



# Are We Ready to be FUTURE READY?

Carl Hooker  
Educational Consultant &  
Strategist

[CarlHooker.com/TCEA20](http://CarlHooker.com/TCEA20)


@mrhooker



# CREDENTIALS

- Educator for 21+ years
- Head of 1:1 program with 8000 students K-12 since 2011
- Former Director of Innovation
- 6-time author
- Educational Consultant
- Future Ready Schools National Advisor



A hand is holding a black iPhone. The screen displays a blue rectangular box with white text. In the top right corner of the image, there is a circular timer icon with the number '00' and the word 'SECONDS' below it.

**Take out your phone  
find a picture that brings  
you joy.  
Stand up and share it  
with someone.**

00

SECONDS





**Kids?  
Pets?  
Location?**





**Spouse?**



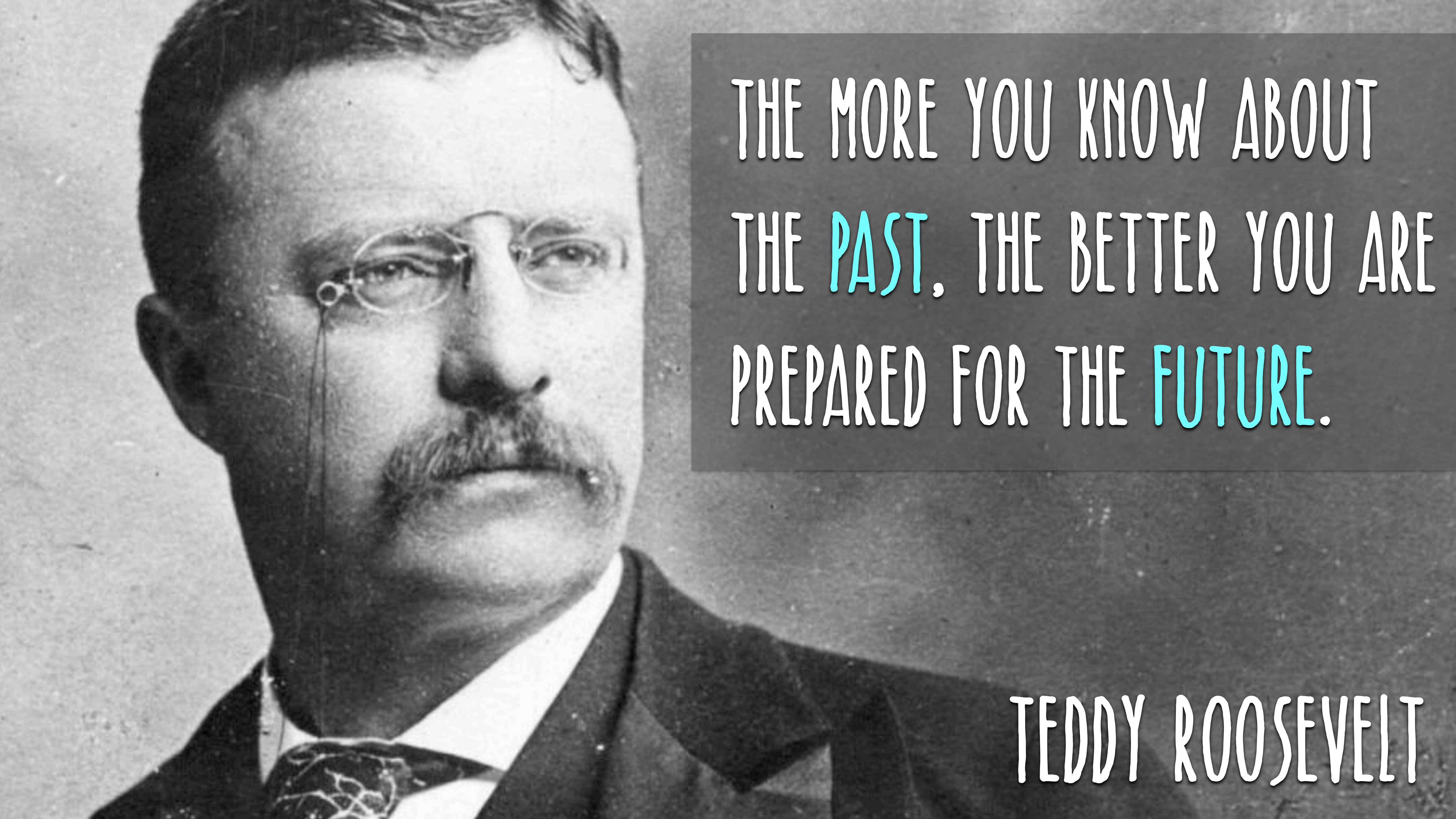
2030

2027

2031





A black and white portrait of a young man with a mustache and glasses, wearing a suit and tie. The image is the background for the text.

THE MORE YOU KNOW ABOUT  
THE PAST, THE BETTER YOU ARE  
PREPARED FOR THE FUTURE.

TEDDY ROOSEVELT









2001 CASEY ELEMENTARY SCHOOL 2002



## CHALLENGE #1

In 2 minutes - Get with a partner or small group and list as many social media sites/apps you can think of.

0







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

Global  
Future

Curriculum  
&  
Instruction

Disruptive  
Technology

Use of  
Space &  
Time





# Global Future

#FutureReady

@mrhooker



# Then and Now





Detroit Steel

Blockbuster

Toys R Us

General Foods

Compaq

TWA

American Motors

Woolworth's

Polaroid

Companies that  
no longer exist

Zenith's

DeLorean

Tower Records

Enron

Border's Books

Continental Airlines

Circuit City

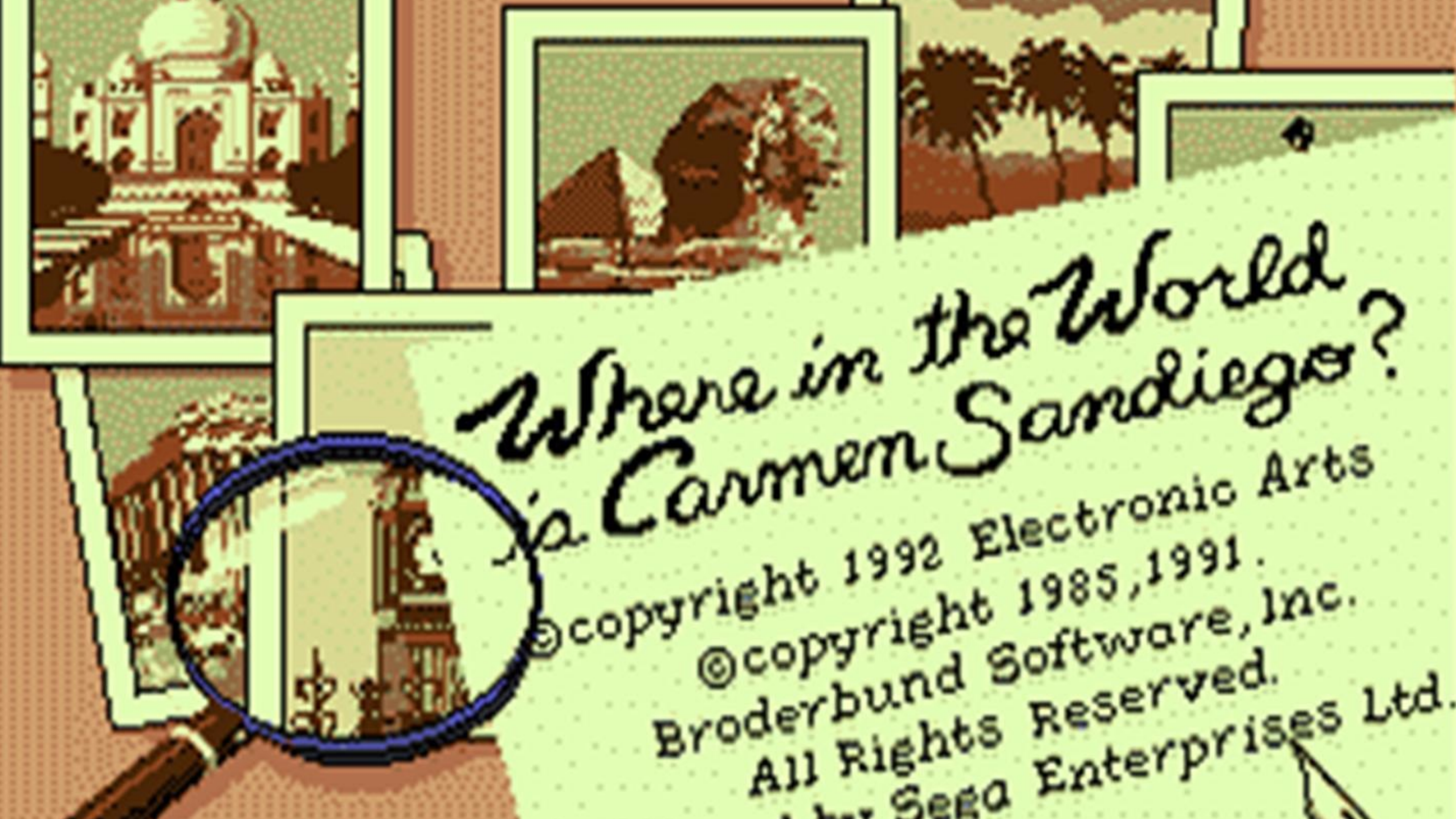
Pan Am

MCI WorldCom









# Where in the World is Carmen Sandiego?

©copyright 1992 Electronic Arts  
©copyright 1985, 1991.

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All Rights Reserved.  
Sega Enterprises Ltd.

