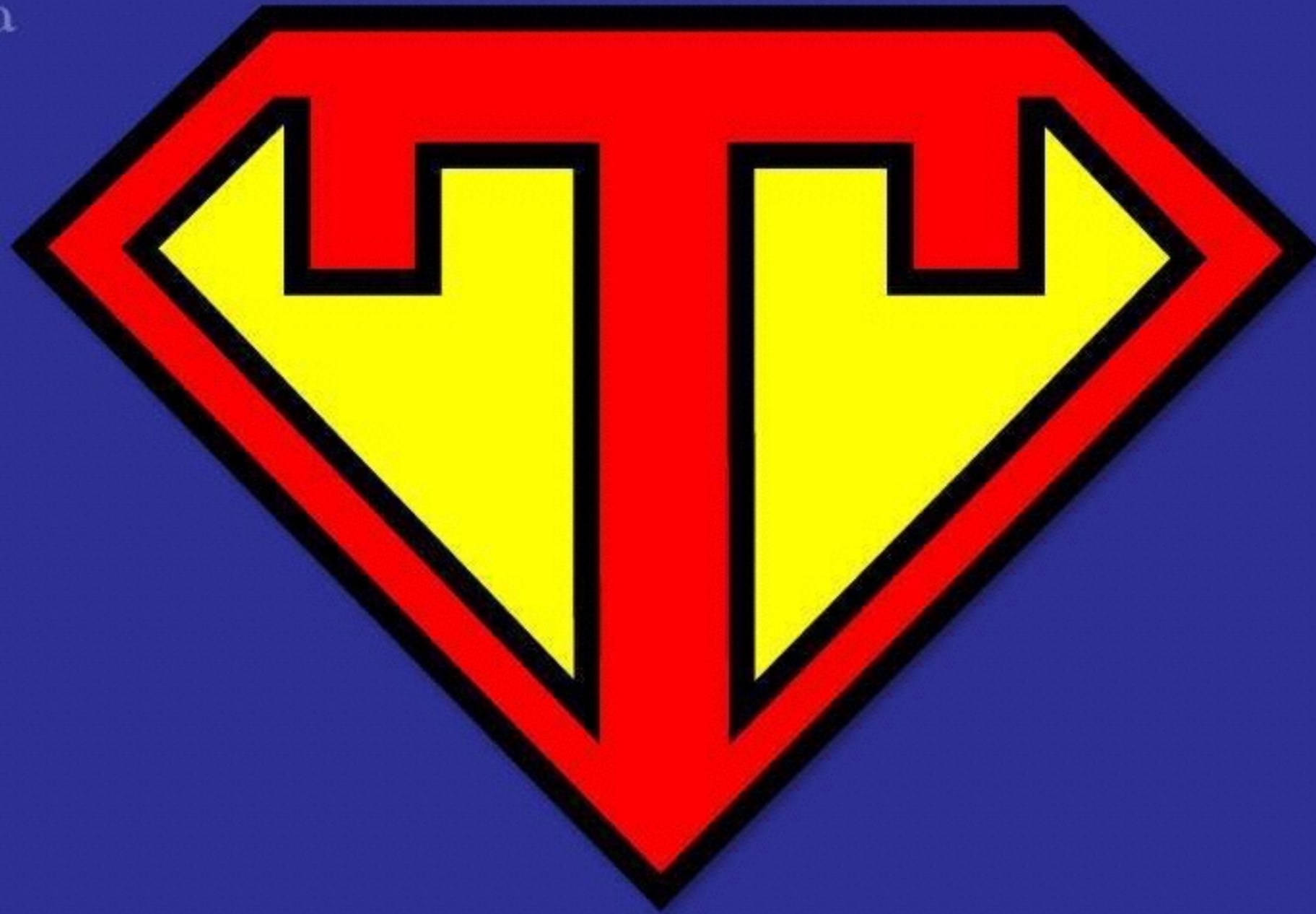


edutopia



I TEACH. **WHAT'S YOUR
SUPERPOWER?**

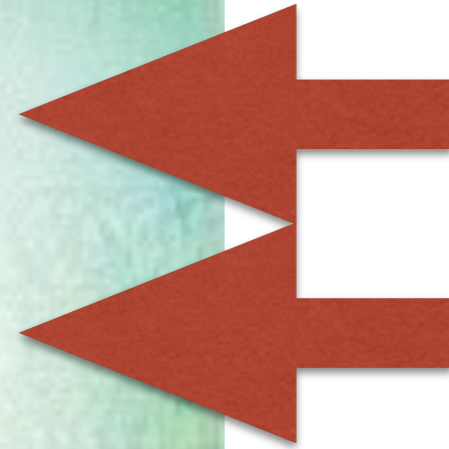
The following job description is from
neuroscientist Richard Varn of
Educational Testing Service,
Princeton, New Jersey

Job Description for a Teacher

- ✓ Teaching
- ✓ Assessment expert
- ✓ Diagnostic expert
- ✓ Curriculum designer
- ✓ Advisor
- ✓ Mentor
- ✓ Researcher/Writer
- ✓ Public servant
- ✓ Social worker
- ✓ Community and Parent Liaison
- ✓ Bureaucrat
- ✓ Policymaker
- ✓ Medical manager
- ✓ Content expert
- ✓ Technology integrator
- ✓ Disciplinarian
- ✓ Disability manager
- ✓ Secretary and data entry clerk
- ✓ And did I mention you have a life?

