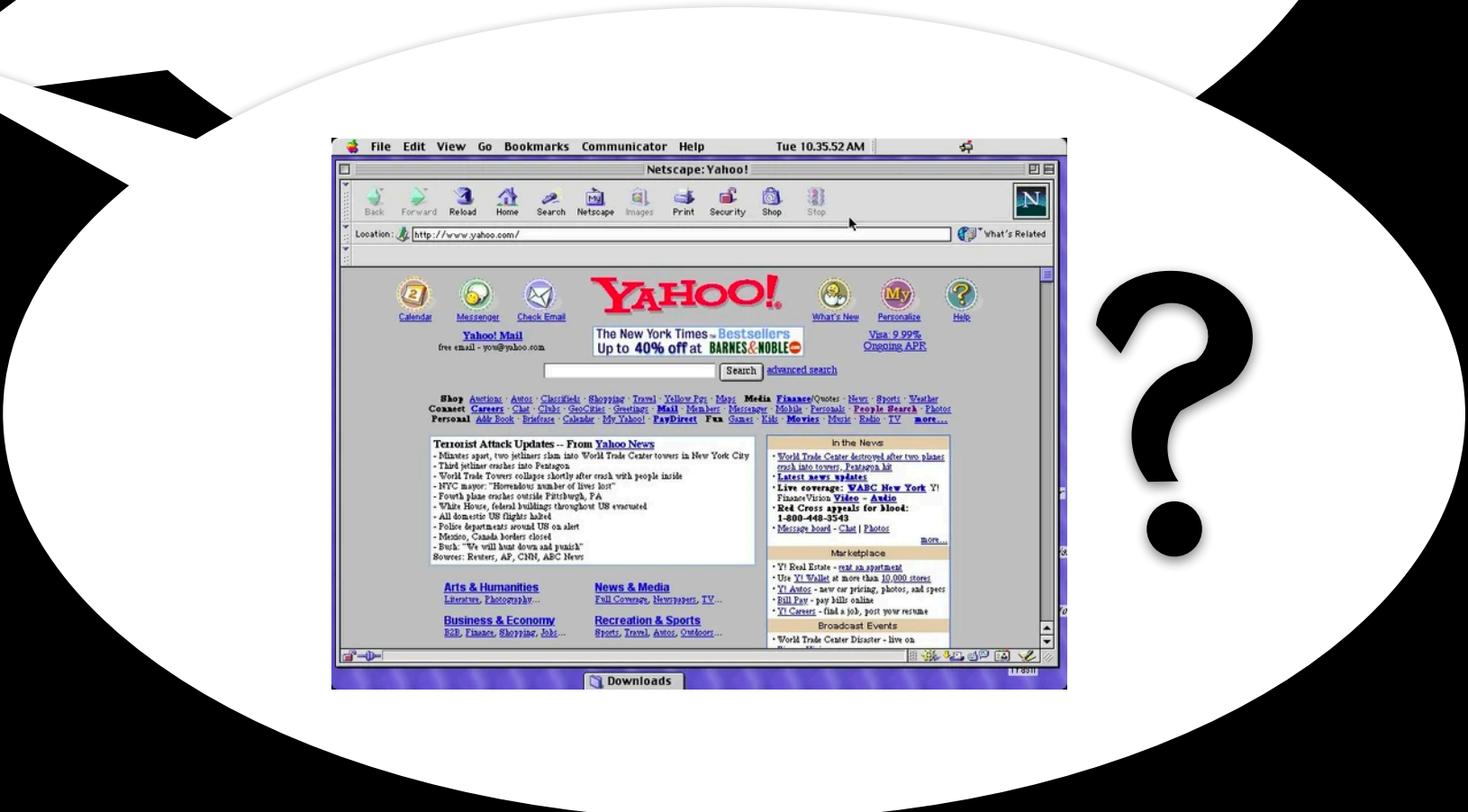
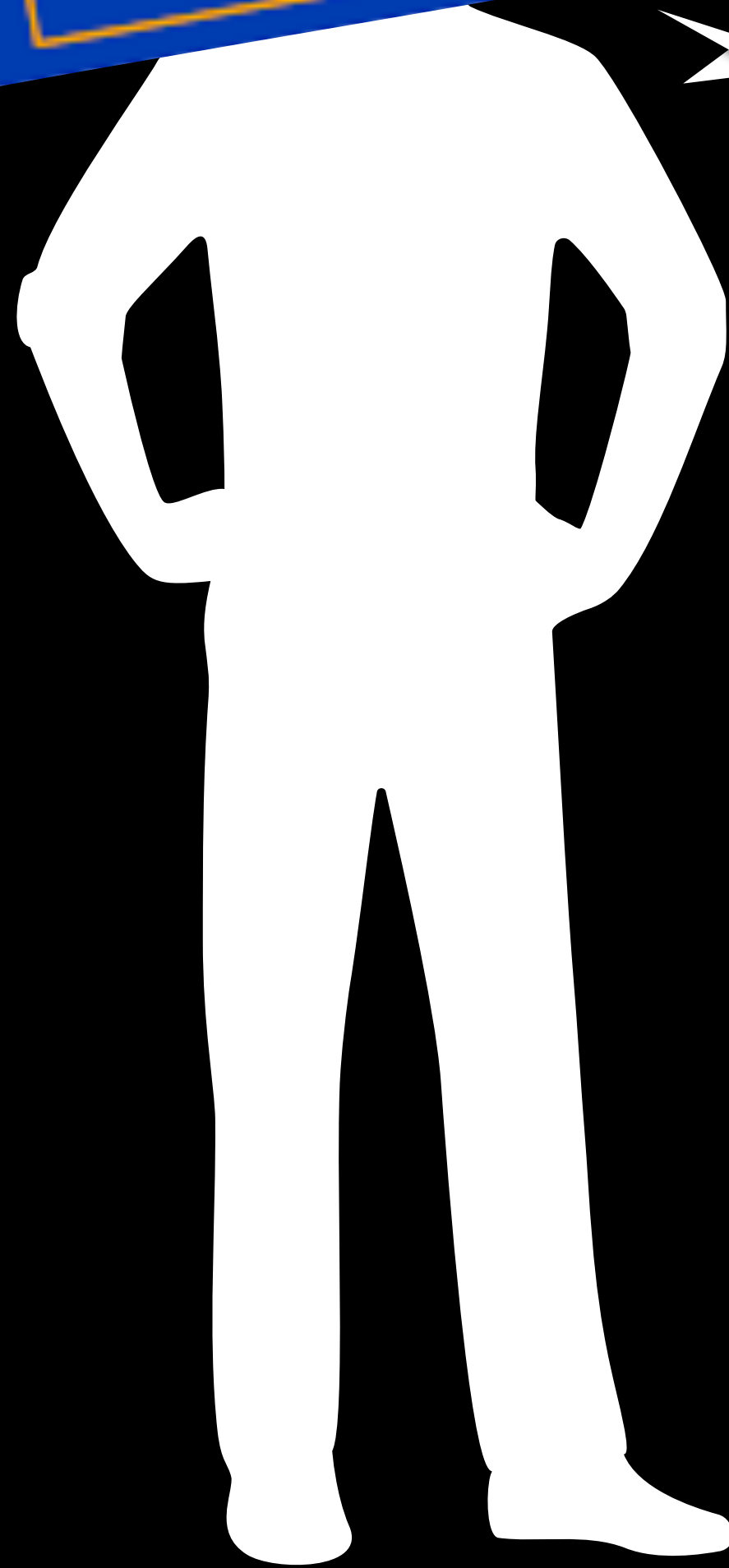