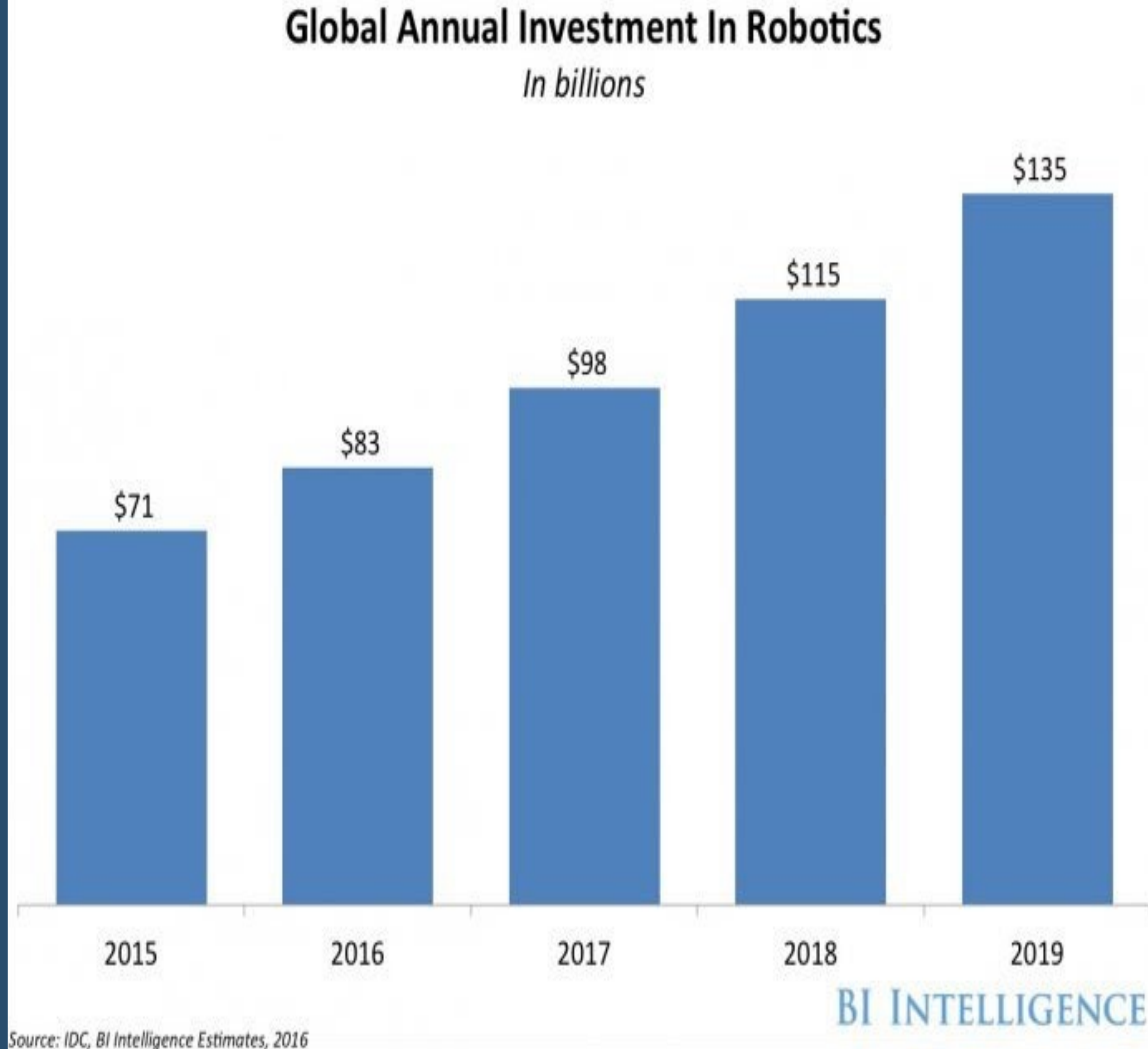
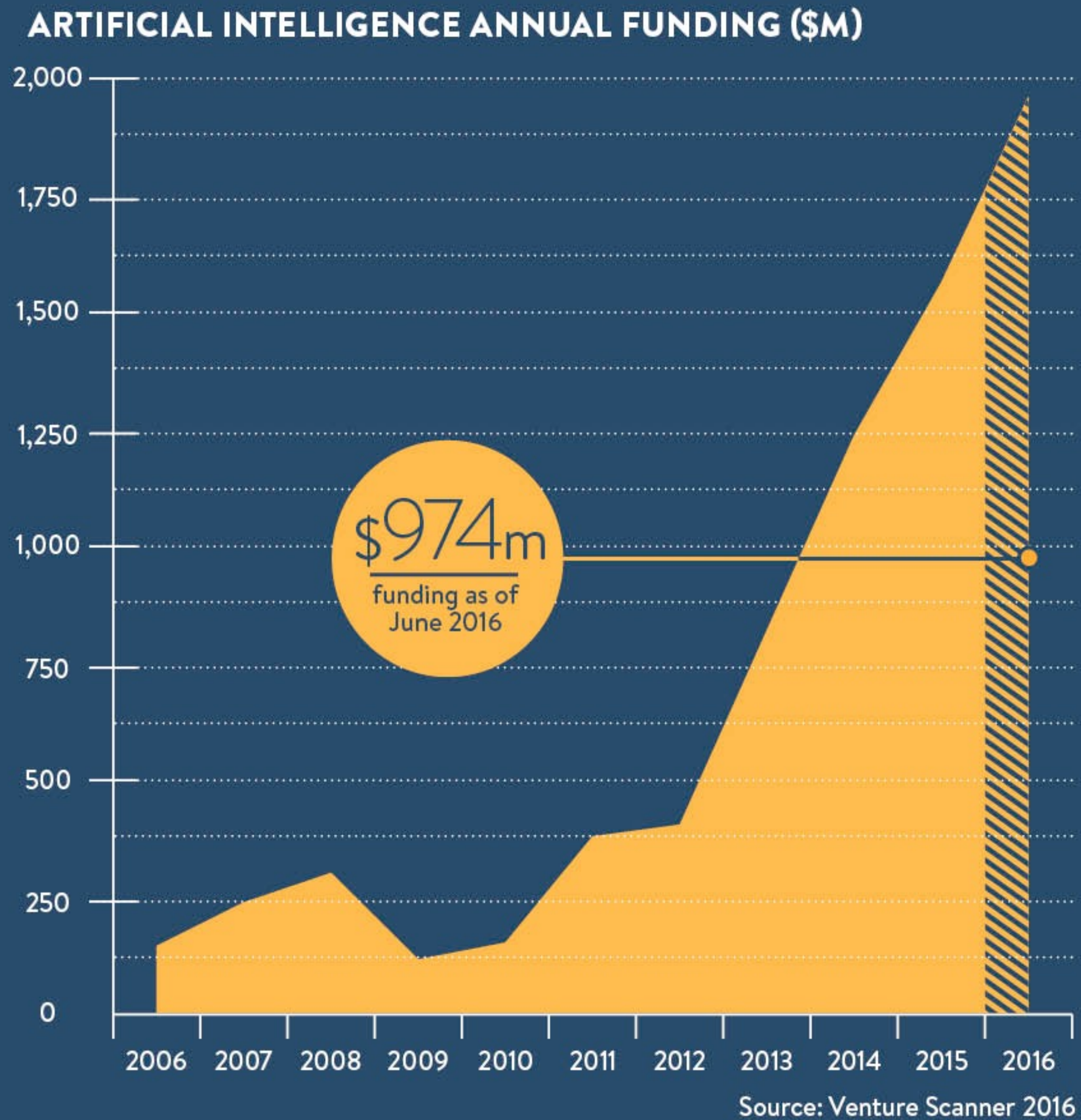


Companies that  
didn't exist  
40 years ago

Amazon Jet Blue Target Google Microsoft  
Nike Home Depot Dell  
Costco Starbucks  
Facebook Intel  
PayPal Qualcomm  
Adobe Systems Best Buy Pfizer  
Tesla Virgin Atlantic Apple



# Money invested in AI & Robotics





# Rate of automation

Division of labour as share of hours spent (%)