Copyrighted Material

The Art and Science of Teaching



A COMPREHENSIVE FRAMEWORK FOR EFFECTIVE INSTRUCTION

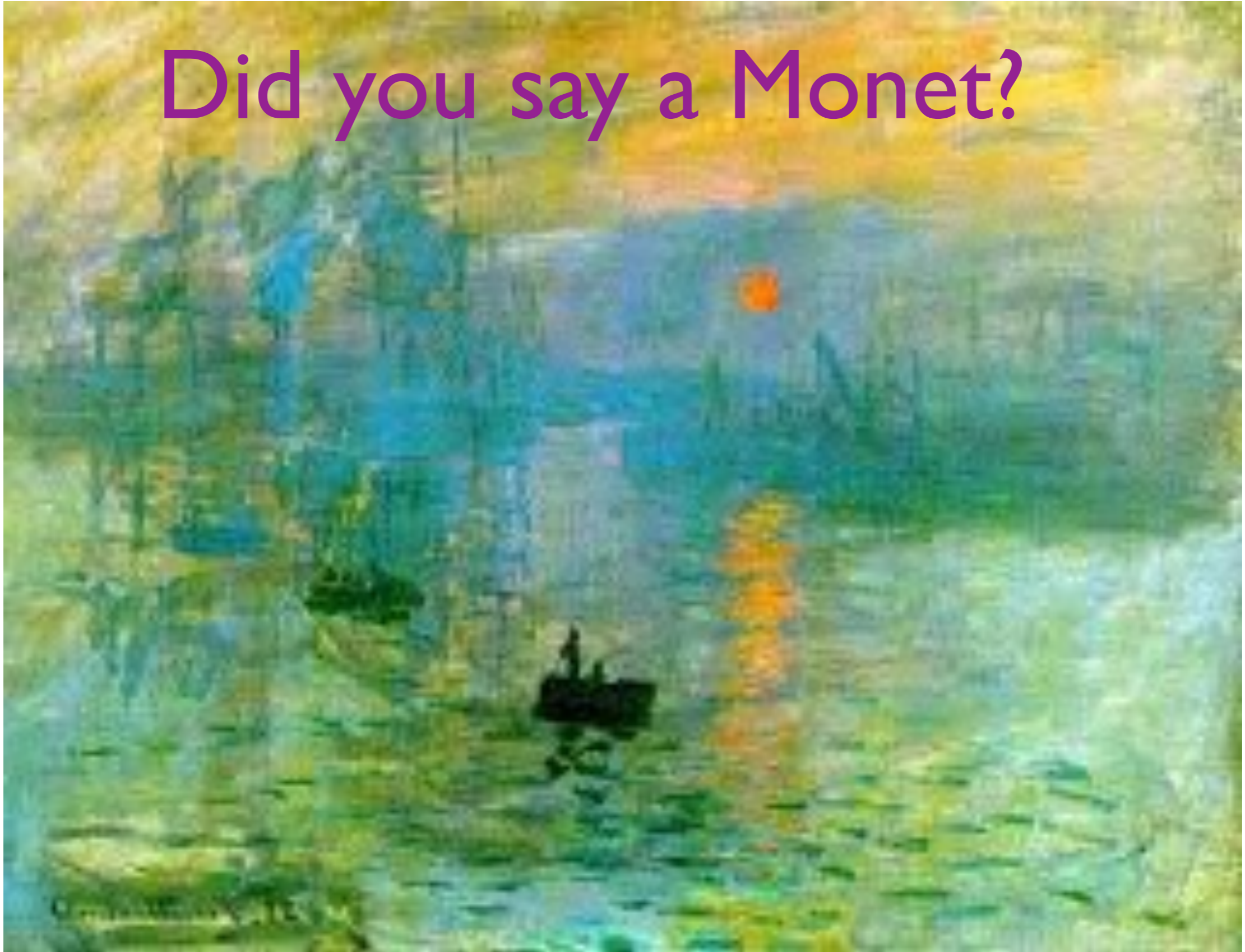
Robert J.
MARZANO

Copyrighted Material

What is this?



Did you say a Monet?



So, what makes an effective teacher?

Consider those in your past. Who was your favorite teacher and why?

Take a minute or two to reflect...

SHARREN

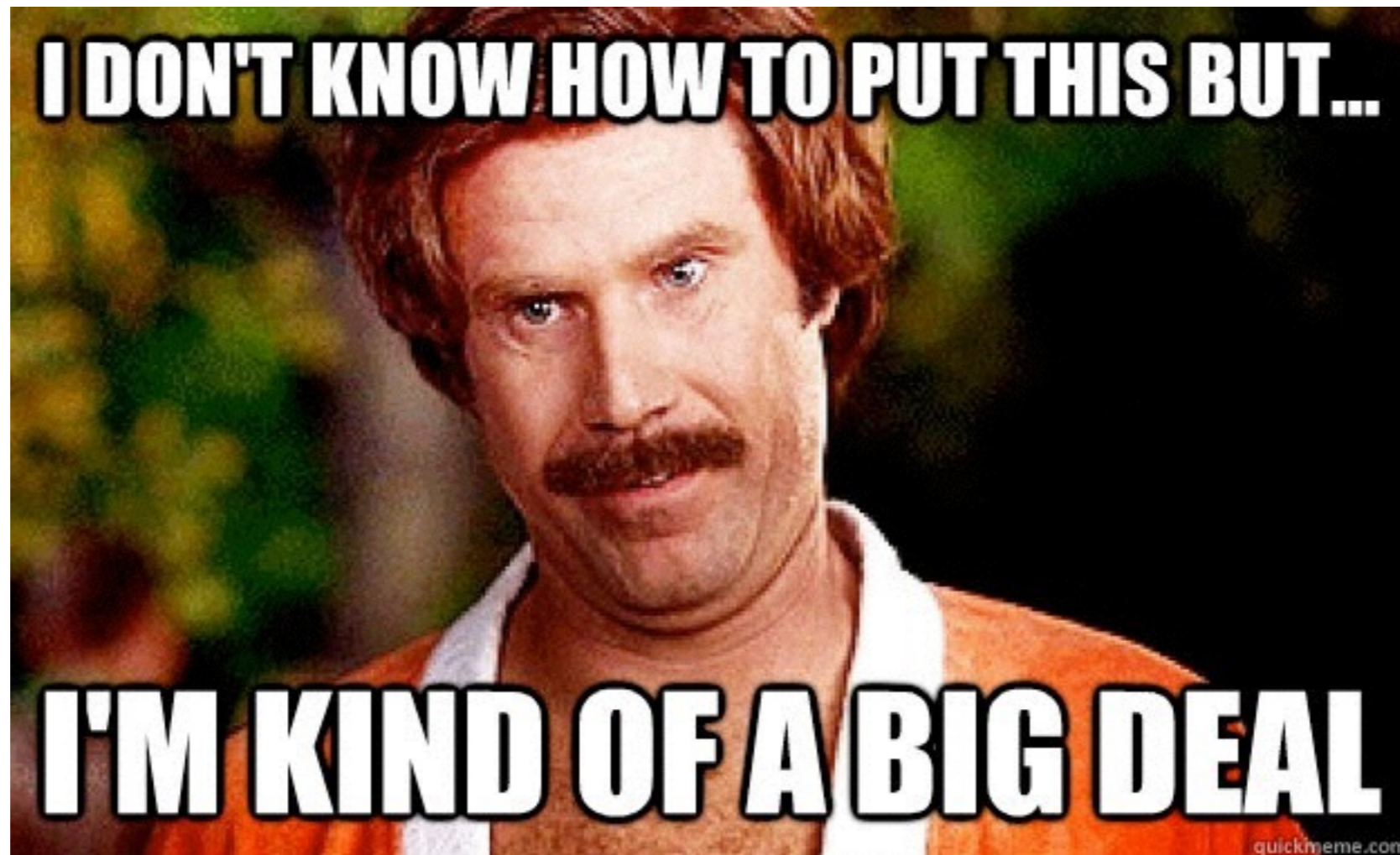
So, what characteristics made them your favorite?



Sarah Brown Wessling, uh, she's the one on the left!

She embarrassed me into the 21st century!

What characteristics do you suppose 54 state teachers of the year found to be the most important?







You may never know the impact you will have!



The Butterfly Effect

How the choices you make
affect millions!

ASHTON KUTCHER

AMY SMART

CHANGE ONE THING.

The Butterfly Effect

CHANGE EVERYTHING.