BLOCKBUSTER



NETFLIX

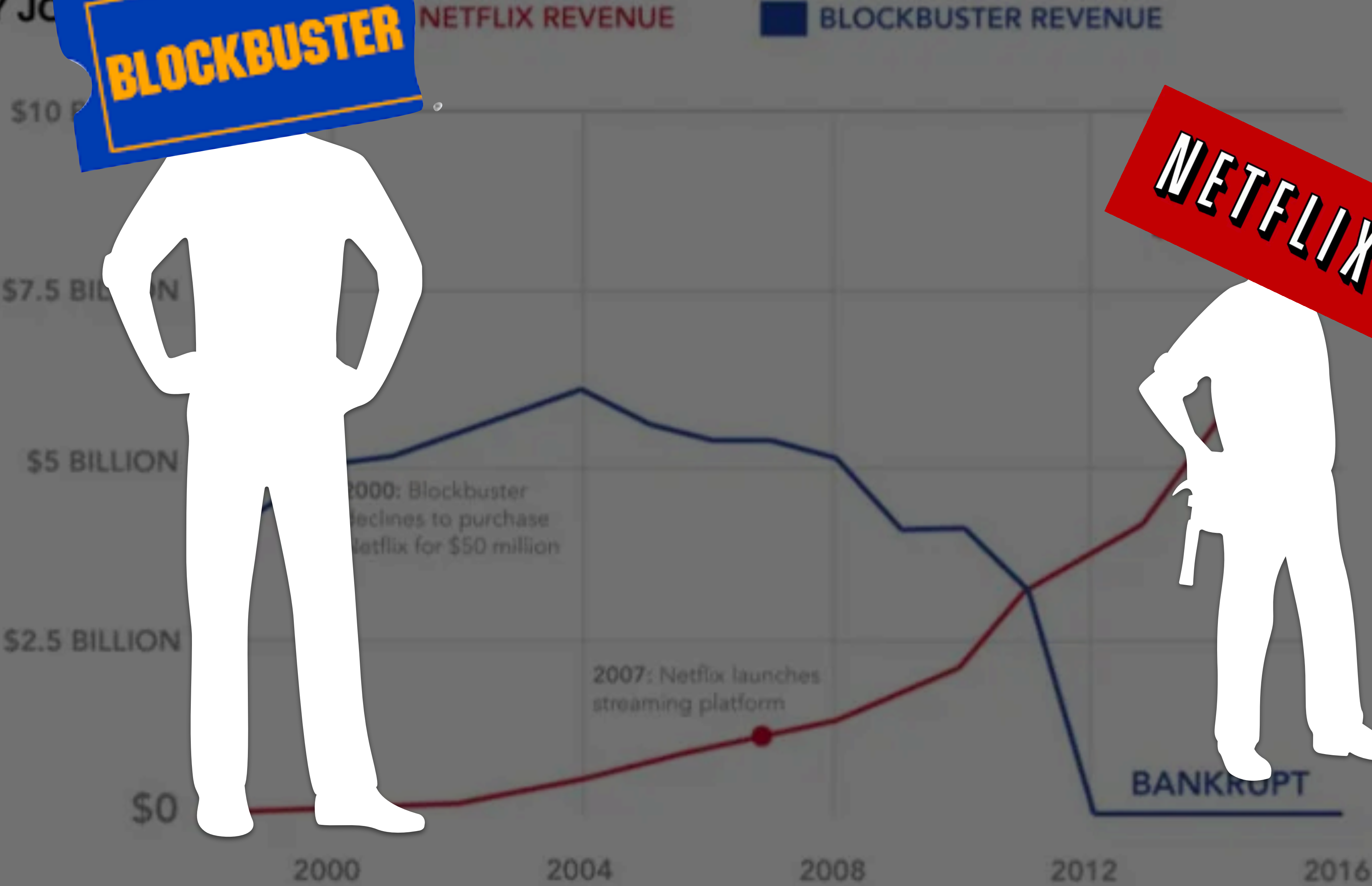
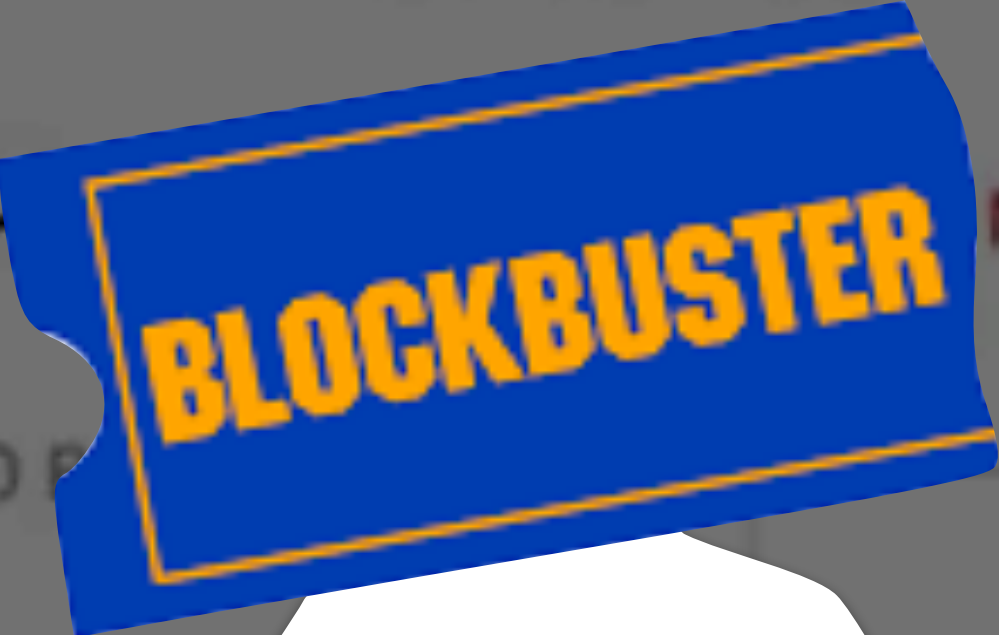




NETFLIX VS. BLOCKBUSTER (1998 - 2016)

source:

THE STRATEGY JO



Time heals all wounds but the scars are
a constant reminder



INDIVIDUAL RISK/FAILURE

VS

SHARED RISK/FAILURE

**WHO'S
WILLING TO
"TAKE A RISK
WITH ME?"**

1

2

3

READY SET **FAIL!**

**NOW LET'S TRY
A SHARED RISK**

Stand Up

1

2

3



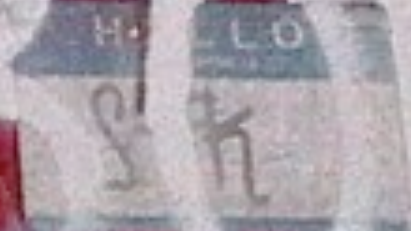
STOP

COLLABORATE

& LISTEN



XSF.COM



1

2

3

[clap]

2

3



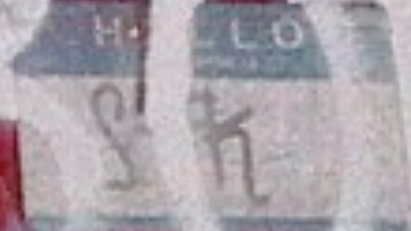
STOP

COLLABORATE

& LISTEN



XSF.COM



[clap]

2

3

[clap]

[stomp]

3



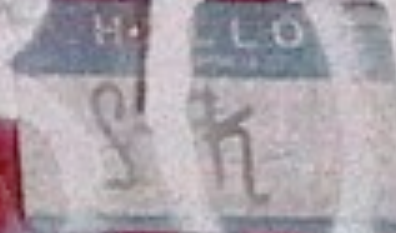
STOP

COLLABORATE

& LISTEN



XSF.COM



[clap]

[stomp]

3

[clap]

[stomp]

[snap]



STOP

COLLABORATE

& LISTEN



XSFCOM

1

2

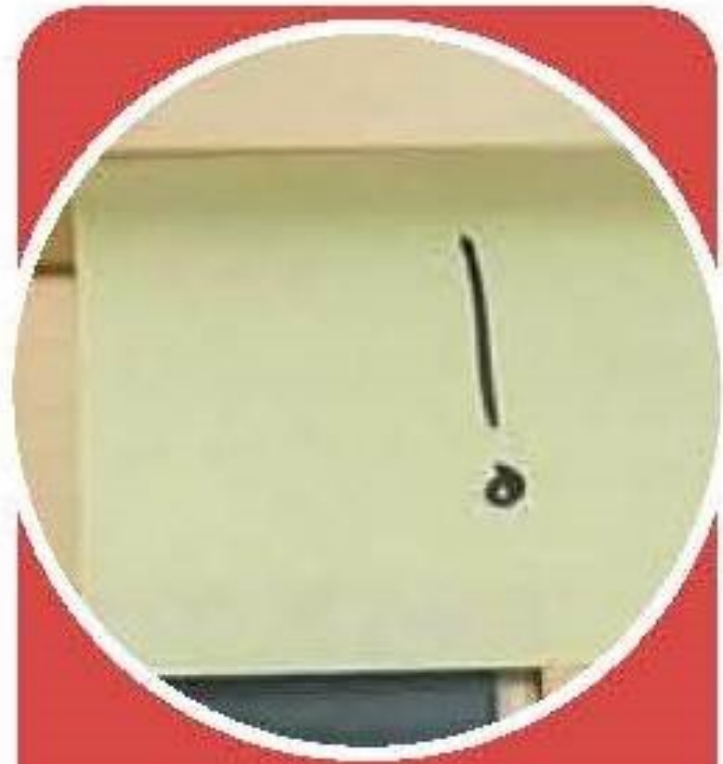
3

[clap]