COMMITTED TO  
IMPROVING THE STATE  
OF THE WORLD



Human

Machine

2018

71

29

2022

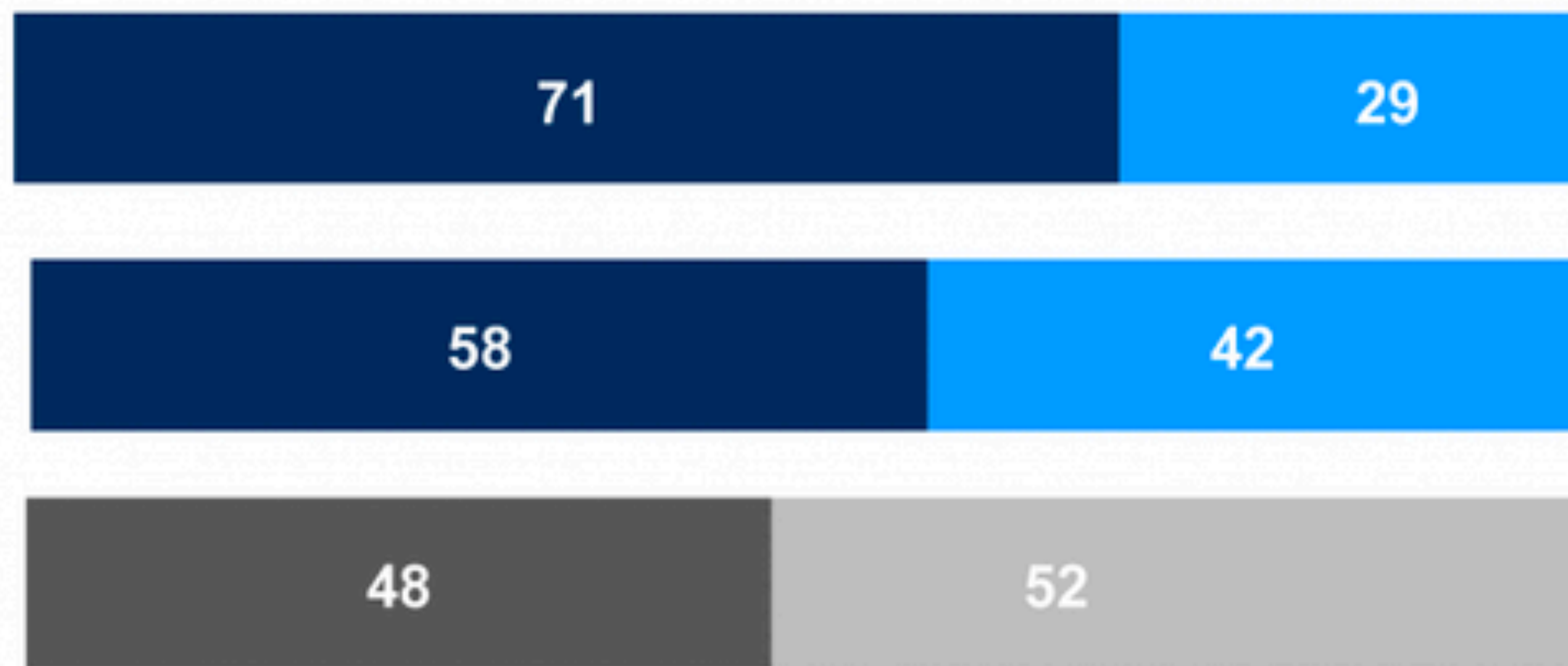
58

42

2025

48

52







amazon go

amazon go

amazon go





JUST  
WALK  
OUT  
SHOPPING

amazon







# Stand n' Talk

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

02  
MINUTES  
00



# WillRobotsTakeMyJob.com

**WILL ROBOTS TAKE MY JOB?**

Enter your job

---

or show random example



# Top 10 Job Skills - World Economic Forum

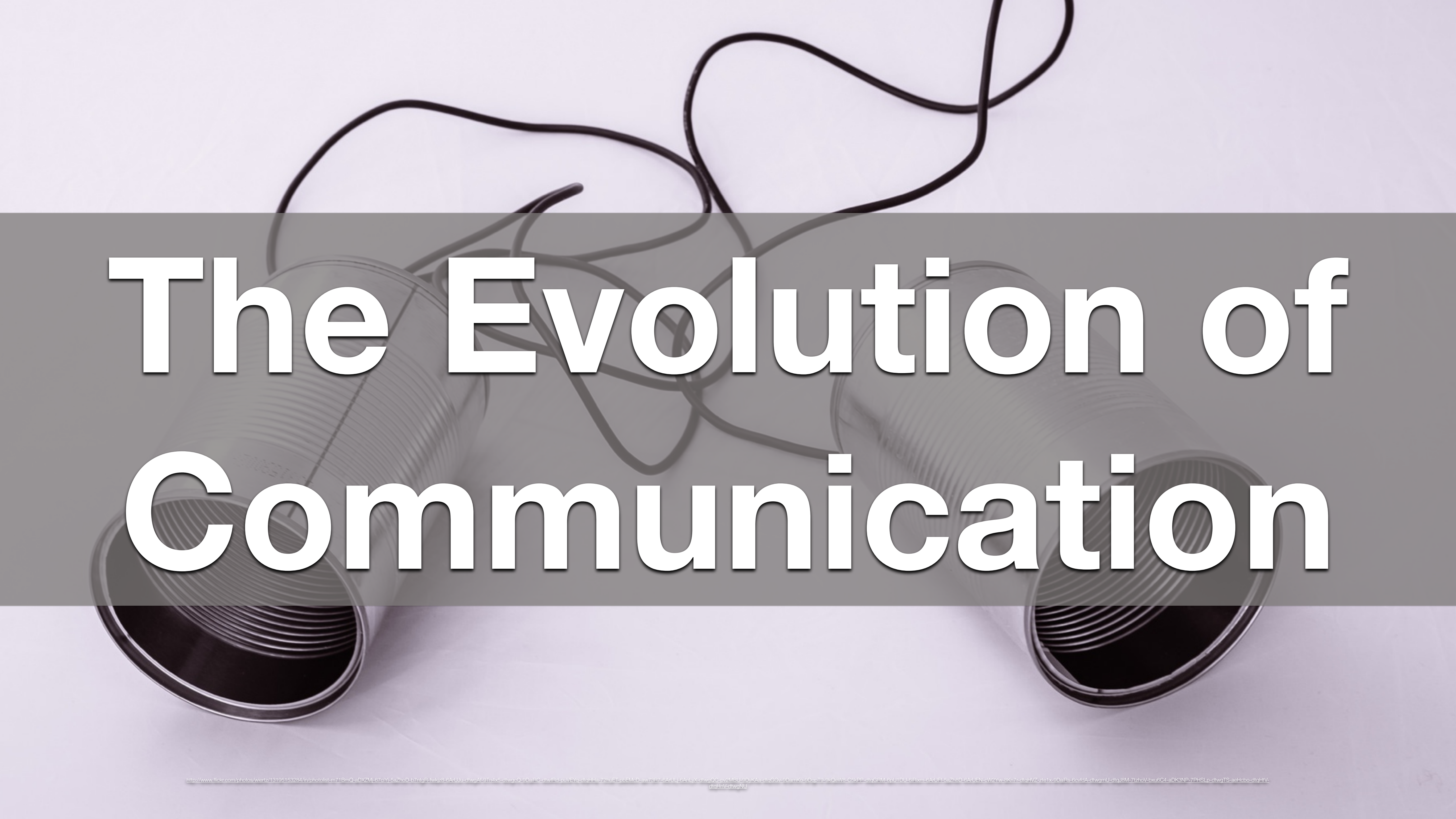
## 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgement & Decision Making
9. Active Listening
10. Creativity

## 2020

- 1.
- 2.
- 3.
- 4.
- 5.
6. **Emotional Intelligence**
- 7.
- 8.
- 9.
10. **Cognitive Flexibility**





# The Evolution of Communication













44+33+555+555+666=hello



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 Ram van, showing significant rust and wear, is parked on a residential street. The van is a box-style vehicle with a chrome bumper and a 'RAM' badge on the side. In the background, there is a house with a stone pillar and a black metal fence. The scene is set in a sunny, suburban neighborhood with trees and a clear sky.

Don't get a car with a stranger



A person wearing a dark hoodie is shown from the side, typing on a laptop. The background is a light blue gradient with a pattern of binary code (0s and 1s). The text "Don't meet people from the internet" is overlaid in the center in a white, bold, sans-serif font.

**Don't meet people from the  
internet**



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





\*\*\*\*\* COMMODORE 64 BASIC V2 \*\*\*\*\*

64K RAM SYSTEM 38911 BASIC BYTES FREE

READY  
LOAD "X",8,1

■ NOW TIMES HAVE CHANGED ■



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

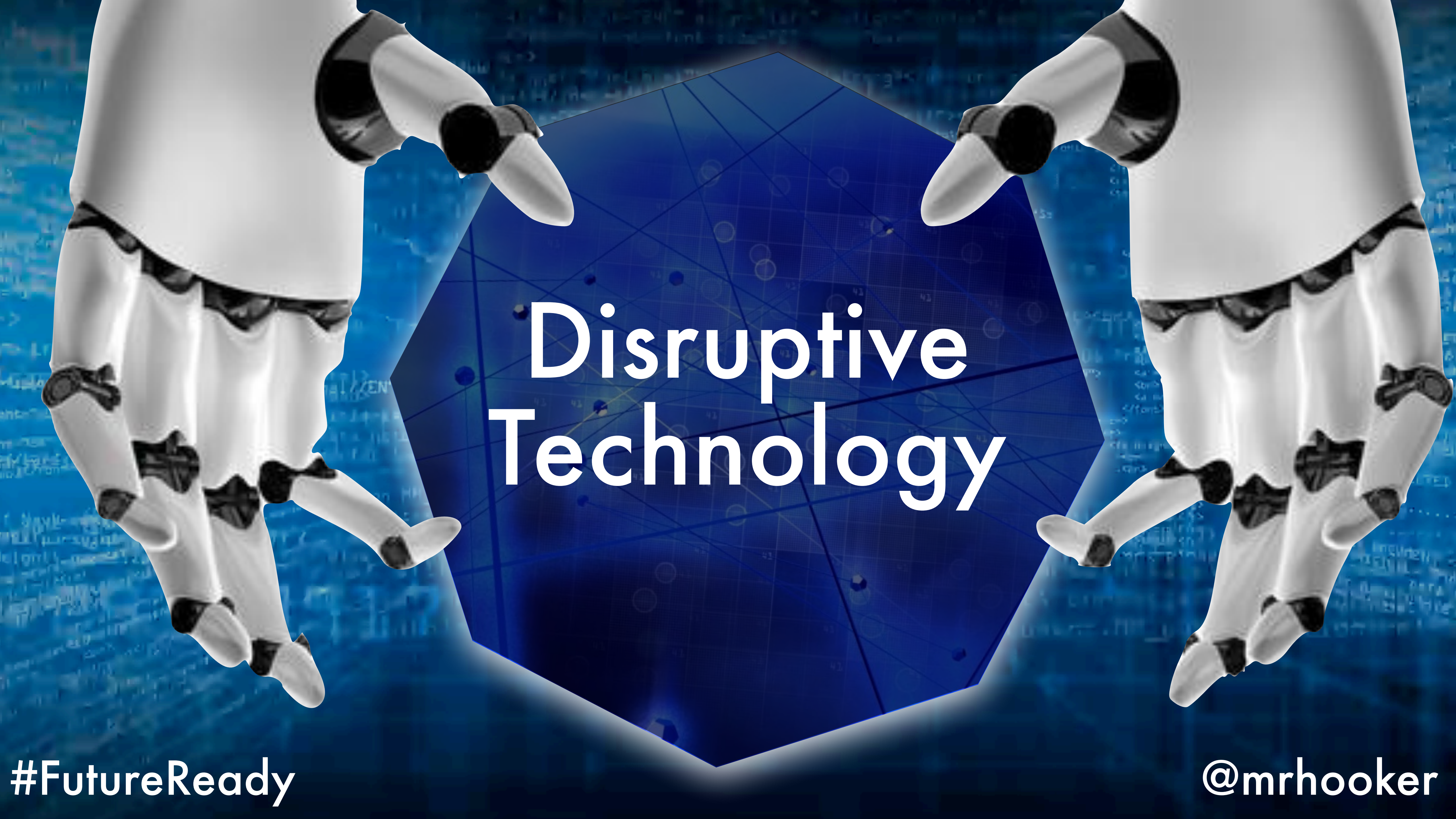
Global  
Future

Curriculum  
&  
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Disruptive  
Technology

Use of  
Space &  
Time





# Disruptive Technology

#FutureReady

@mrhooker



Past

Present

Future?





Past

Present

Future?

Computing

Transportation

Education





Past

Present

Future?

Computing

Transportation

Education



Past

Present

Future?



c|net



Past

Present

Future?







Past

Present

Future?

Computing

Transportation

Education





Past

Present

Future?

Computing

Transportation

Education



Past

Present

Future?

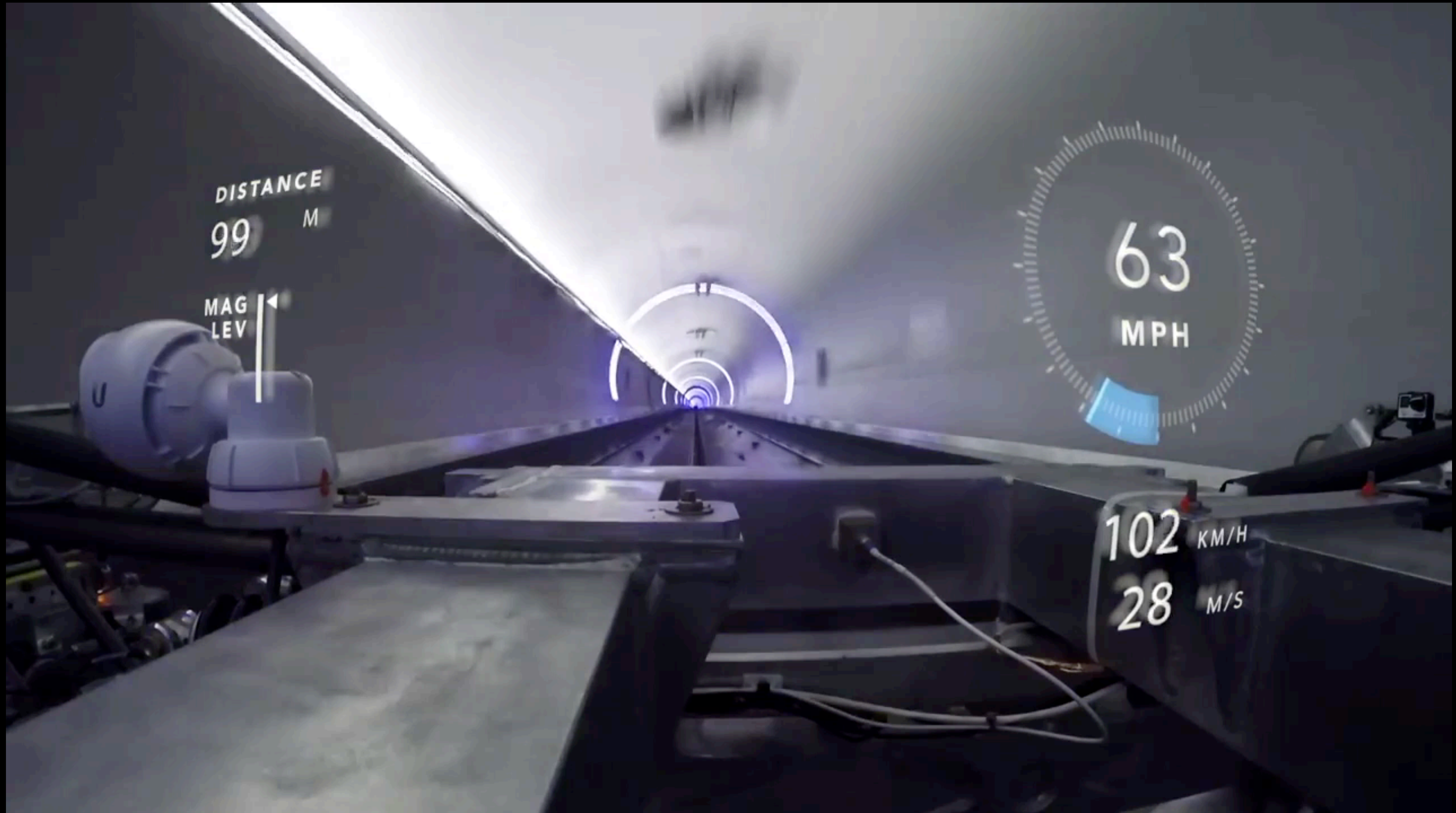




Past

Present

Future?