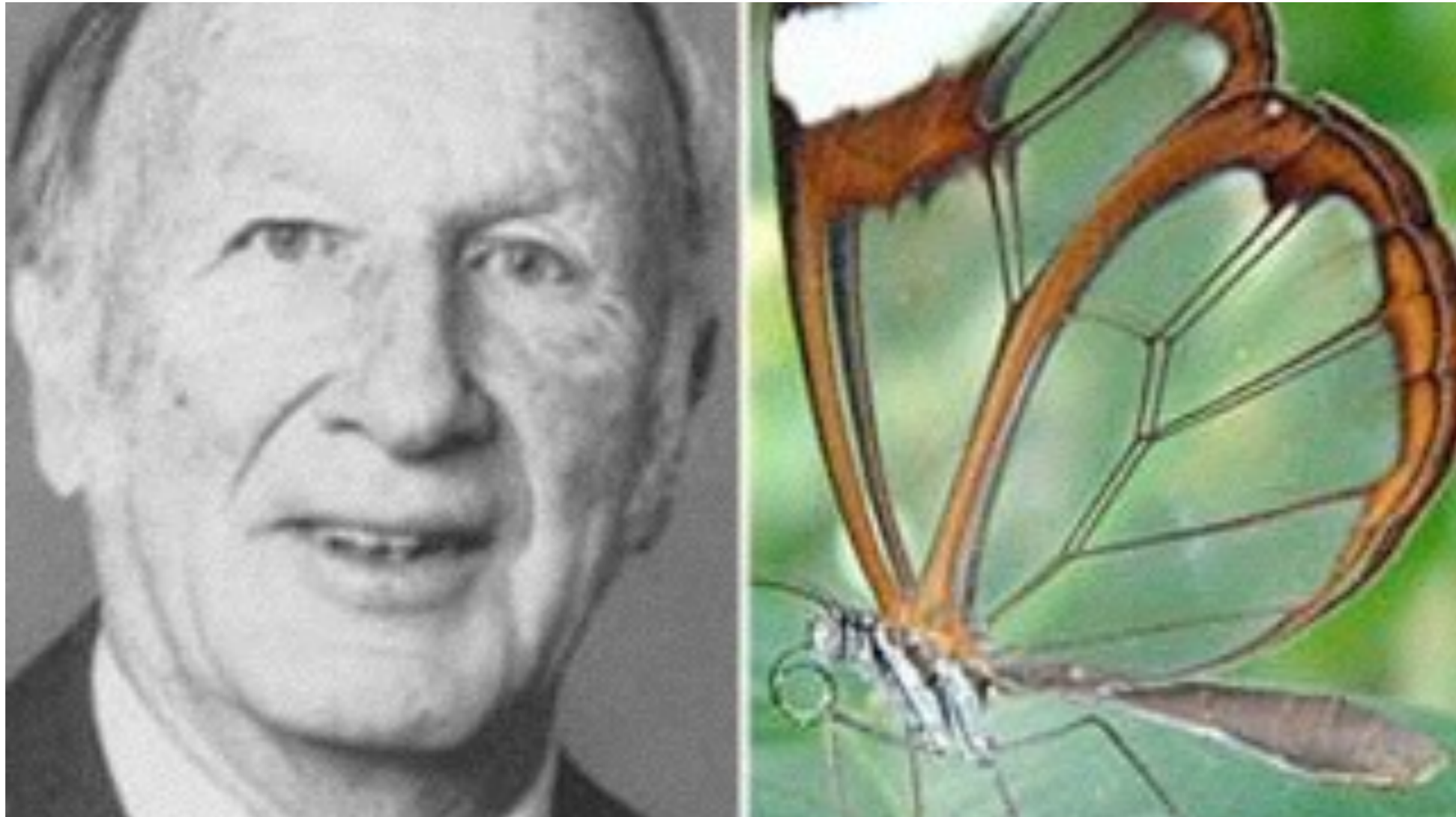
Vertical text on the left and right sides of the poster, including production credits and legal disclaimers.

Bottom section containing the website URL WWW.BUTTERFLYEFFECTMOVIE.COM, the R rating logo, and the "COMING SOON" text.

NOVEMBER 2004
COMING SOON
NOVEMBER 2004



I am not Ashton Kutcher!



Proposed in 1963

The Butterfly Effect that was dismissed as a fantasy at the science conference in 1963 has become known as the Law of Sensitive Dependence upon Initial Conditions.

Lorenz is now recognized as one of the developers of chaos theory!

Humans can be
butterflies too!





Consider this 34 year old Maine schoolteacher!





LEADERSHIP

It's not just telling people what to do....

Which flag would have flown?



Let me introduce you to a
contemporary human butterfly.



Ms. Lora Sypal
Executive Office Associate
Teacher of the Year Coordinator
Nebraska Department of Education



Nebraska TOYs become a family





1 Dream, 2 Acres and 11 Kenyan Women



Raised: \$10,000.00

Goal: \$10,000.00



Created by
David Bernard-Stevens

1445 Friends

Contact

Embed

VOLUNTEER LINCOLN, NE

When I was in Kenya, I met 11 amazing women in the rural area. Each had virtually nothing, had been abused and were left with many children to raise with little education, skills or i... [more](#)

gofundme.com/4xjpdo

Share



DONATE!



And, the TOY story continues!

It will help when we realize...

“There will never be enough!”

- there will never be enough time
- there will never be enough resources
- there will never be enough “you”
- you will never be smart enough
- you won't have enough energy(I added the last two!)

“The Hard Part” by Peter Greene
Huffington Post



**KEEP
CALM
its only
ONE
DAY**

If you had only a single day, what would you teach?





Two hundred experienced teachers responded to that query on Edutopia. Here's what they thought.

Critical-Thinking

Respect

Empathy Perseverance
Love

Politeness Life-Skills
Creativity Humbleness Discovery Exploration
Confidence Physics Happiness Justice Listening
Communication Diversity Motivation Courtesy
Diligence Biology Open-Mindedness Languages
Destiny Playfulness Astronomy Adversity Purpose
Resilience Listening-Skills Dreaming Gratefulness
Openness Goodness

Poetry Fun Kindness Music
History Art

Character Play Fairness Economics Gratitude Empowerment
Gardening Integrity Merriment Joy Thinking Dance
Manner Meditation Ethics Modesty Science Passion
Beauty Service English Reading Humility Imagination
Geography Caring Curiosity Hope Paleontology
Patience Parenting Positivity Etiquette Citizenship
Harmony Forgiveness Generosity Peace Literature
Mindfulness Math philosophy Manners Self-Esteem
Shakespeare
Appreciation Tolerance Enjoyment
Questioning Responsibility Architecture
Truthfulness Social-Skills Common-Sense
Acceptance Determination
Growth-Mindset