[stomp]

[snap]

Perceptions of Failure Within a Team



Deviance



Inattention



Lack of Ability



Process Inadequacy



Task Challenge



Process Complexity

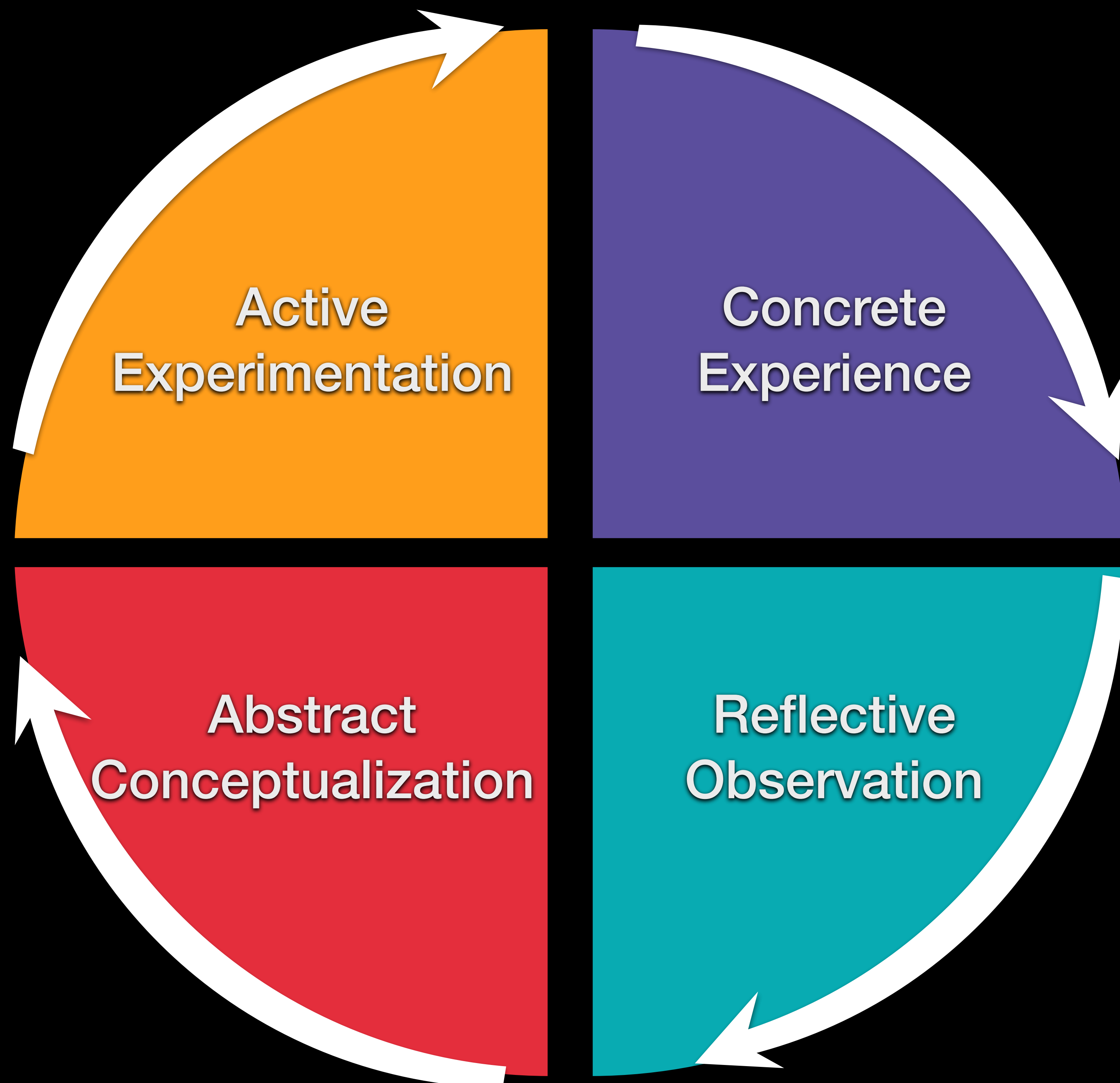


Uncertainty



Spectrum of perceptions of failure within a team.

Referenced: Amy Edmonson 'Strategies for Learning from Failure' <https://hbr.org/2011/04/strategies-for-learning-from-failure>



Active
Experimentation

Concrete
Experience

Abstract
Conceptualization

Reflective
Observation



THE MARTIAN



**Teacher wants try something new
with their students**



hoping to spark their **curiosity** and **interest**



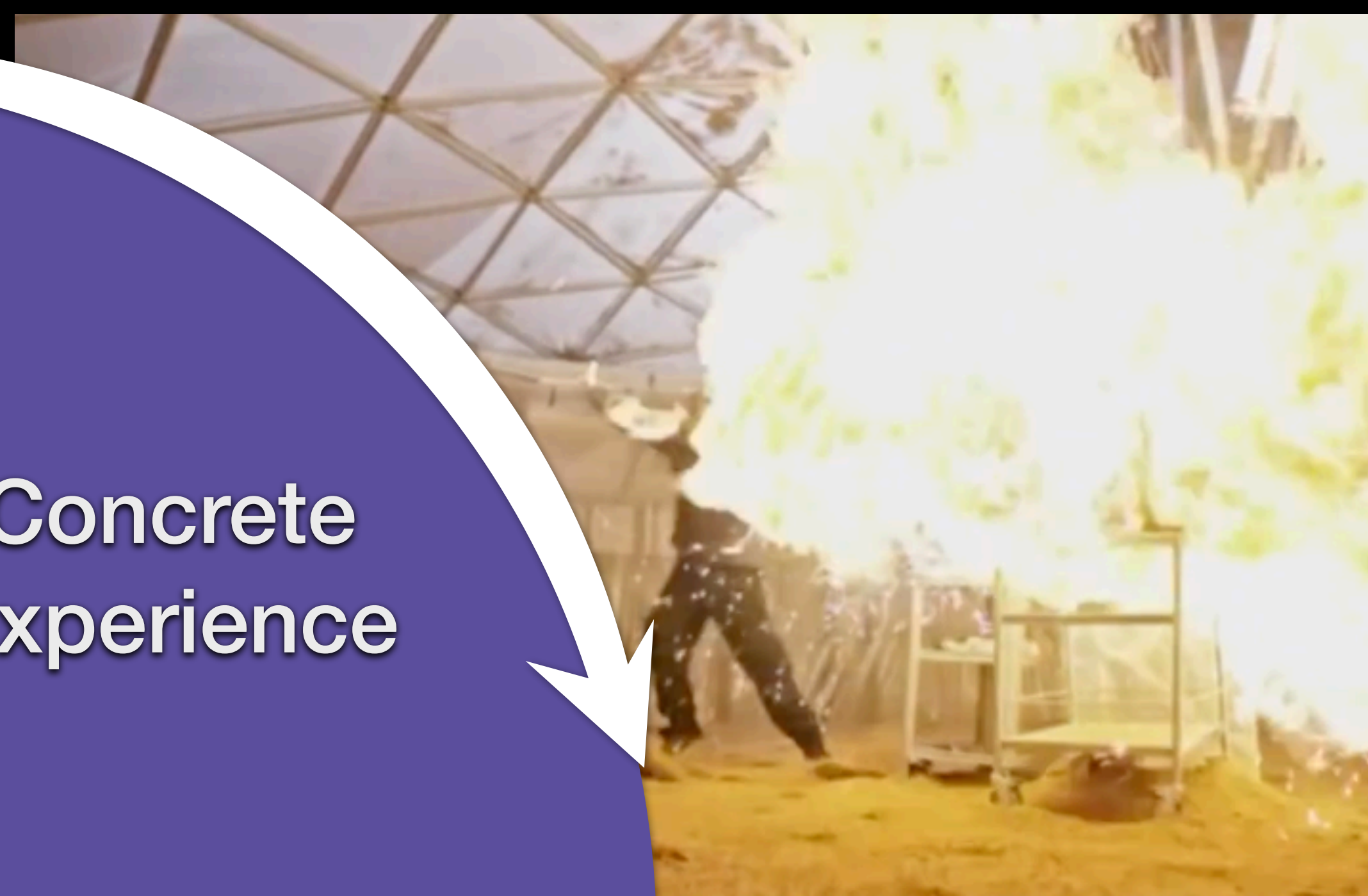
And the experiment **fails** disastrously

A person wearing a dark, long-sleeved sweater is standing in a doorway. They are looking down and to the right. The background shows a brick wall and a window with blinds. The lighting is dim, creating a somber atmosphere.