Past

Present

Future?

Computing

Transportation

Education





Past

Present

Future?

Computing

Transportation

Education



Past

Present

Future?





Past

Present

Future?





Past

Present

Future?

Computing

Transportation

Education



# Stand n' Talk

What kind of **technology**  
will be **disruptive** for  
schools in the future?

02  
MINUTES  
00









**“Disruptive  
technology should  
be framed as a  
marketing  
challenge, not a  
technological one.”**

*-Clayton M. Christensen*



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

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&  
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Disruptive  
Technology

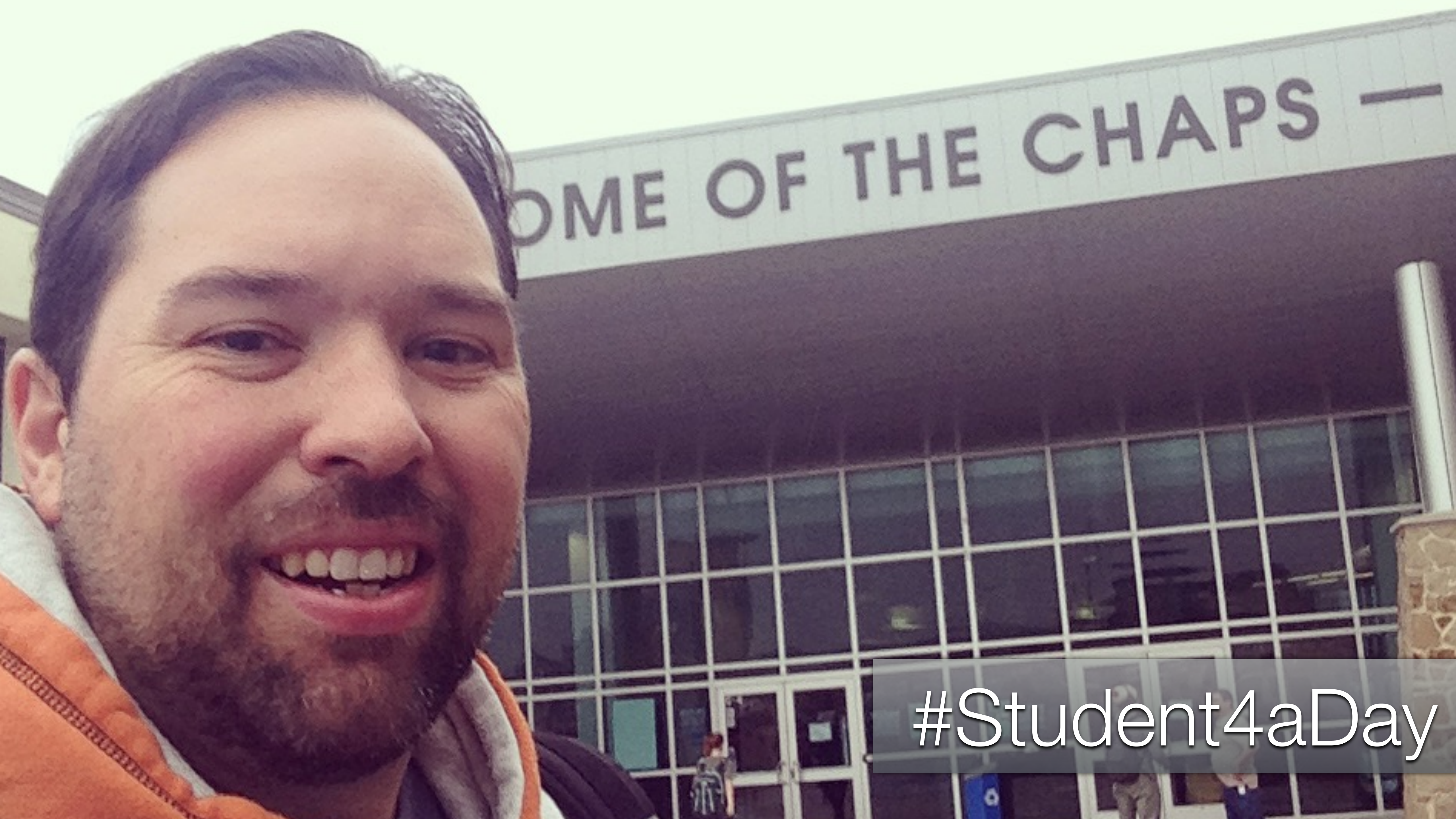
Use of  
Space &  
Time





# Use of Space & Time





HOME OF THE CHAPS —

#Student4aDay



PERIOD	TIME	CLASS
1	8:40-9:30	English
2	9:36-10:29	Chemistry 1
3	10:35-11:25	Interactive Media
4	11:31-12:21	Lunch
5	12:27-1:17	World History
6	1:23-2:13	Geometry
7	2:19-3:09	Choir
8	3:15-4:05	Business Information Management