Compassion

Problem-Solving

The 4 “C”s of 21st Century Education

-communication

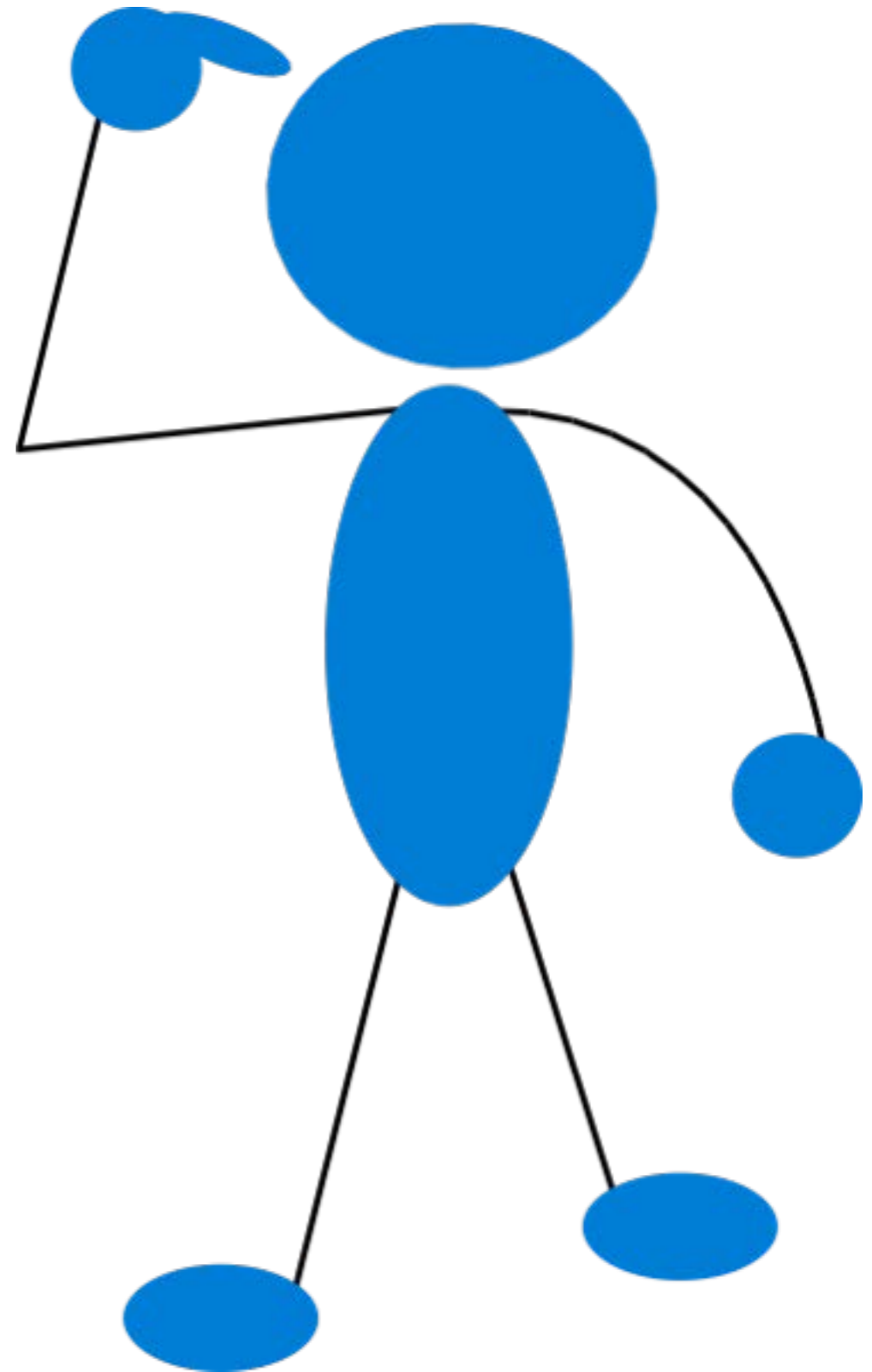
-collaboration

-creativity

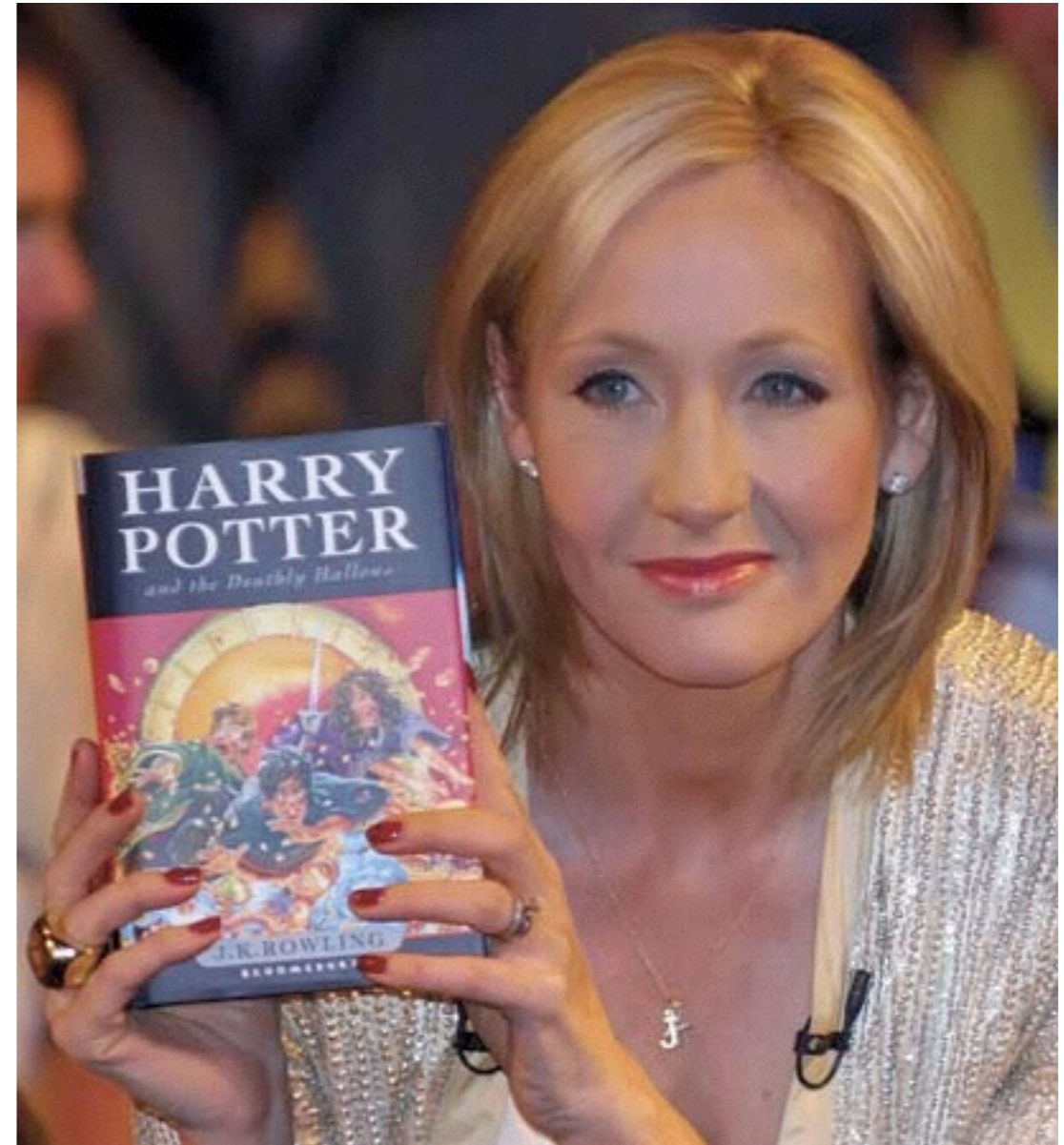