How the teacher feels after it fails



Active
Experimentation



Concrete
Experience



Abstract
Conceptualization



Reflective
Observation

A large crowd of sheep, all wearing dark sunglasses, filling the background of the image. The sheep are densely packed and appear to be looking in the same direction, creating a strong visual metaphor for conformity.

How do we change schools
from places of **conformity** and
compliance to environments
that foster **creativity** and
innovation?

Are We Ready to be **FUTURE READY?**

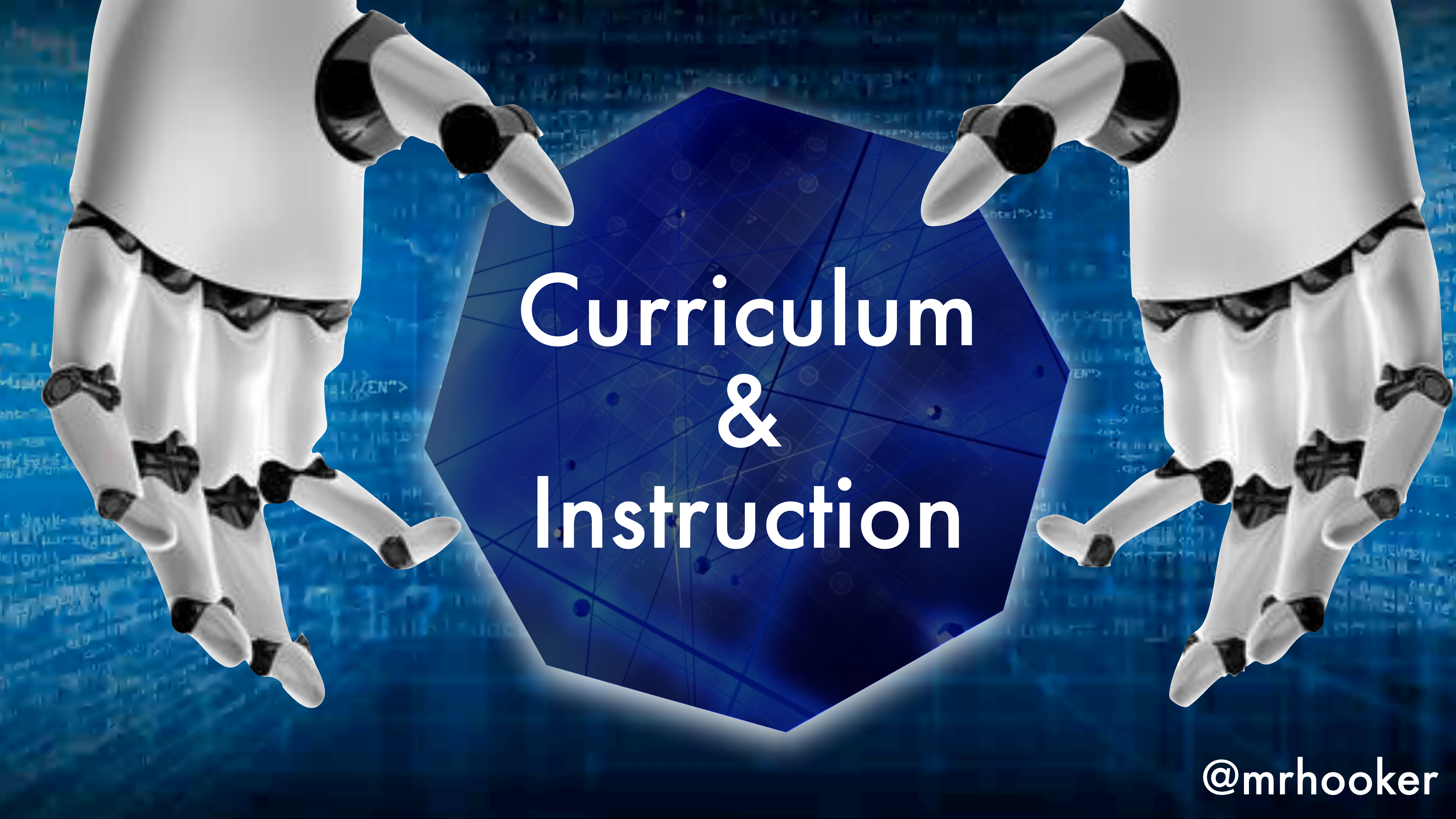
**Global
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**Innovation
&
Risk-Taking**

**Curriculum
&
Instruction**

Resources: mrhook.it/esc1

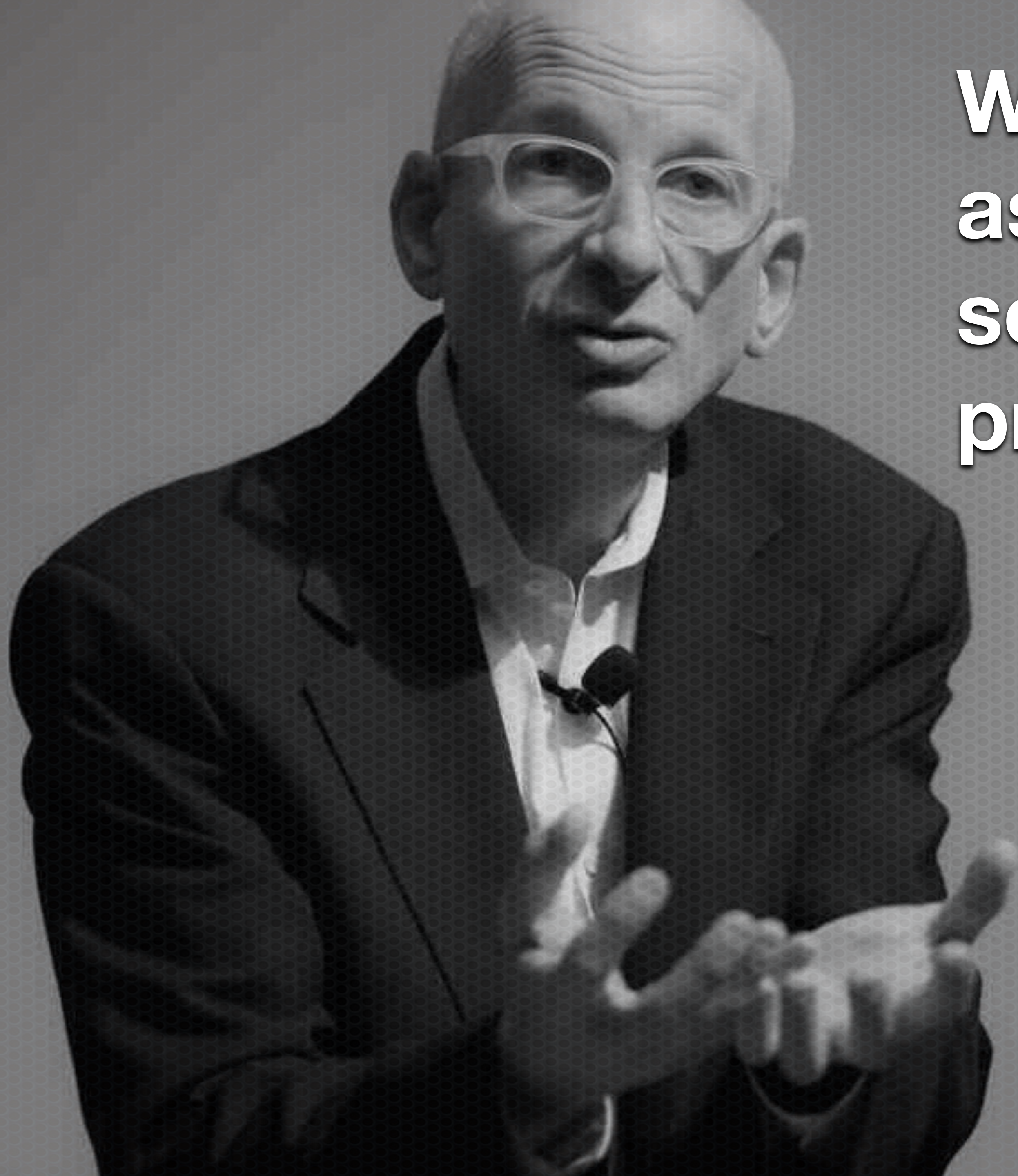
@mrhooker



Curriculum & Instruction

@mrhooker

**IS THIS GOING TO
BE ON THE TEST?**



We need to be
asking our kids to
solve **interesting**
problems...