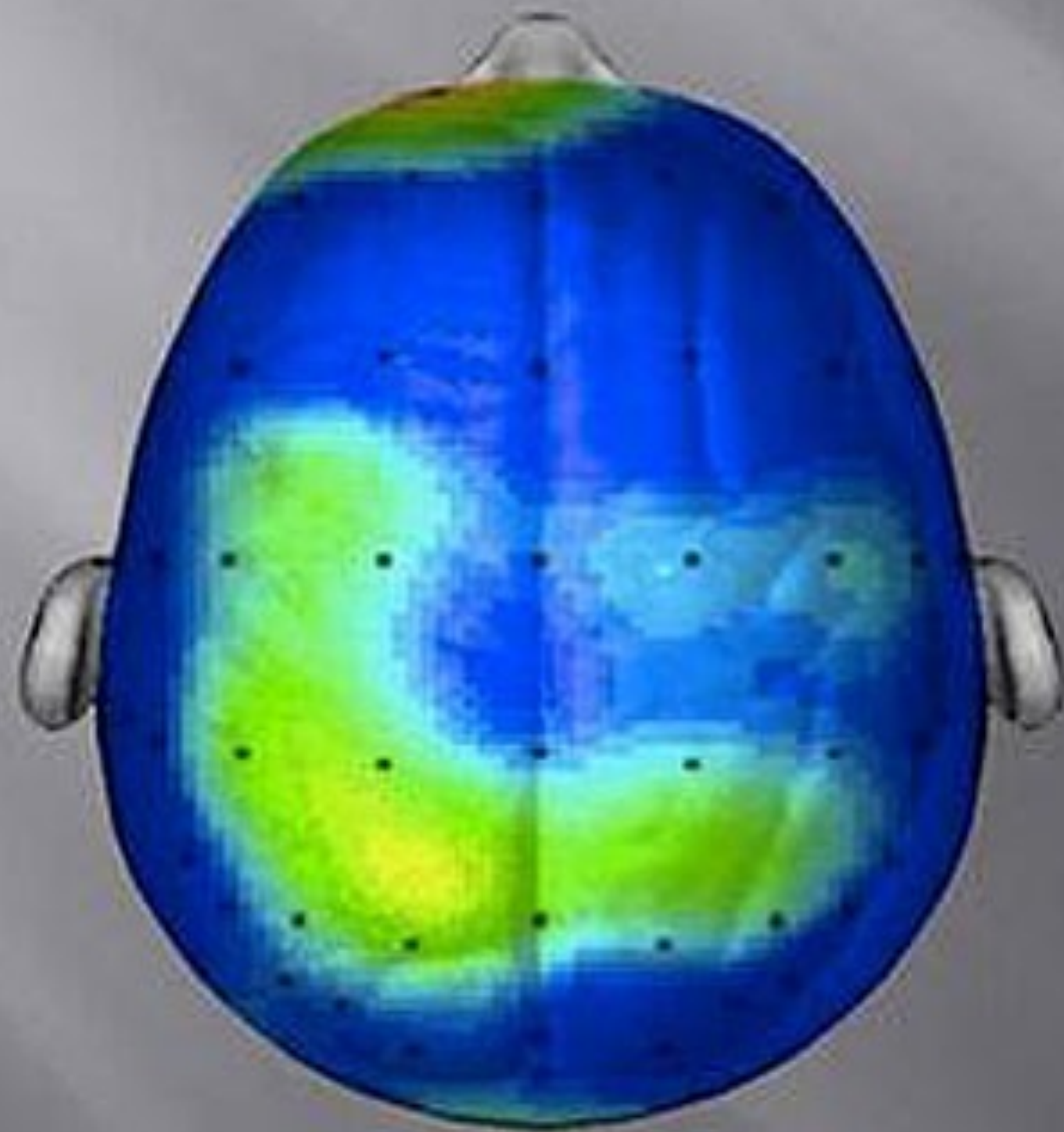
**STUDENT DESK**  
**1887-2013**

**"HERE SAT A STUDENT,  
UNCOMFORTABLY"**

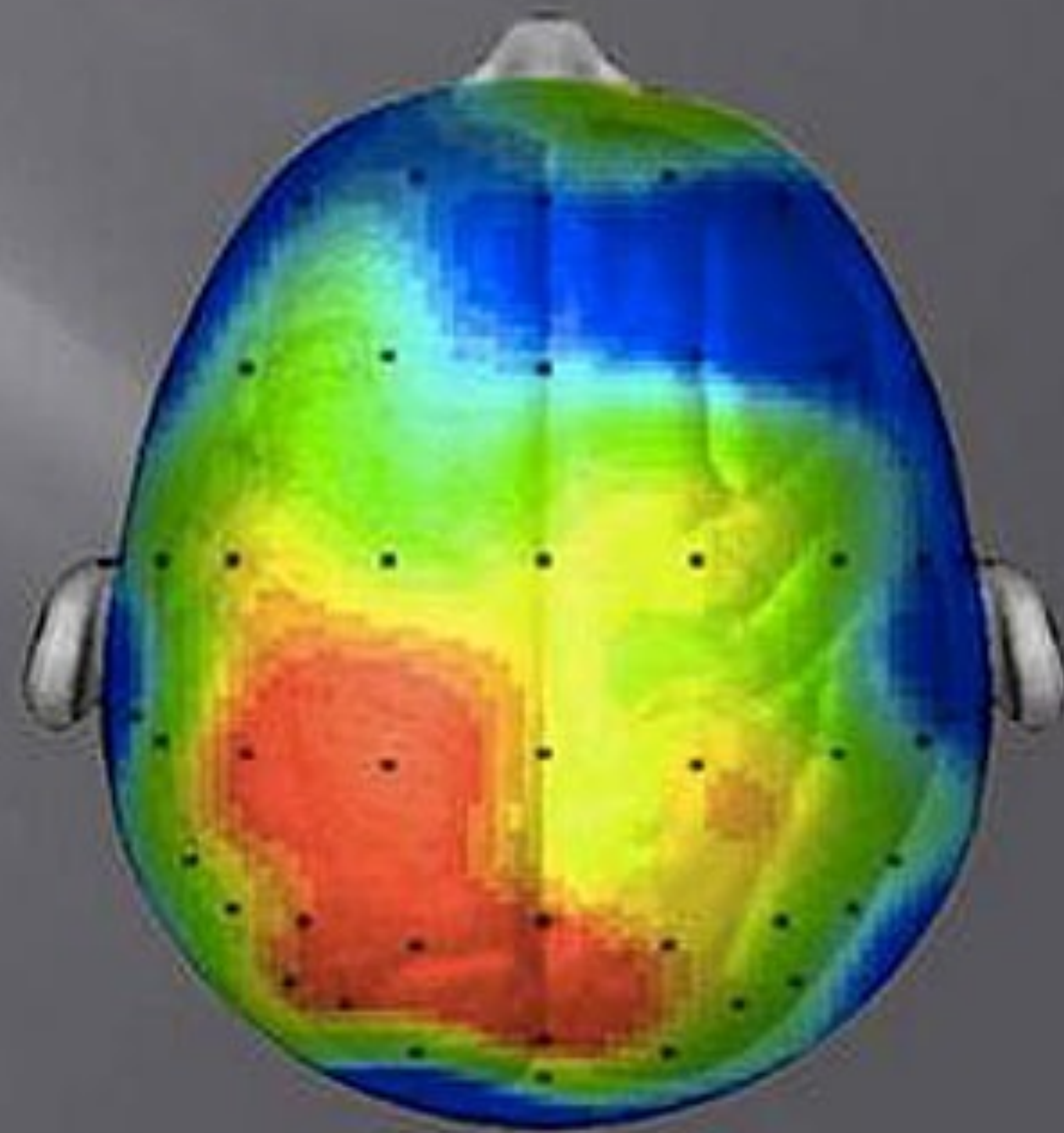




BRAIN AFTER SITTING  
QUIETLY



BRAIN AFTER 20 MINUTE  
WALK



Research/scan compliments of Dr. Chuck Hillman University of Illinois



# BRAIN BREAK



“1,2,3 - Fail WooHoo!”



**Stand Up**



1

2

3





XSFCOM







1

2

3





Source: <http://www.scriptmag.com/features/more-than-storyboards-comics-film-4-collaboration-the-smartest-person-in-the-room-isnt-you>



1

2

3



**[clap]**

**2**

**3**





XSFCOM



**[clap]**

**2**

**3**



**[clap]**

**[stomp]**

**3**







**[clap]**

**[stomp]**

**3**



**[clap]**

**[stomp]**

**[snap]**





STOP  
COLLABORATE  
& LISTEN





1

2

3

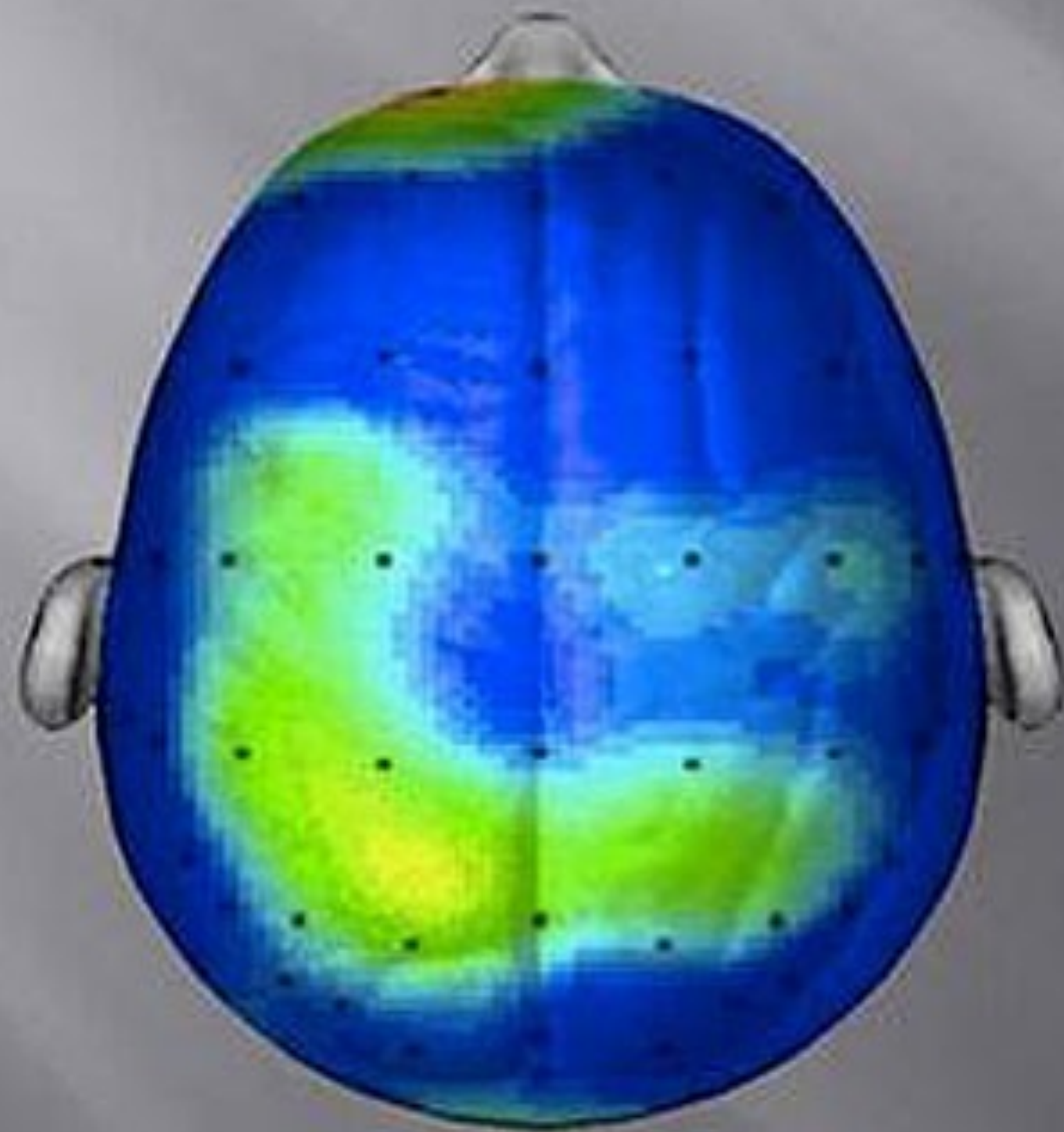
[clap]

[stomp]

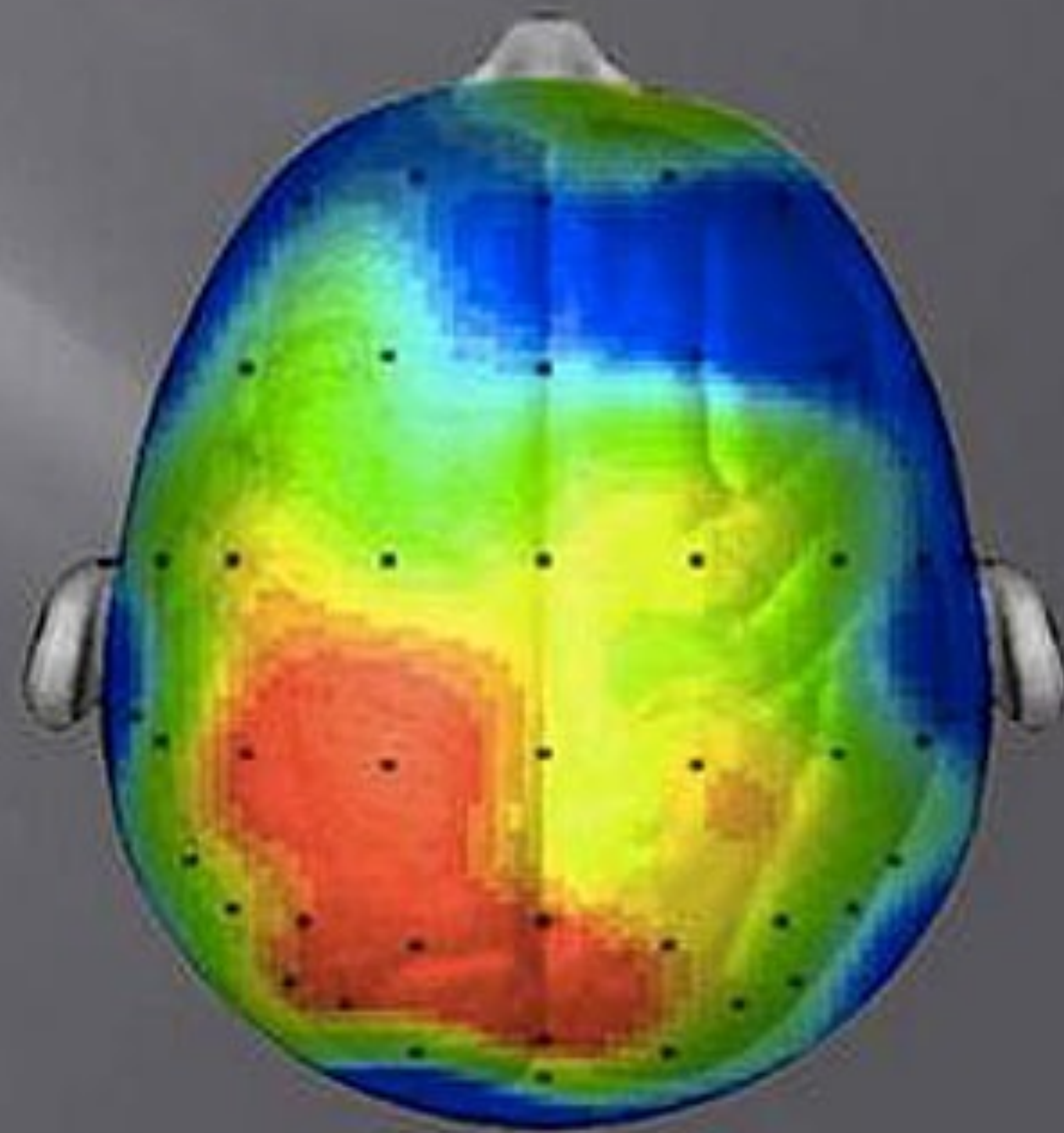
[snap]