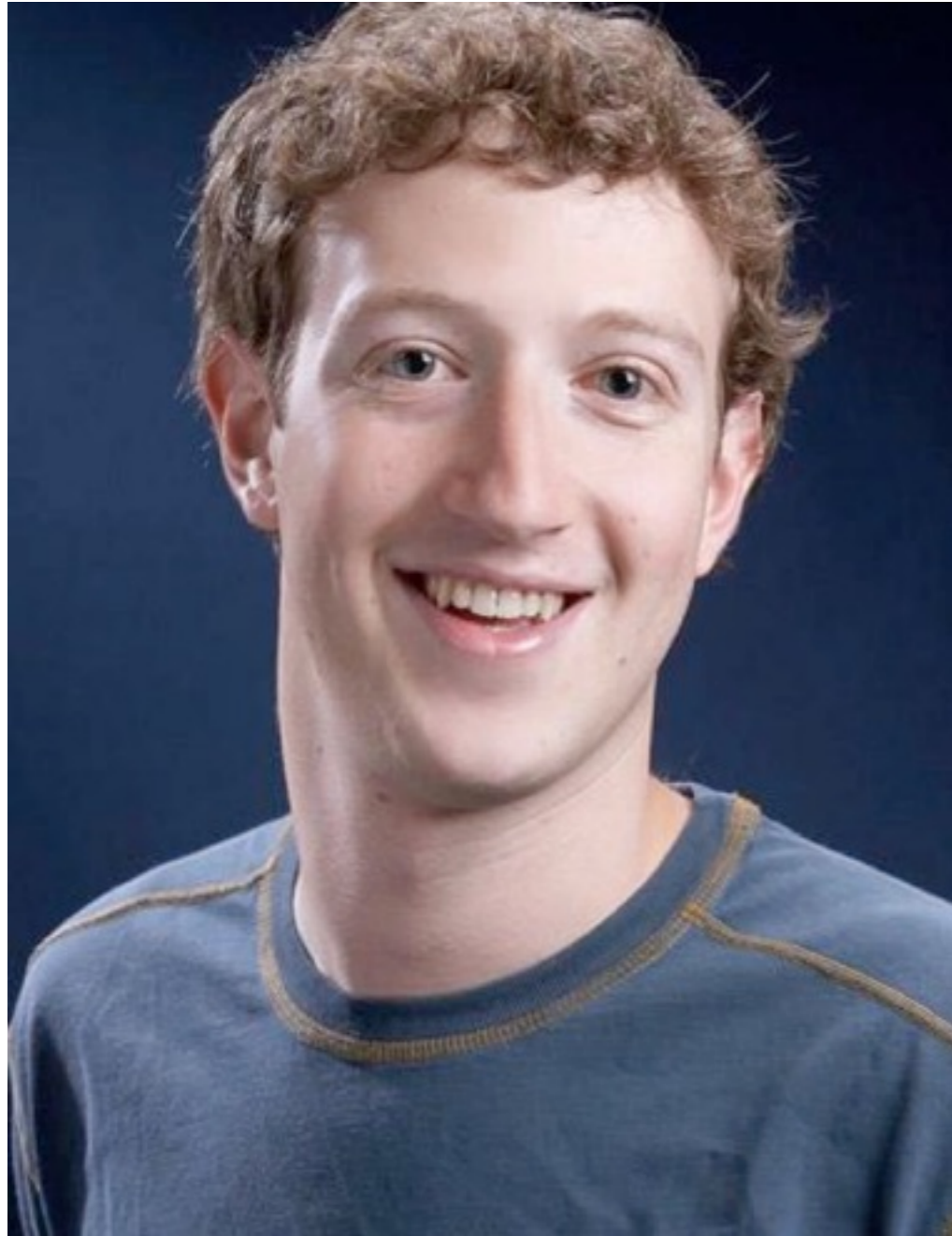
-creative thinking

Working smart helps!

But...has anyone ever taught you
how to be smart?



Do you think these people qualify?

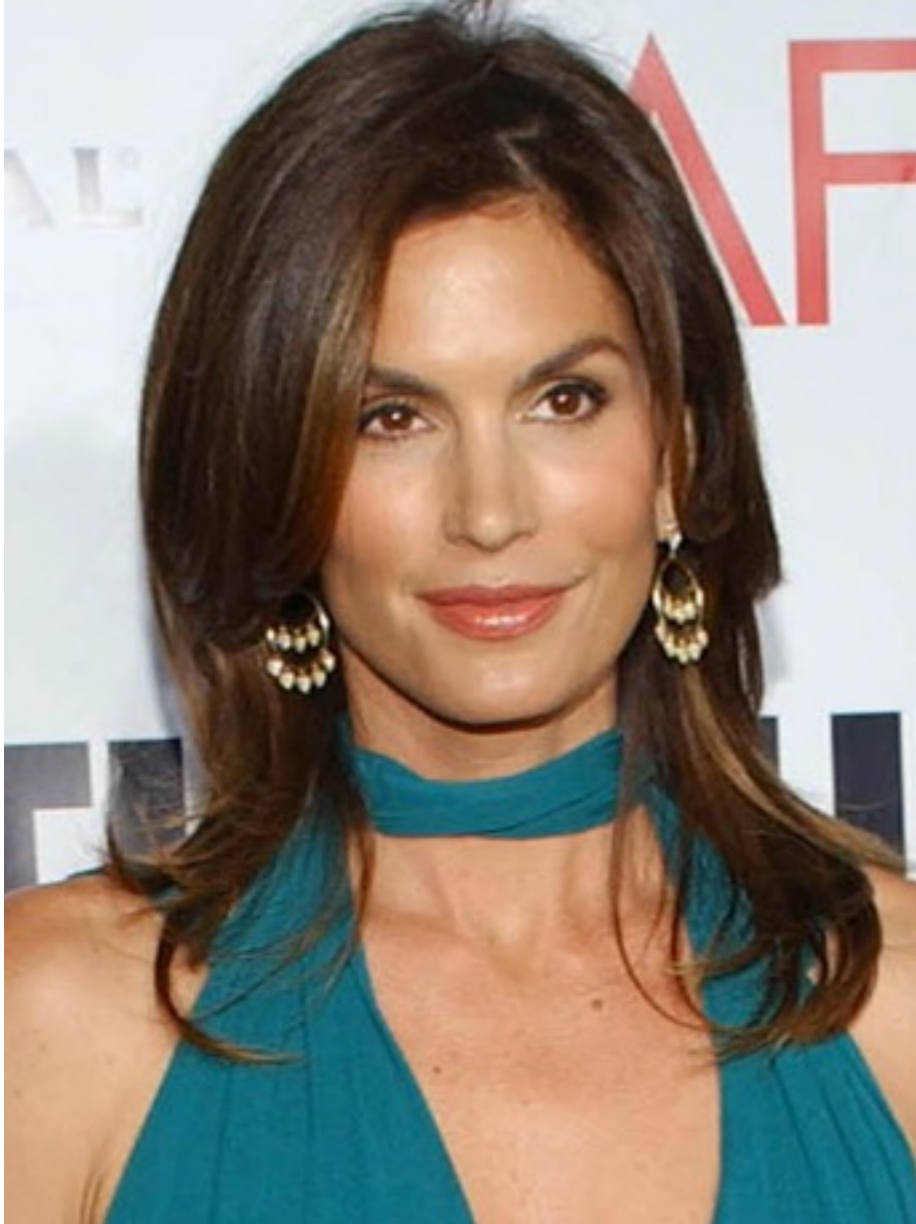


How 'bout these?