...and we need
to be ok if they
get it **wrong**
- Seth Godin

Why does kids' questioning drop off after age 3?



How do we keep this look of
curiosity in our students?



Glencoe
Science

Texas Science

GRADE 8

Biggs
Feather
Snyder
Zike

Glencoe
McGraw-Hill

Glencoe Spanish

1

¡Buen viaje!



TEXAS
EDITION

Schmitt
Woodford

Glencoe

THE LANGUAGE OF LITERATURE

8

McDougal
Litwilt

HOLT

TX

Algebra 1

Burger
Chard
Hall
Kennedy
Lecraw and
Remfro
Symour
Watts



HOLT
RINEHART
WINSTON

Beginnings
through Reconstruction



EDUCATION

AI-generated graphic using Canva's Text-to-image tool



10 min

PLAY ▶

Why Some Educators Are Paying Very Close Attention to Artificial Intelligence

F2D: Forward to Different

How To

[Listen on Apple Podcasts ↗](#)

Throughout history, technological innovations have affected society in profound ways. Rarely does an invention come along that makes a seismic shift in the way we think and learn. What does history tell us about the future of education? A historian explains why artificial intelligence is very different from what we know, and why rapidly evolving is so important.

Follow on Twitter: @mrhooker @bamradionetwork @

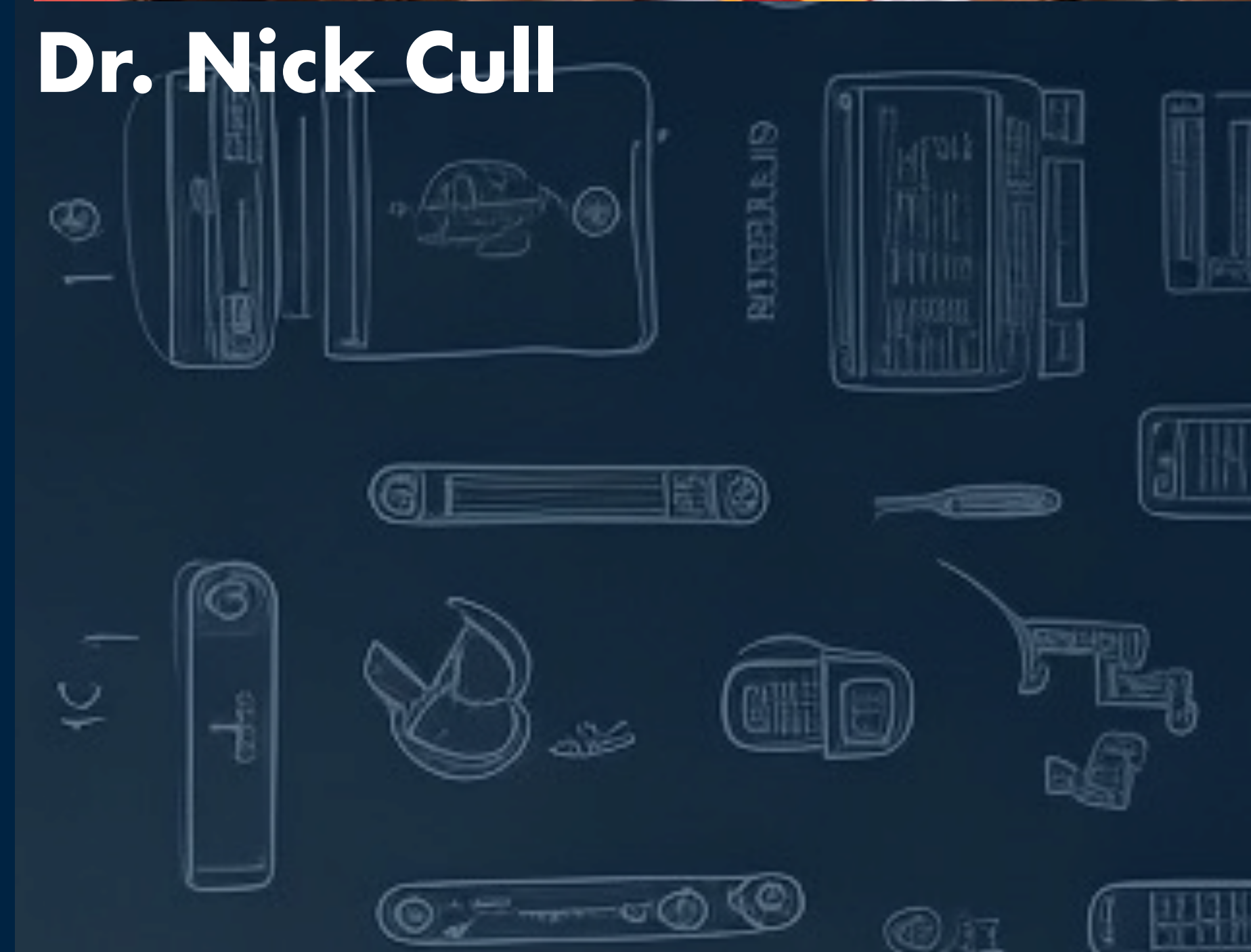
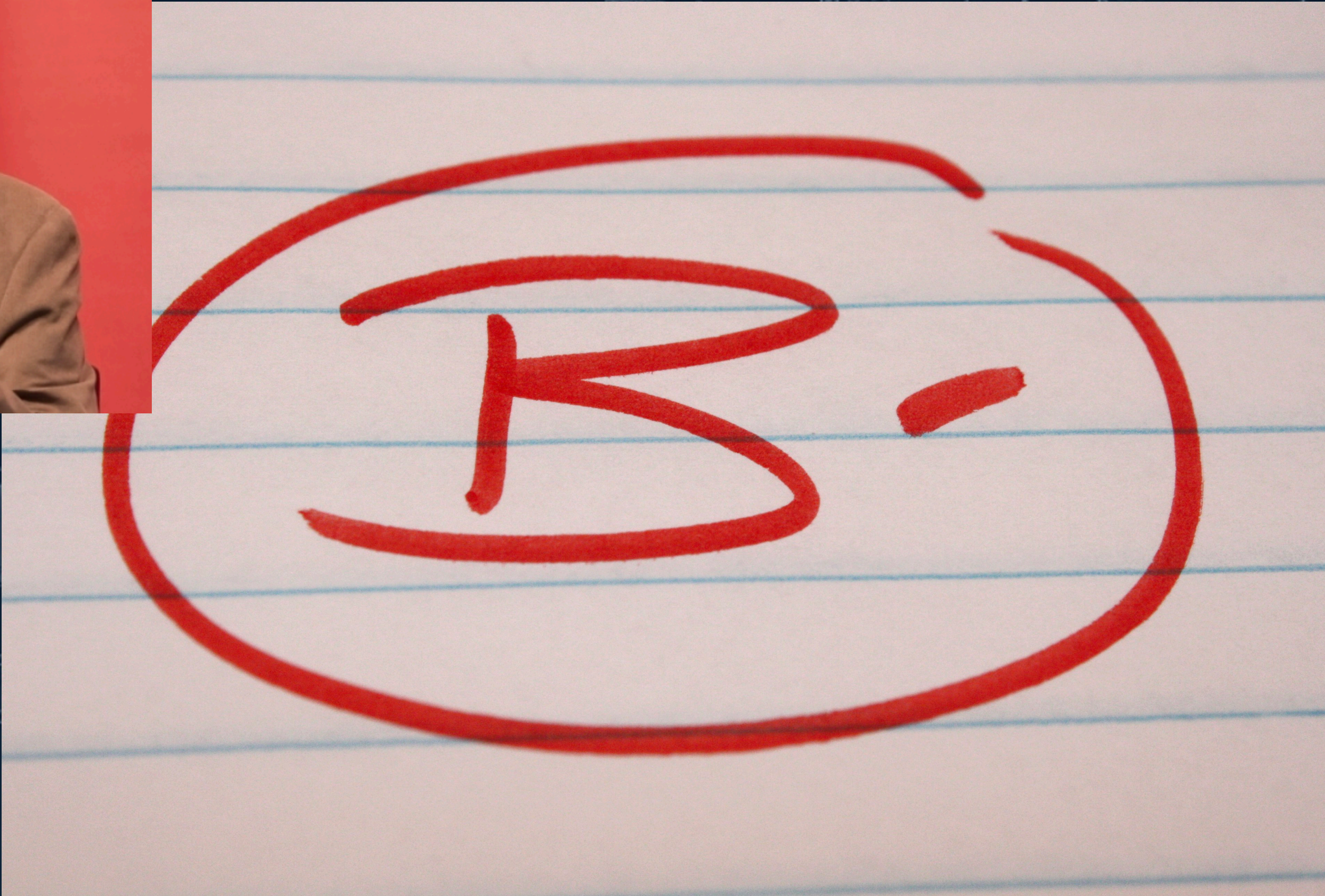
Nicholas J. Cull Ph.D is a historian and professor in the Annenberg School for Communication and Journalism, the founding director of this program and ran it from 2008 to 2015 at the University of Leeds. As a graduate, he studied at Princeton University as a Harkness Fellow of the Commonwealth Fund of New York. Cull's research and teaching interests are broad and inter-disciplinary, and focus on public diplomacy, the role of advocacy, culture, exchange, broadcasting, and public opinion research in foreign policy. Cull has also worked more broadly on the history of propaganda, film, television and radio history and the role of mass media as a source for historical study. He is best known for detailed historical studies of the institutions behind public diplomacy and for emphasizing the importance of "listening" as a pre-condition for successful public diplomacy. He coined the term