BRAIN AFTER SITTING  
QUIETLY



BRAIN AFTER 20 MINUTE  
WALK

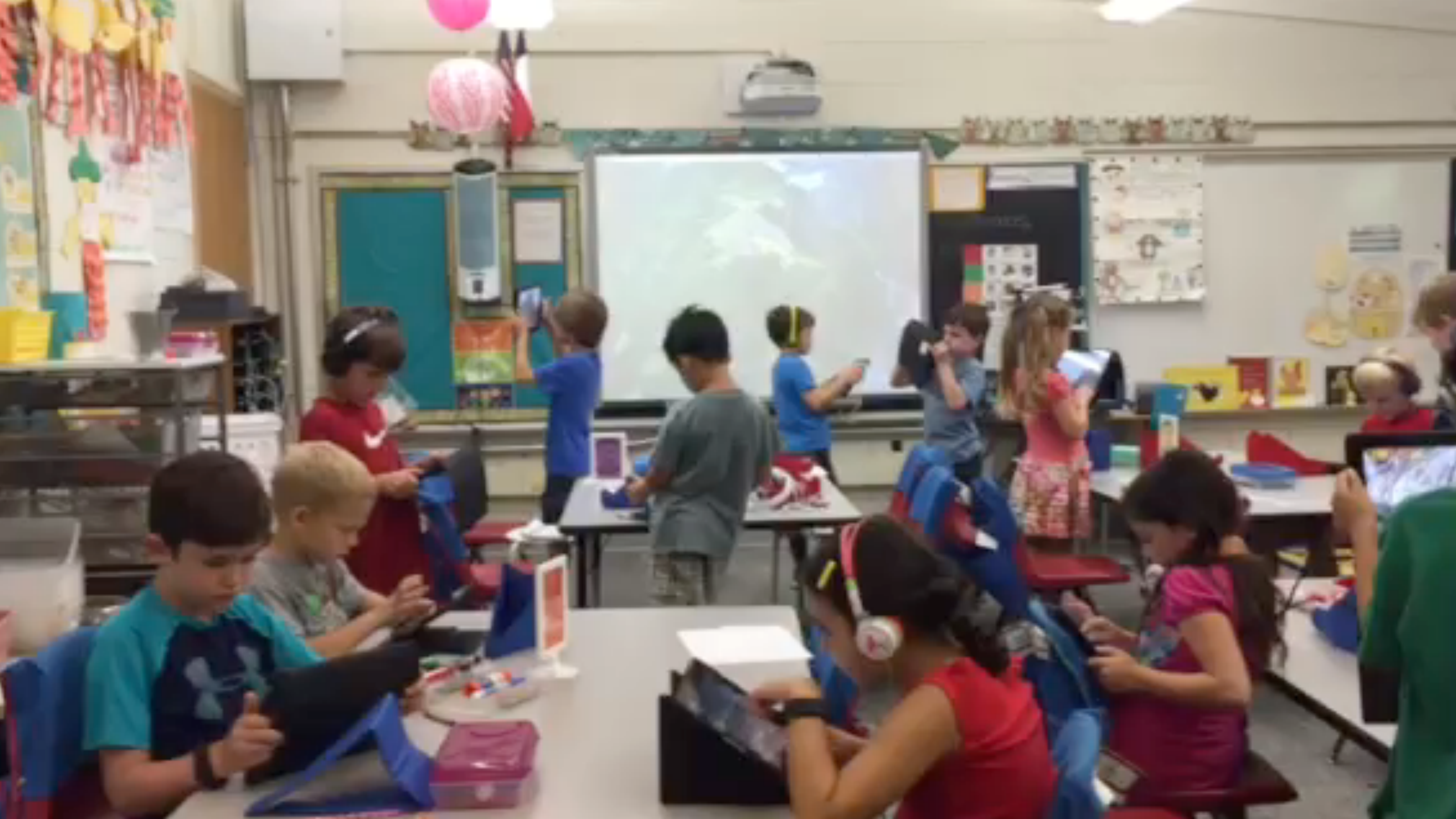


Research/scan compliments of Dr. Chuck Hillman University of Illinois

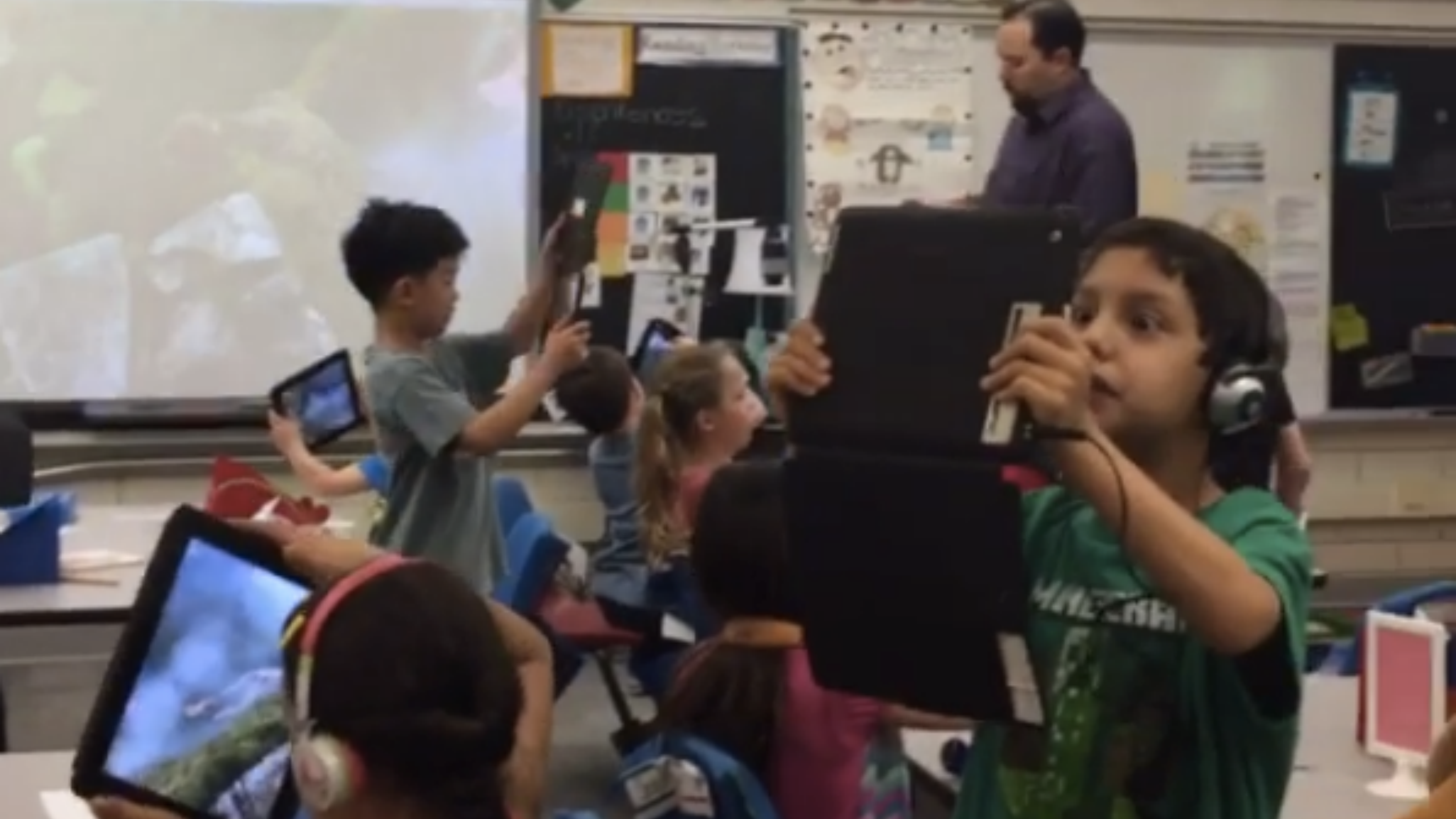














**What does this furniture arrangement say about learning?**





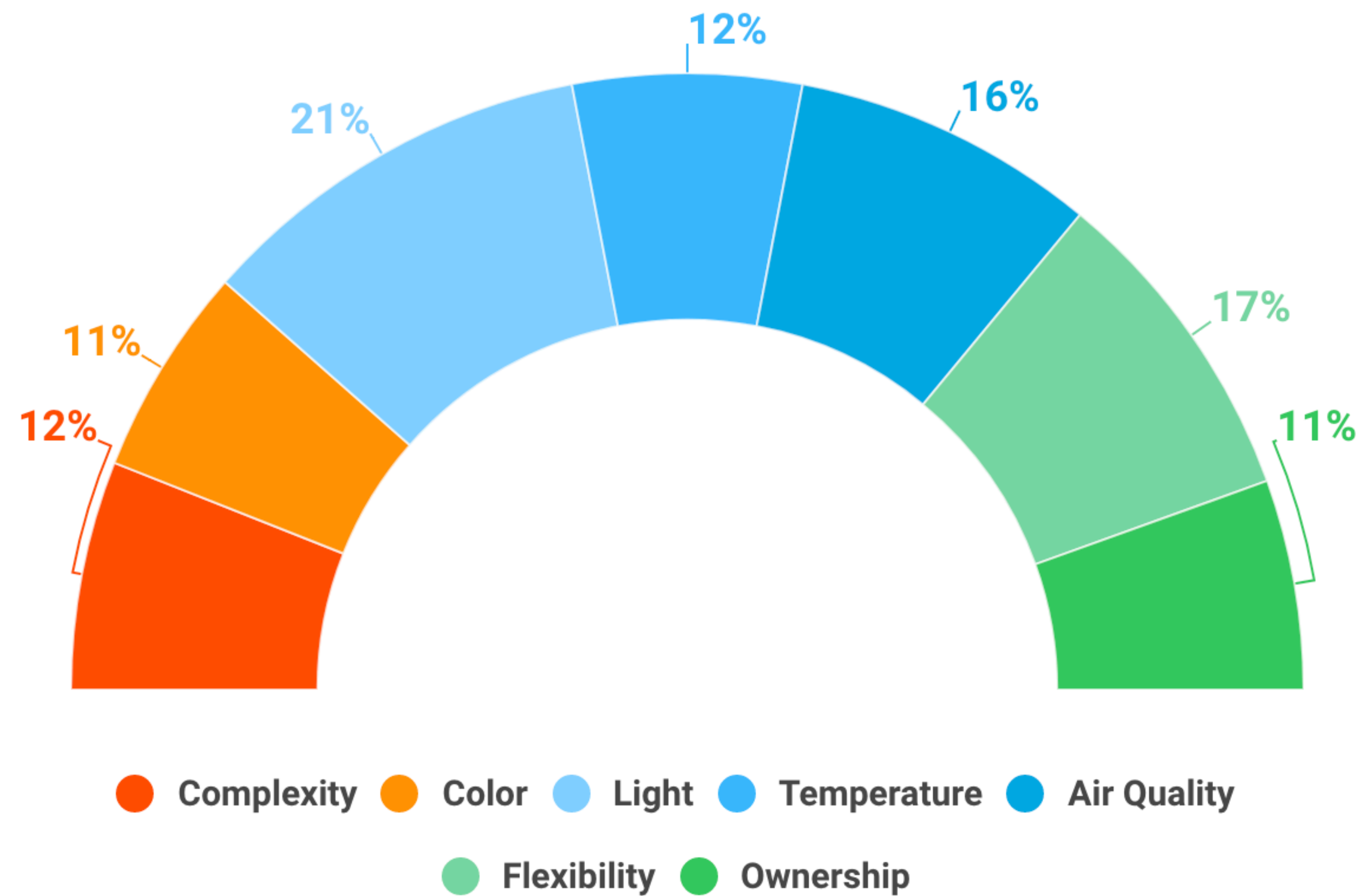








PERCENTAGE OF ACADEMIC IMPROVEMENT BY FACTOR



Personalizing factors like flexibility and student ownership were responsible for 28% of the academic progress attributed to classroom design.