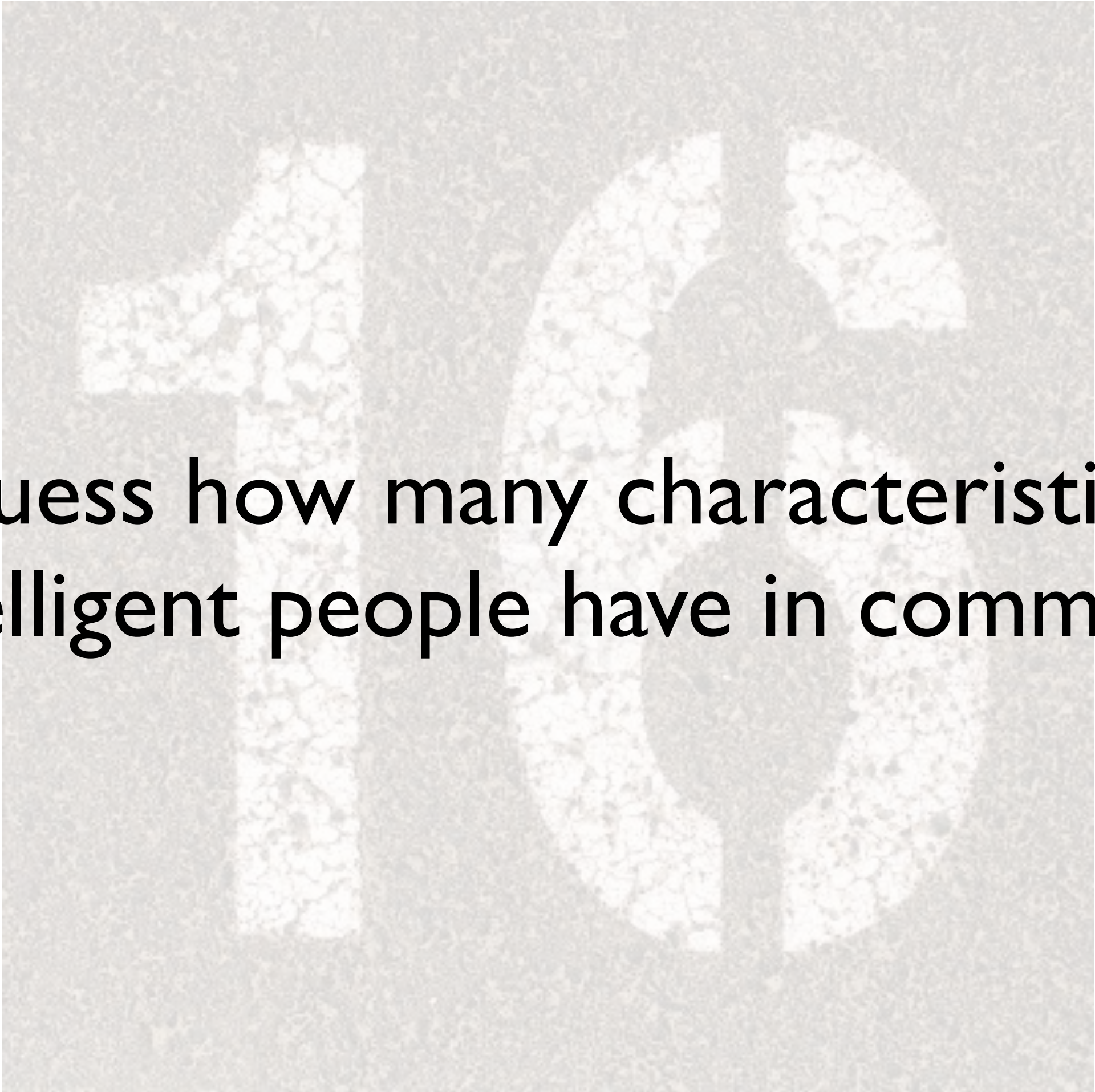
These two?

Chemical
engineering major
but quit to model!



I.Q. of 165





**Guess how many characteristics
intelligent people have in common?**

Make the check out to: Bob Feurer

Send to: 1140 Locust
North Bend 68649

Did you really think I'd give it away for free?



Managing impulsivity Persisting
Questioning and posing problems Thinking about thinking
Gathering data through all senses Remaining open to continuous learning
Thinking interdependently Thinking flexibly Listening with understanding and empathy
Thinking and communicating with clarity and precision Applying past knowledge to new situations
16 Habits of Mind Responding with wonderment and awe
Creating imagining innovating
Finding humour
Striving for accuracy Taking responsible risks

(You don't have to write them down! You can find them online!)

QUIZ

What makes people intelligent?

Is it?

- Thinking flexibly?
- Persisting?
- Finding humor?
- Thinking interdependently?



Question #2

- Thinking about your thinking?
- Listening with understanding and empathy?
- Applying past knowledge?
- Managing impulsivity?



If you must write something down, write this:

“One hears with their ears
but listens with the heart!”

Question #3



- Persistence?
- Remaining open to continuous learning?
- Striving for accuracy?
- Thinking interdependently?