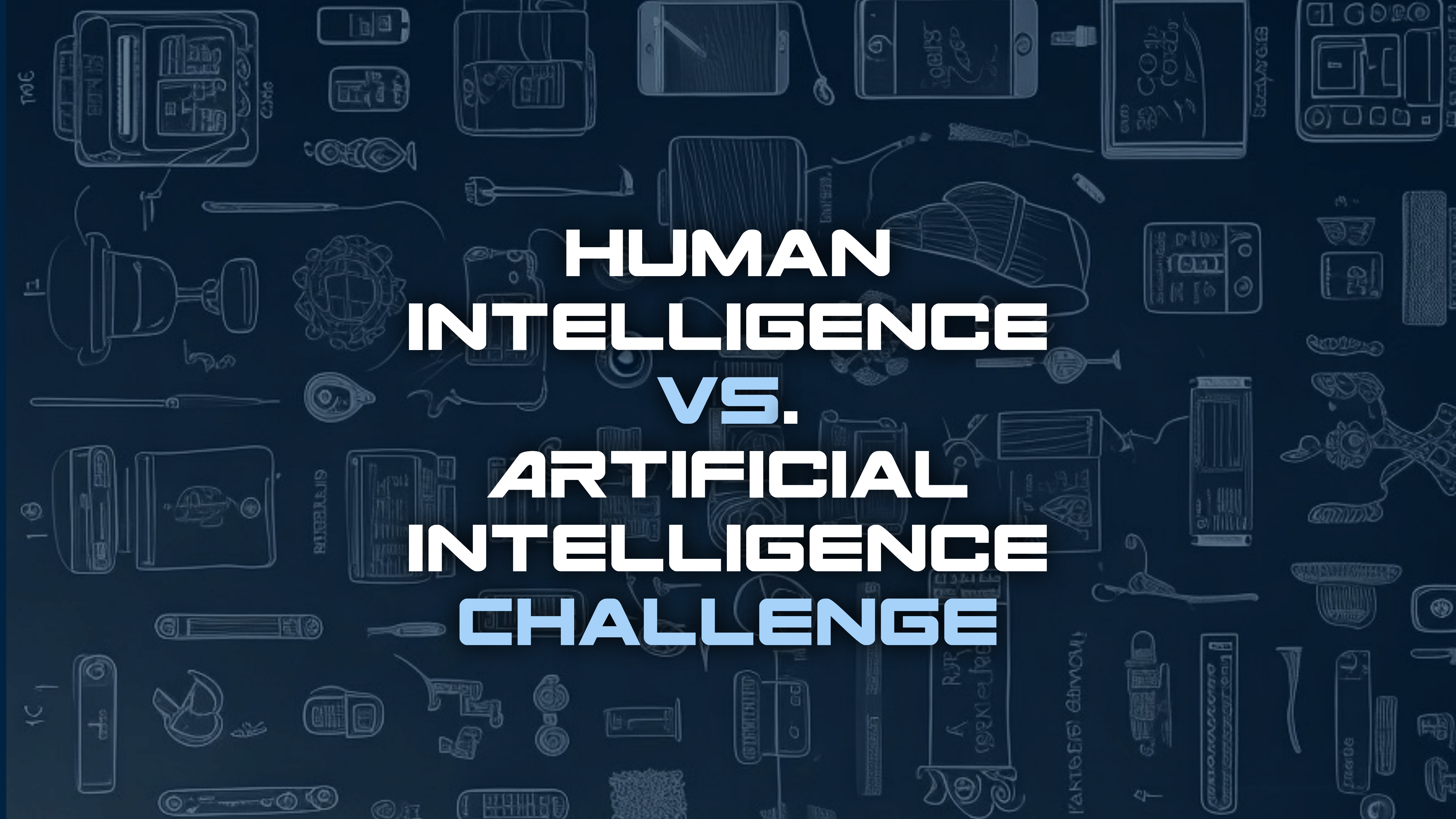


Dr. Nick Cull



Dr. Nick Cull





**HUMAN
INTELLIGENCE
VS.
ARTIFICIAL
INTELLIGENCE
CHALLENGE**



“THINGS FOUND AT A BBQ COOK-OUT”



list 50 things you would find at a bbq cook-out

< 2 / 2 >



Stop generating

WHAT AI CAN DO FOR STUDENTS



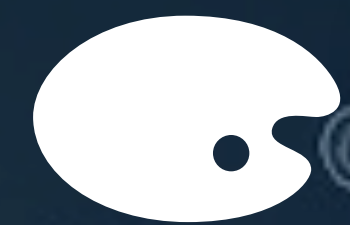
Brainstorm ideas



Feedback & editing suggestions



Review your work



Help create visuals



Tutoring & support

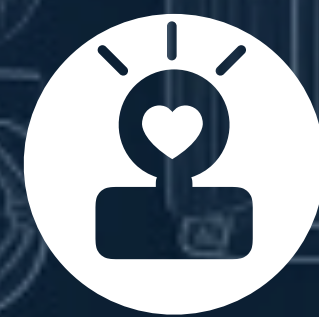
WHAT AI CAN NOT DO FOR STUDENTS



Care for them



Motivate them to learn



Be empathetic



Understand their learning style



Provide life guidance

SITUATIONAL AI USAGE DURING THE LEARNING PROCESS

Utilize AI for:
Idea generation,
brainstorming, or
creative blocks

CONCEPT



DESIGN



Utilize AI to:
Create models,
images, visuals,
outlines or first
drafts

REFLECT



Utilize AI as:
a thought partner
or a critical relection
tool

TEST



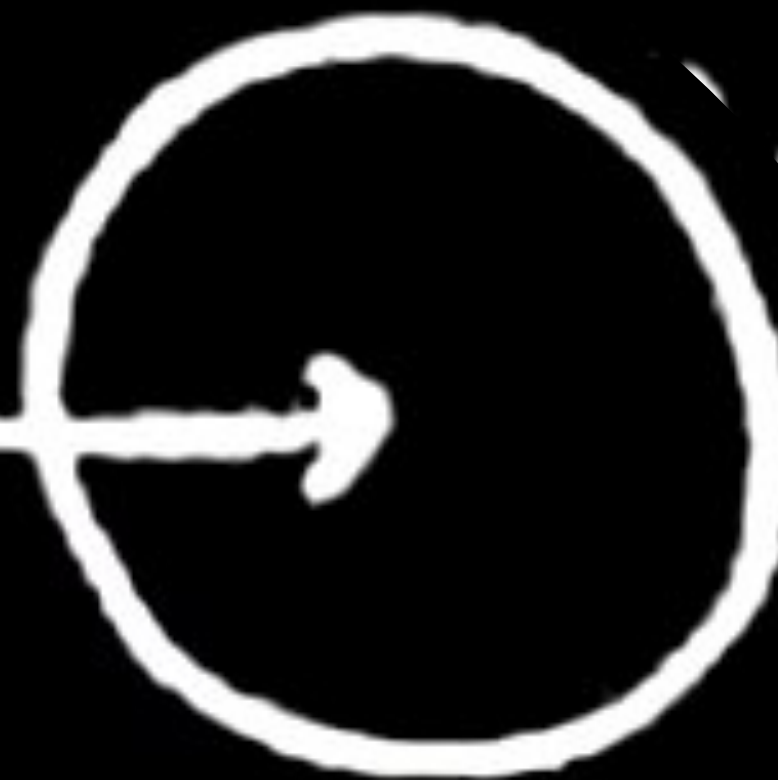
Utilize AI as:
a research assistant,
tutor, a feedback
tool or simulator

“Don’t just
teach a
lesson,
create an
experience.”