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

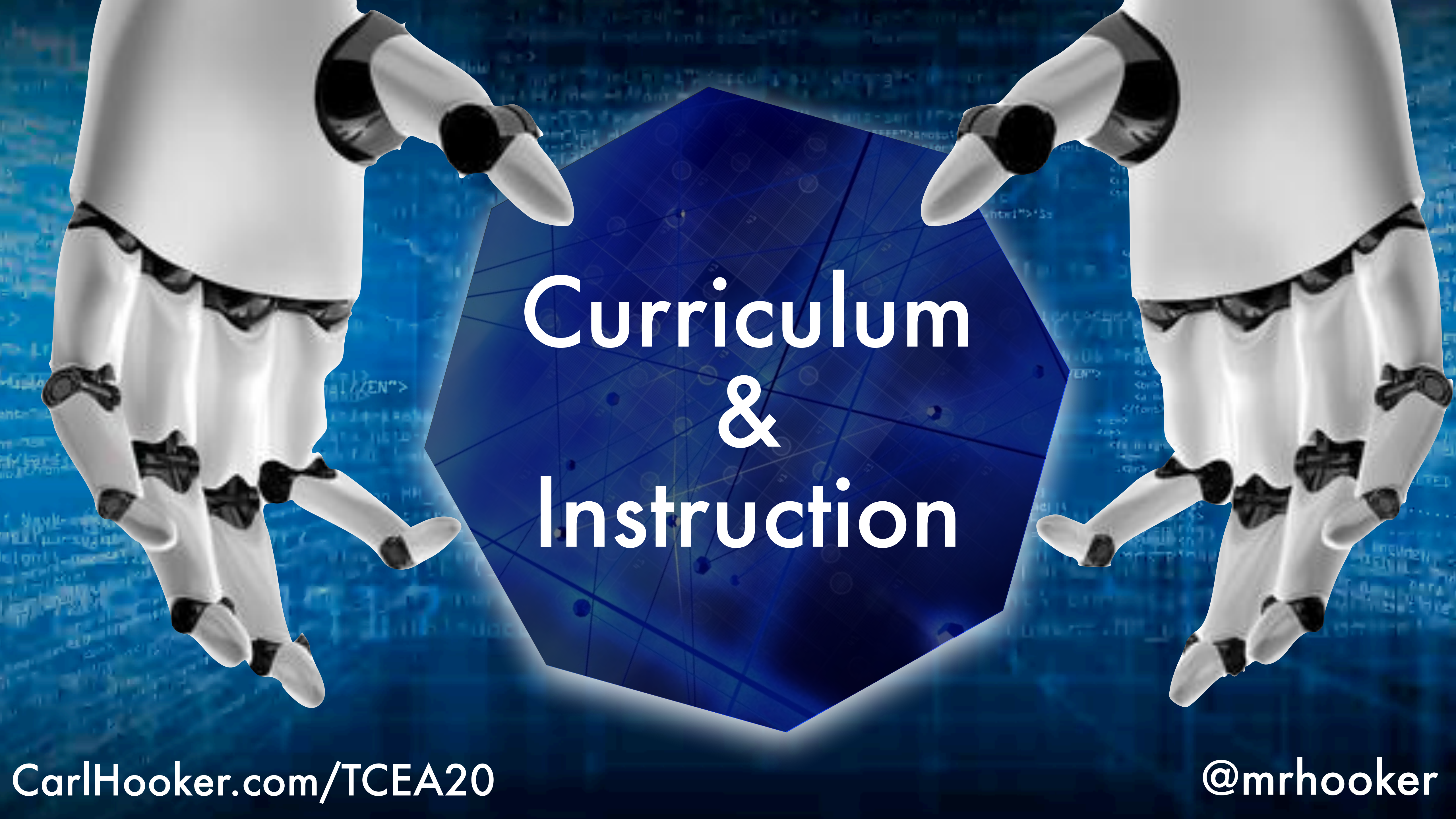
Global  
Future

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Use of  
Space &  
Time





# Curriculum & Instruction



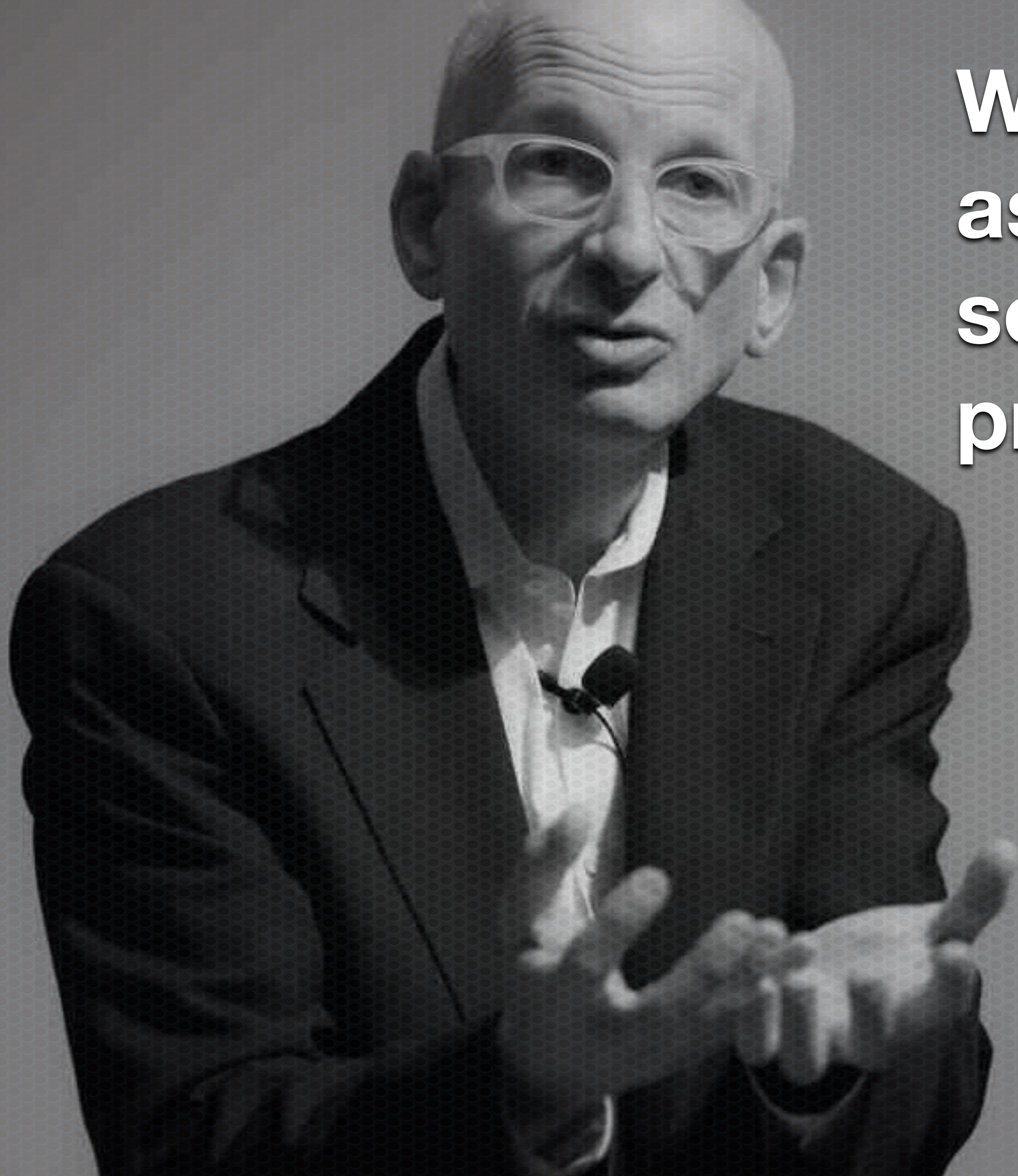
# GAME OF SCHOOL





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



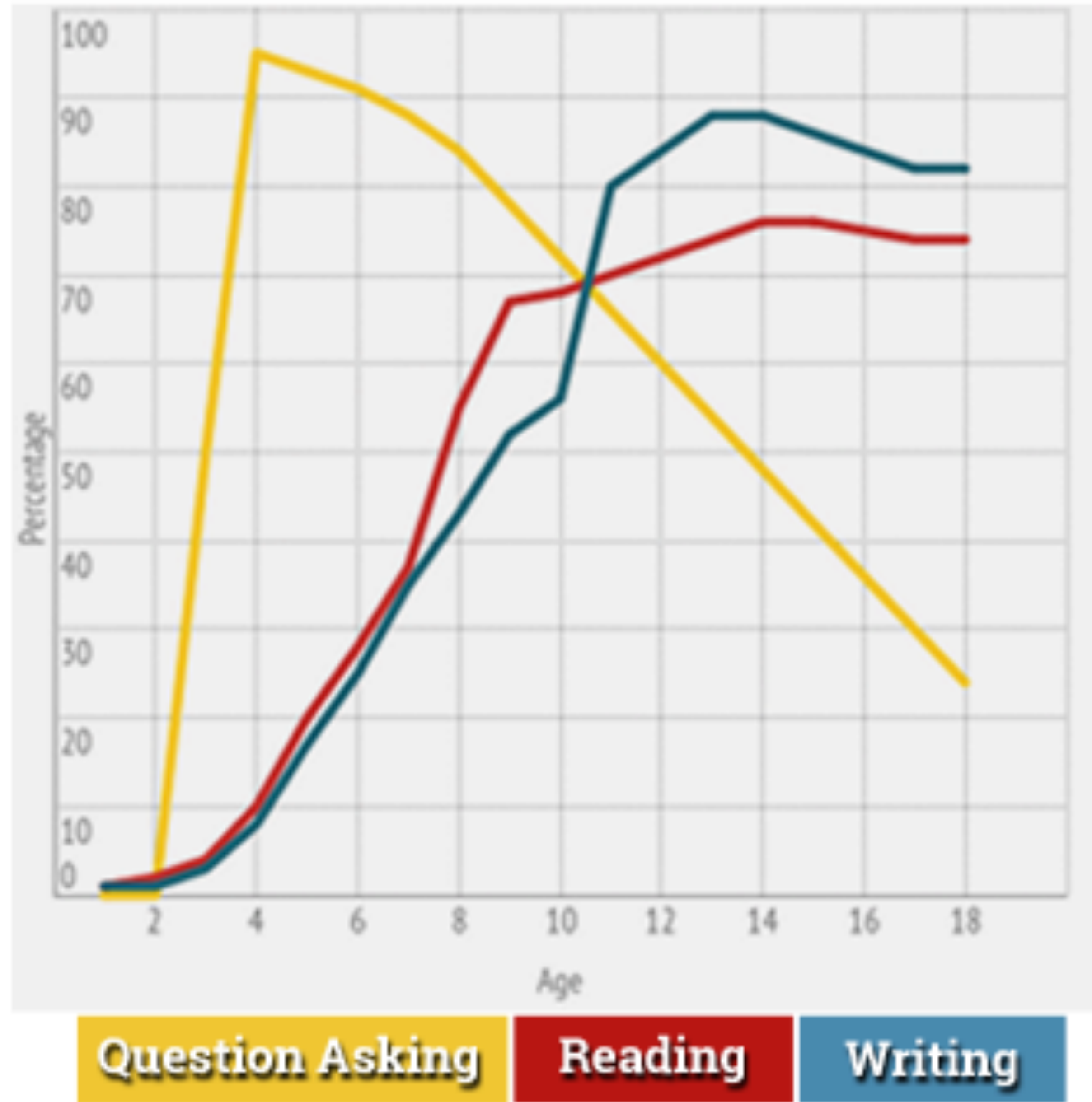


We need to be  
asking our kids to  
solve **interesting**  
problems...

...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?





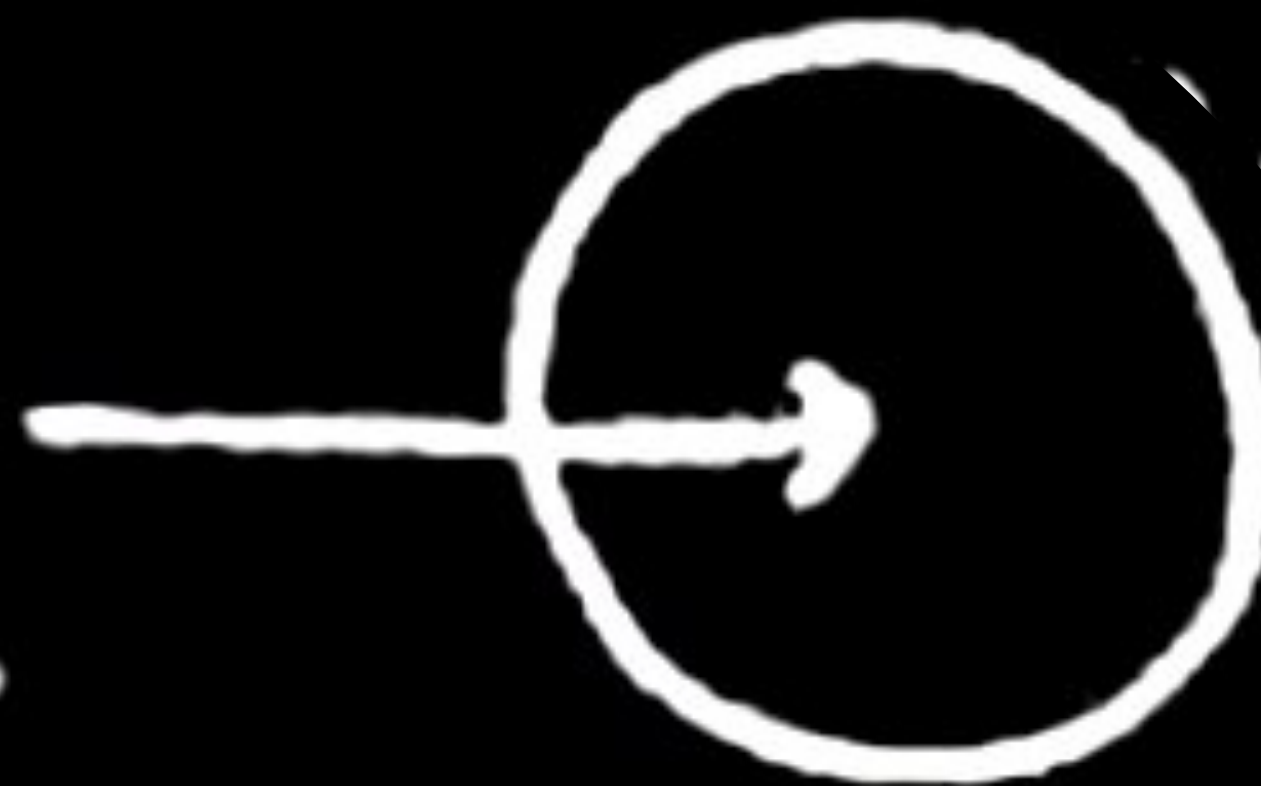
“Don’t just  
teach a  
lesson,  
create an  
*experience.*”

-Dave Burgess  
@burgessdave





Your  
Comfort  
Zone



Where the  
magic happens



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

80

McGraw-Hill  
Literature

HOLT

TX

## Algebra 1

Burger  
Chard  
Hall  
Kennedy  
Lelands and  
Remfro  
Seymour  
Watts



HOLT  
McGraw-Hill  
Education

Beginnings  
through Reconstruction





incubatoredu<sup>™</sup>



SAVE  
THE  
DATE



WESTLAKE BUSINESS INCUBATOR  
PRESENTS

# THE INAUGURAL "SHARK TANK" PITCH NIGHT

HOSTED BY JOSH BAER, CAPITAL FACTORY  