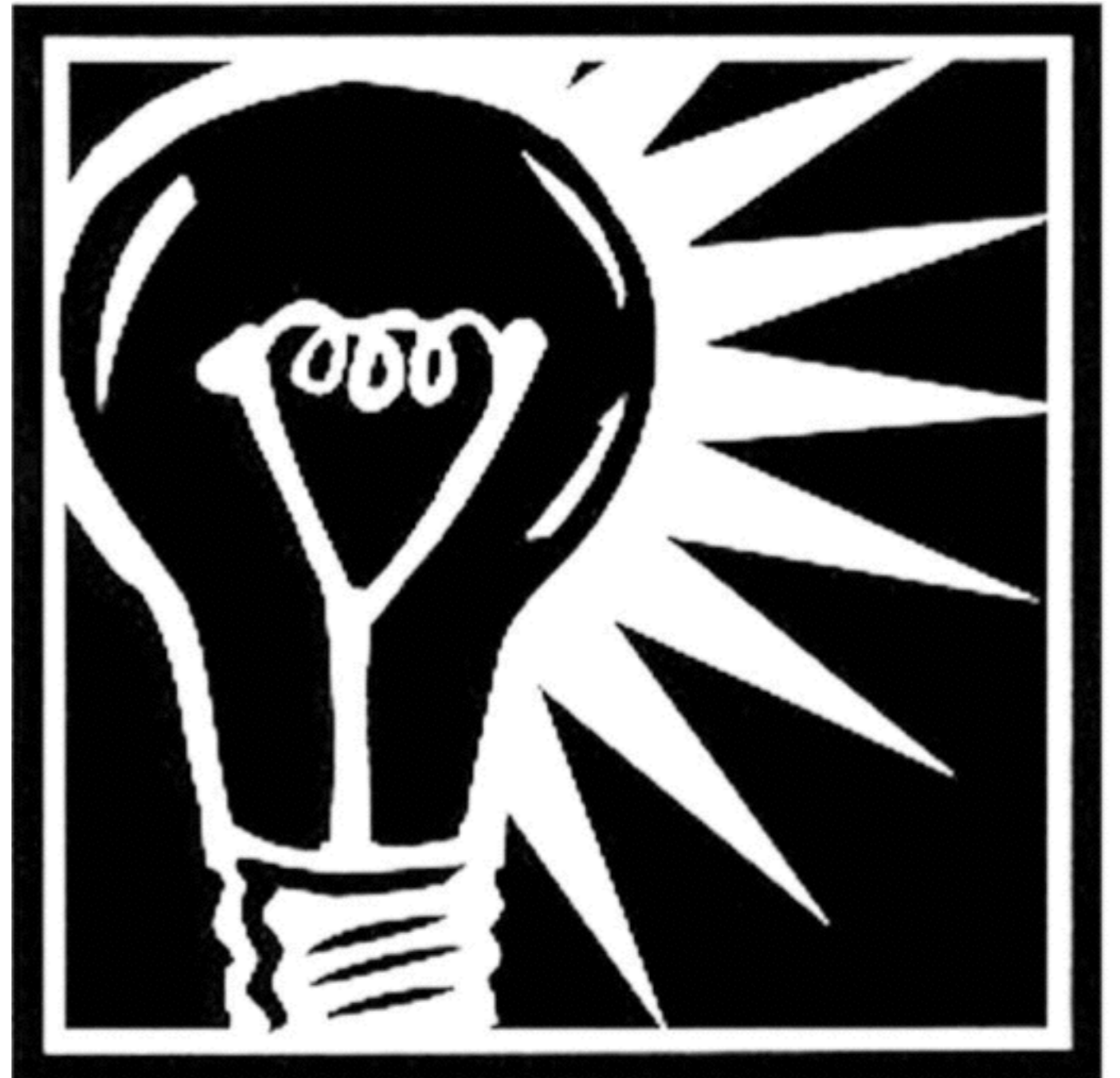
Which will win this battle, the rock or the water? Why?



“In the confrontation between the river and the rock. The river always wins. Not through strength but by perseverance.”

Question #4

- Managing Impulsivity?
- Remaining open to continuous learning?
- Gathering data through all your senses?
- Creating, imagining, innovating?



Well, you get the idea!

- Gather data with all your senses
- Respond with wonderment and awe
- Finding humor
- Remaining open to continuous learning
- Persisting
- Listening with empathy and understanding
- Thinking about your thinking
- Questioning and problem solving
- Thinking and communicating with clarity and precision
- Creating, imagining and innovating
- Taking responsible risks
- Thinking interdependently
- Managing Impulsivity
- Thinking flexibly
- Striving for accuracy and precision
- Applying past knowledge to new situations

I'm going to give you the list again and ask you to collaborate in groups of three or four and determine what you believe to be the most important of the 16.

Ready? Go!

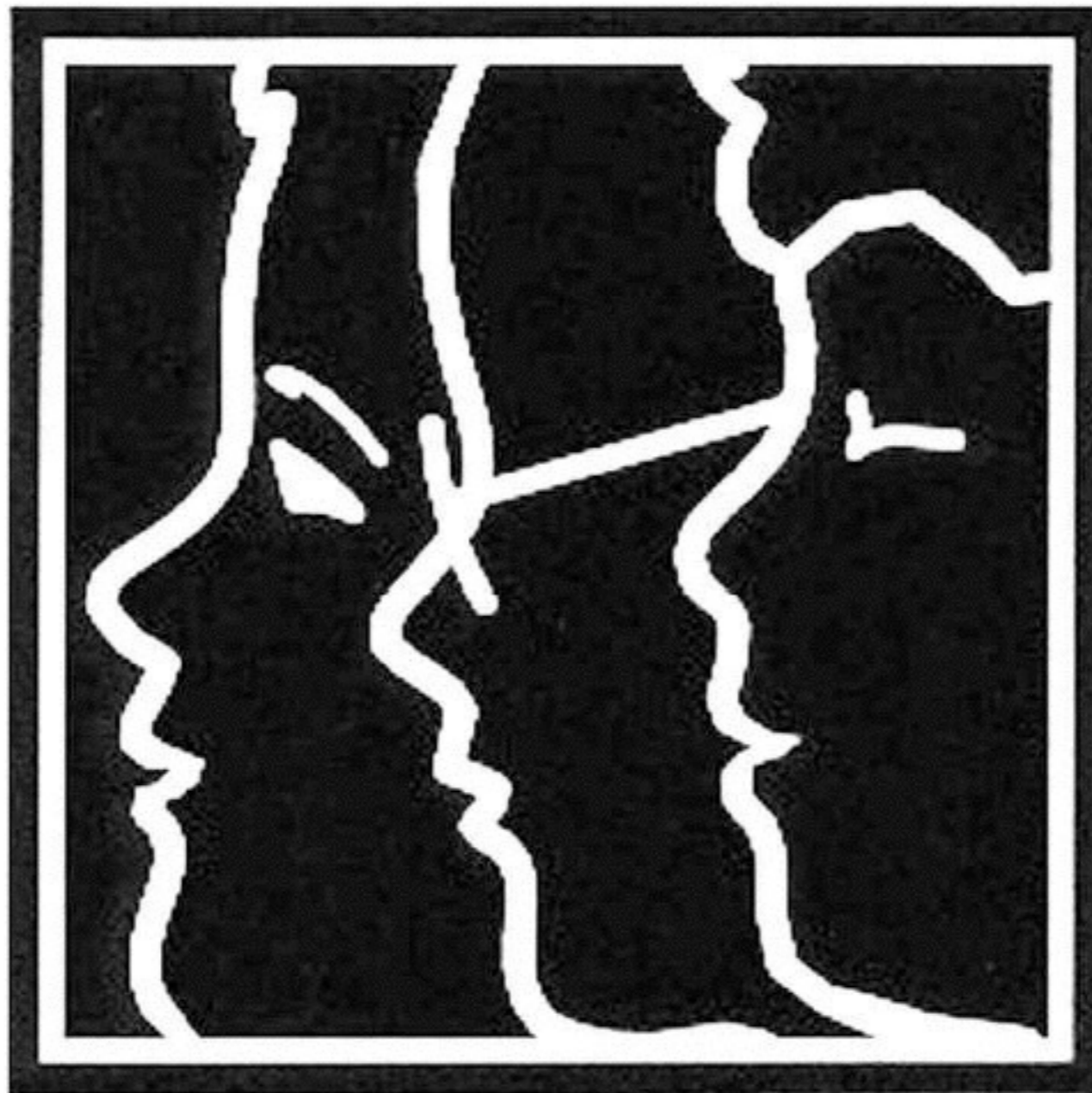
So, which one is the most important to success?