-Dave Burgess
@burgessdave



Your
Comfort
Zone



Where the
magic happens

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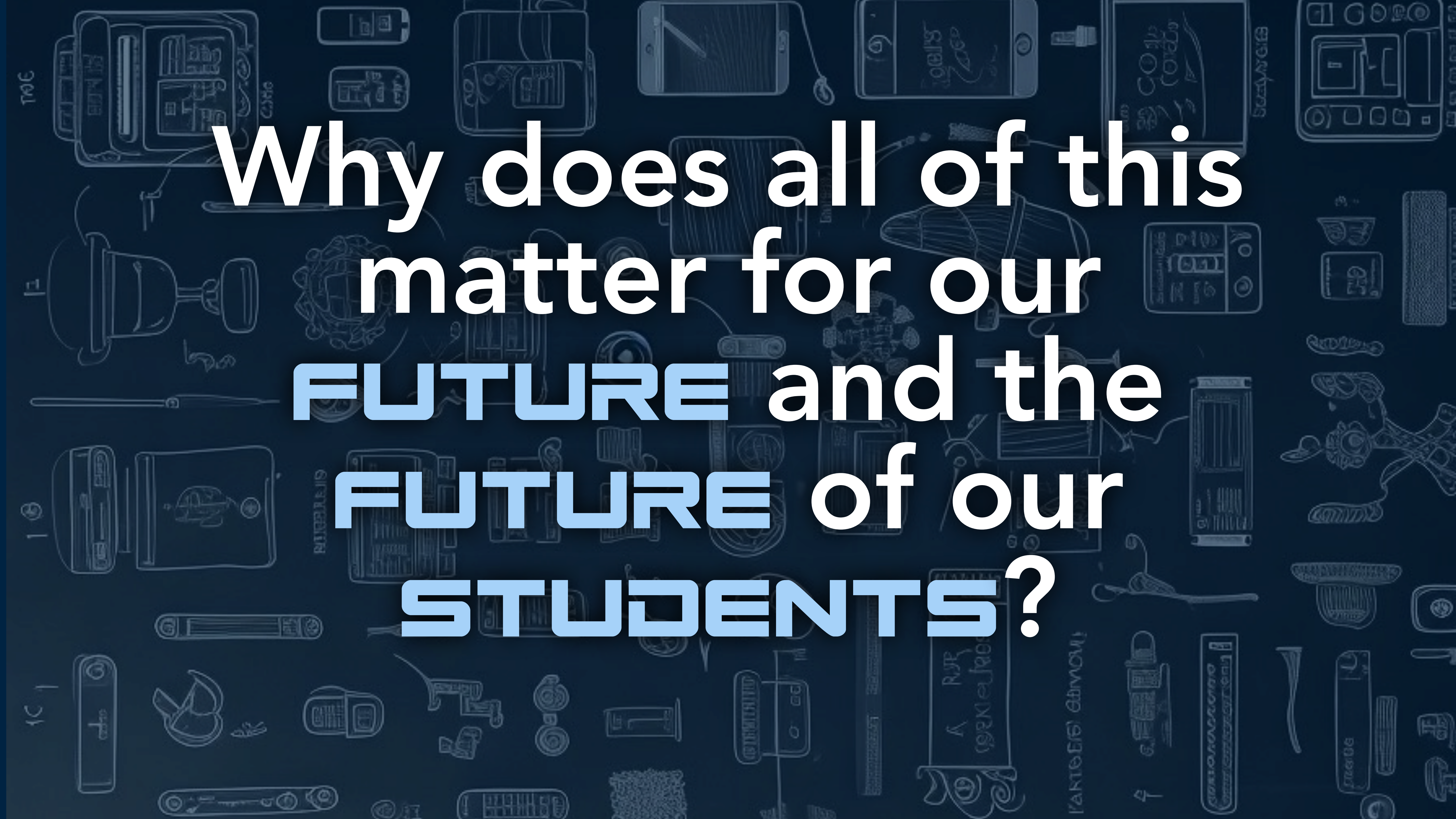
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Resources: mrhook.it/esc1

@mrhooker



Why does all of this
matter for our
FUTURE and the
FUTURE of our
STUDENTS?