AND DR. TOM LEONARD, EISD SUPERINTENDENT



MAY 19, 2017 | 6-9 PM

WESTLAKE HIGH SCHOOL PERFORMING ARTS CENTER

WATCH AS WESTLAKE HIGH SCHOOL ENTREPRENEURS  
COMPETE FOR FUNDING AND THE CHANCE TO RUN  
THEIR OWN STARTUP BUSINESS

[CLICK HERE TO REGISTER](#)

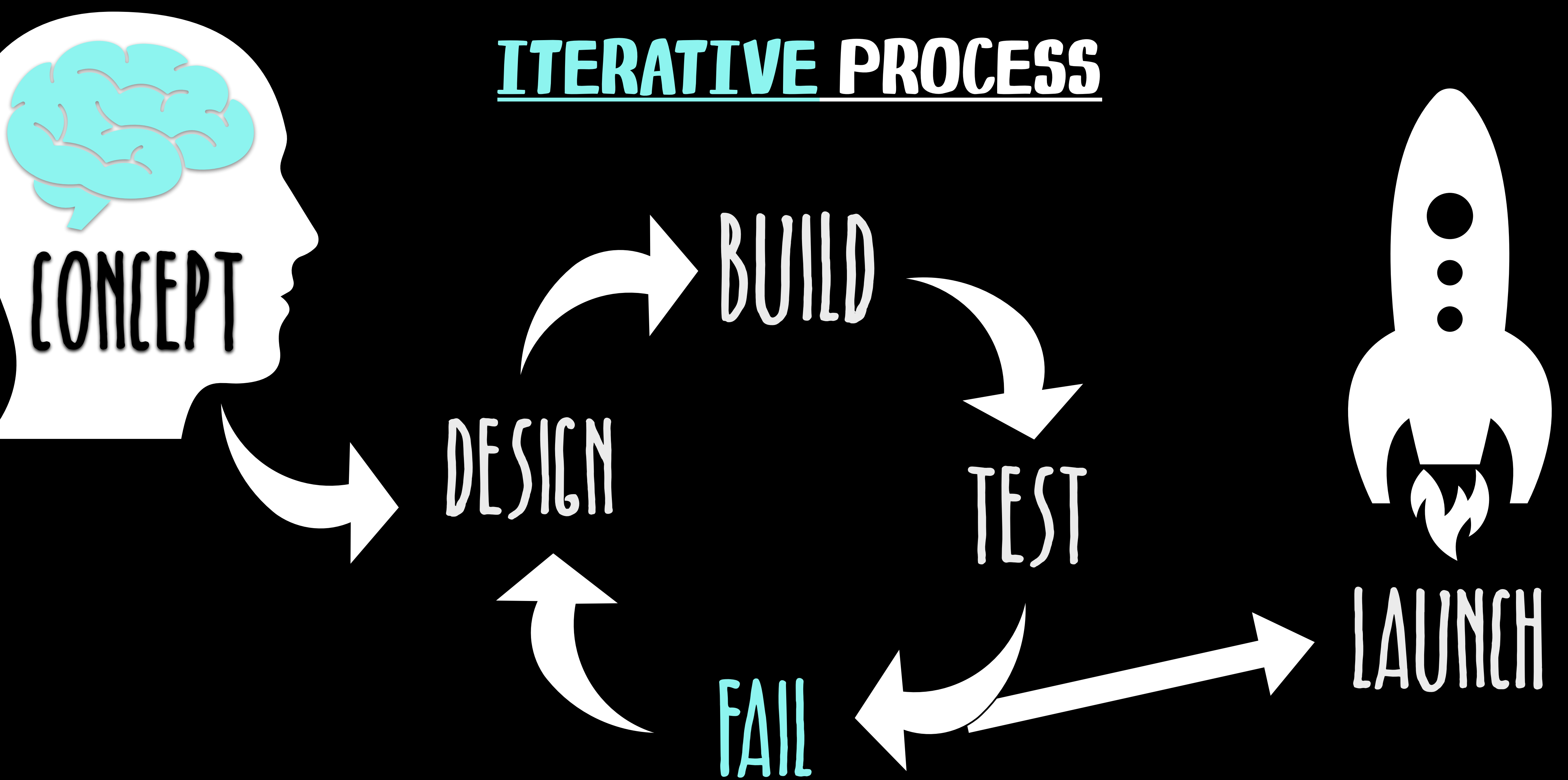
FOR MORE INFORMATION OR TO SPONSOR THIS EVENT EMAIL  
KJOYALLEN@GMAIL.COM OR JLAMIRAND@EANESISD.NET







# ITERATIVE PROCESS





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

Global  
Future

District  
Mindset

Disruptive  
Technology

Use of  
Space &  
Time



[futureready.org/connect](https://futureready.org/connect)

**FUTURE**  **READY**  
**SCHOOLS**

**PREPARING STUDENTS FOR SUCCESS**

[www.FutureReady.org](https://www.FutureReady.org)

***#FutureReady***



# Future Ready is possible because of...



CHAN  
ZUCKERBERG  
INITIATIVE





# Future Ready is possible because of...





***Future Ready Framework***













We need to create a  
generation of empathetic  
risk-takers

@mrhooker





# Are We Ready to be FUTURE READY?

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