106

12

16

10

106

12

16

10

106

12

16

1C

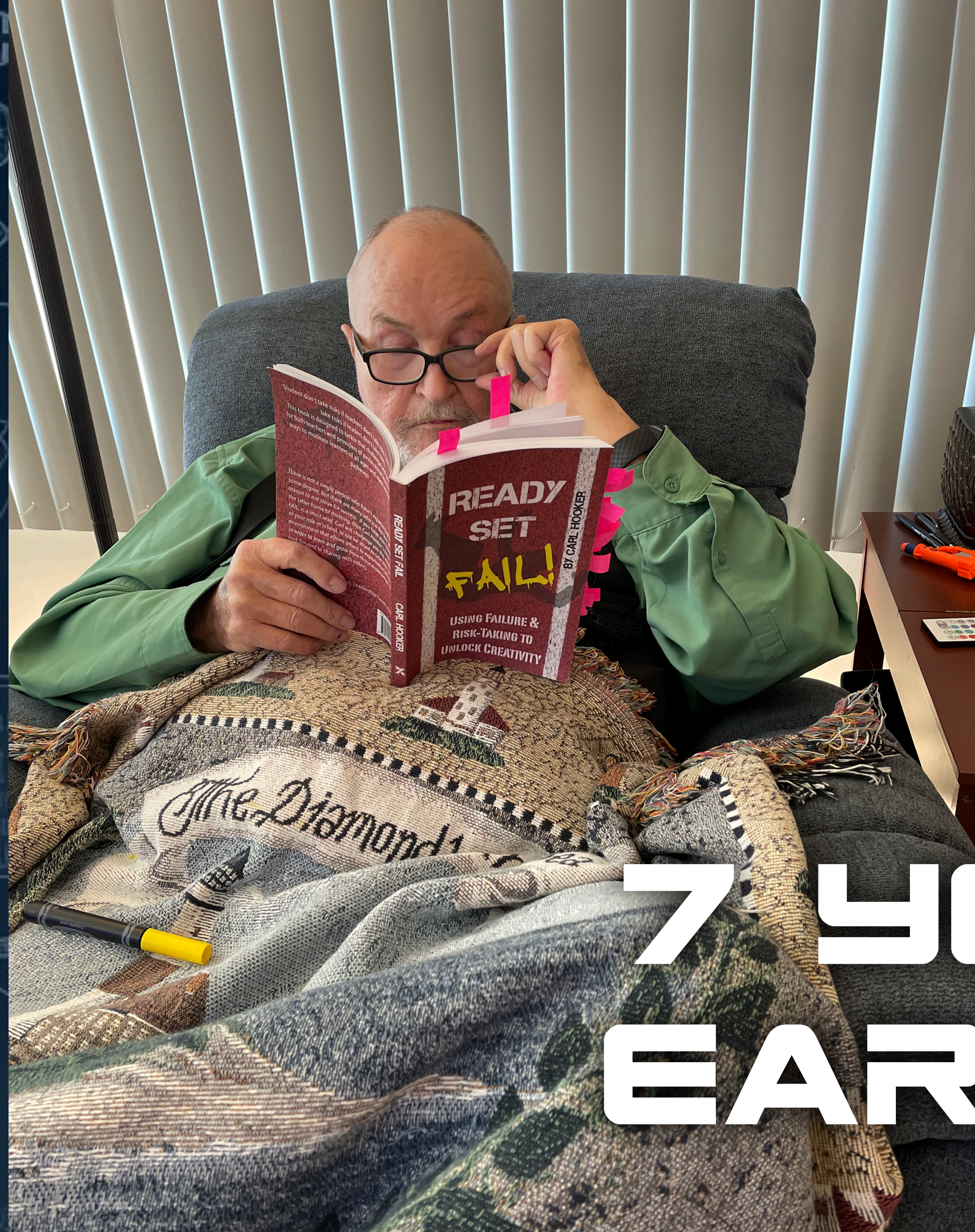


106

12

16

1C



7 YEARS EARLIER..

A

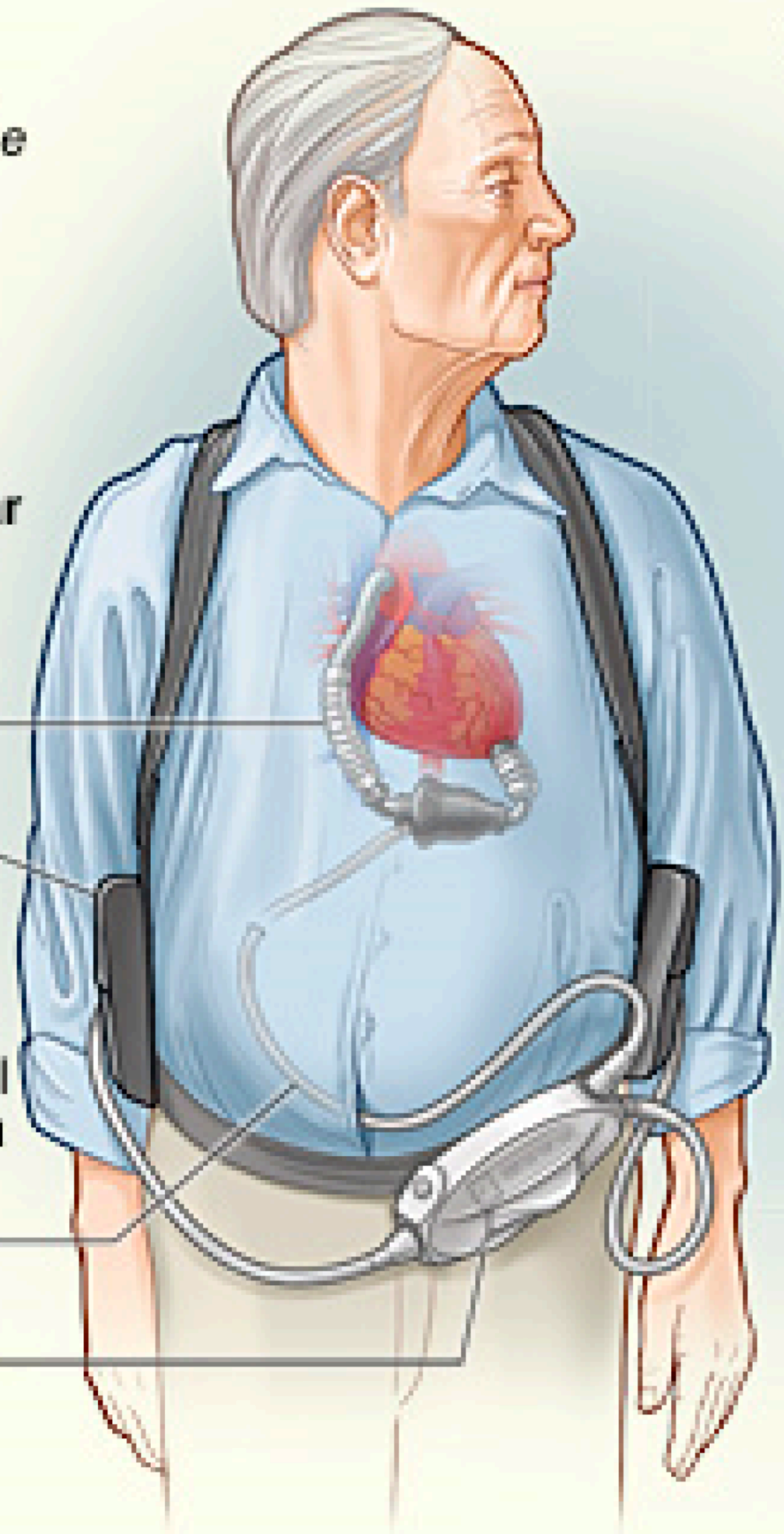
(Patients can be fully mobile)

Left ventricular assist device (LVAD) connected to heart

Battery

A cable connects the external control unit and internal LVAD through a small hole in the abdomen

Control unit



B

LVAD pumps blood into the aorta (to the body)

Outflow graft

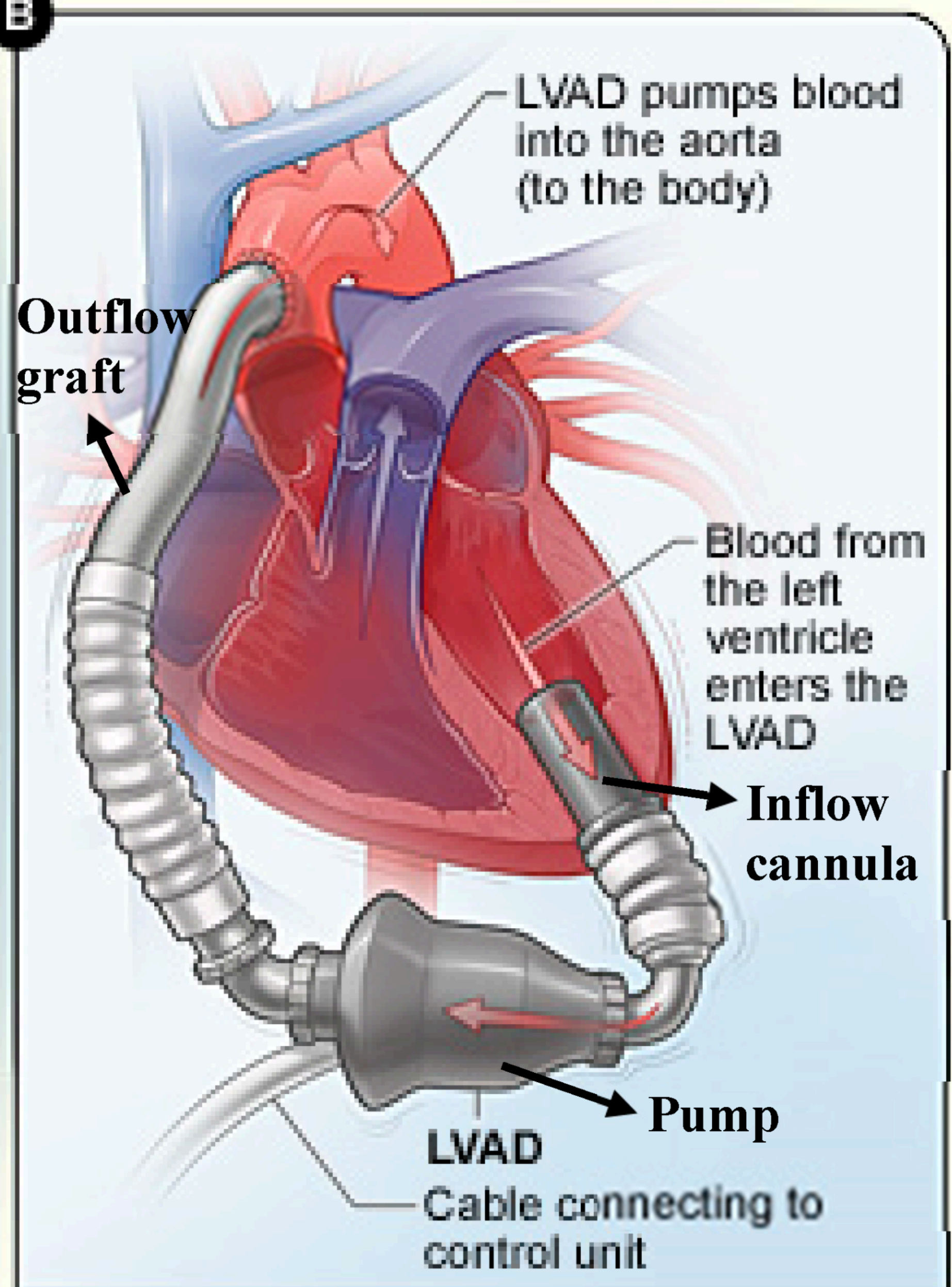
Blood from the left ventricle enters the LVAD

Inflow cannula

Pump

LVAD

Cable connecting to control unit



Heart is shown in cross-section





The image features a central composition where a blue, articulated robotic hand is gently grasping a human hand. The background is a dark blue field filled with faint, white line-art sketches of various technological devices, including smartphones, tablets, and mechanical components. The overall aesthetic is clean and futuristic.

FUTURE TECHNOLOGY

will never supplant

human compassion.

@mrhooker



Thank you for **everything** you do for kids!

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