- Gather data with all your senses
- Respond with wonderment and awe
- Finding humor
- Remaining open to continuous learning
- Persisting
- Listening with empathy and understanding
- Thinking about your thinking
- Questioning and problem solving
- Thinking and communicating with clarity and precision
- Creating, imagining and innovating
- Taking responsible risks
- Thinking interdependently
- Managing Impulsivity
- Thinking flexibly
- Striving for accuracy and precision
- Applying past knowledge to new situations

Just checking!

- Which of the 16 habits of mind did you just participate in?

If you said “thinking interdependently”, you are right!



Marzano's research indicates a 23 point
percentile gain!

But cooperation and collaboration are not the same
things!

$$1 + 1 = 3$$

$$1 + 1 = 2$$

$$1 + 1 = 1$$

$$1 + 1 = 0$$

ANY VOLUNTEERS
WANT TO SHARE?

Which HOM is most important and why?

So, which one is the most important to success?

- Gather data with all your senses
- Respond with wonderment and awe
- Finding humor
- Remaining open to continuous learning
- Persisting
- Listening with empathy and understanding
- Thinking about your thinking
- Questioning and problem solving
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- Creating, imagining and innovating
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- Thinking interdependently
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- Thinking flexibly
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So, which one is the most important to success?

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- Thinking about your thinking
- Questioning and problem solving
- Thinking and communicating with clarity and precision
- Creating, imagining and innovating
- Taking responsible risks
- Thinking interdependently
- **Managing Impulsivity**
- Thinking flexibly
- Striving for accuracy and precision
- Applying past knowledge to new situations

It's this one!

- “executive function”
- “impulse control”
- “not jumping to conclusions”
- “not flying off the handle”
- “think before you act”
- “look before you leap”
- “road rage”
- It's this one!

Managing impulsivity!



Executive function is a greater indicator of success than intelligence quotient!

One of the great myths of our current day that we can multitask!

The brain can only handle one attention-demanding task at a time!

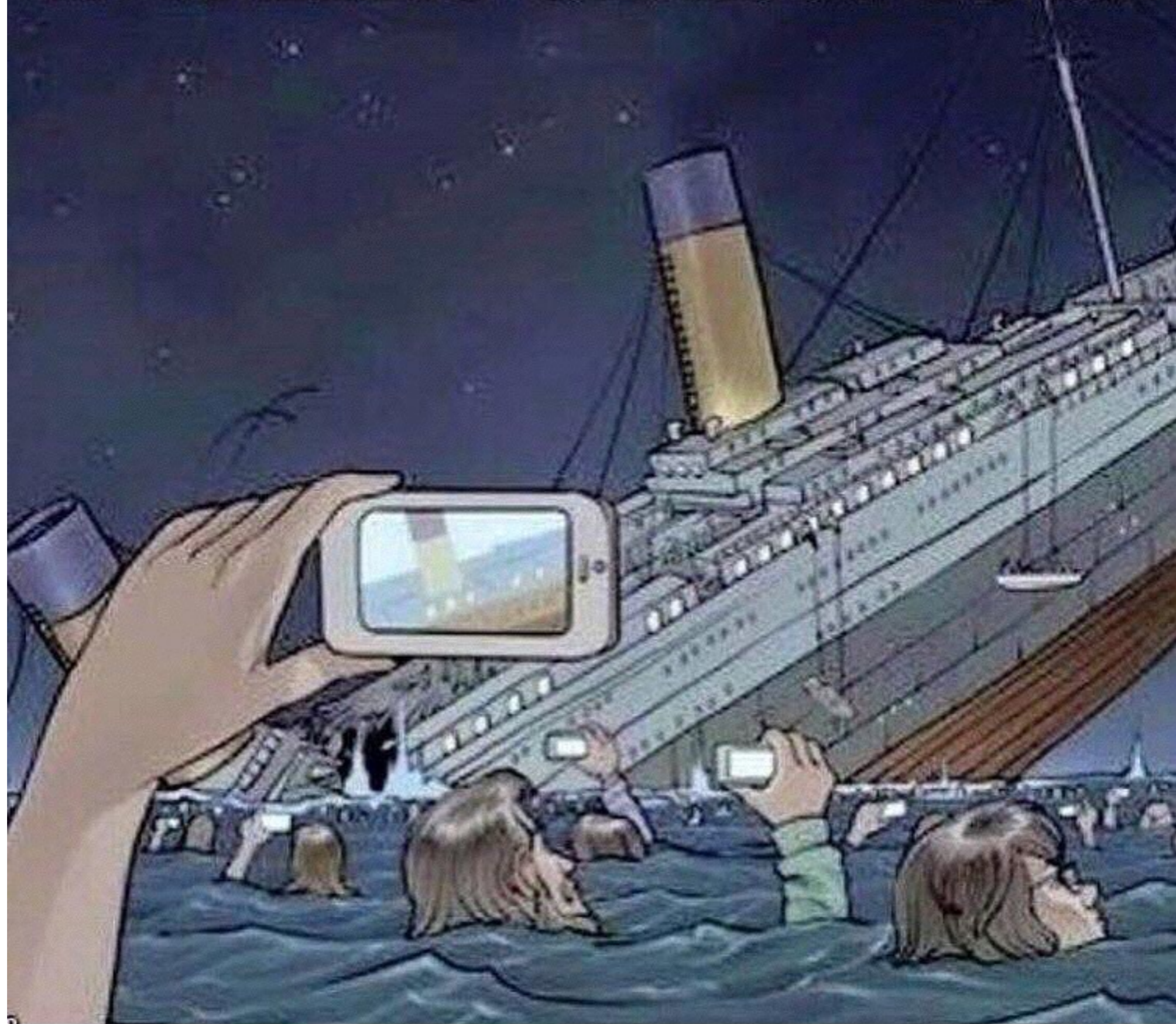
One of the great myths of our current day that we can multitask!

The brain can only handle one **attention-demanding** task at a time!

ACTUALLY, YOU HAD A
PRETTY GREAT LIFE, BUT
YOU WERE LOOKING DOWN
AT YOUR PHONE AND YOU
MISSED IT!



IF TITANIC SANK IN 2015



NEW YORK TIMES BESTSELLER

“Words leap off the page.”
— USA Today

brain rules

12 Principles for Surviving and Thriving
at Work, Home, and School

J O H N M E D I N A



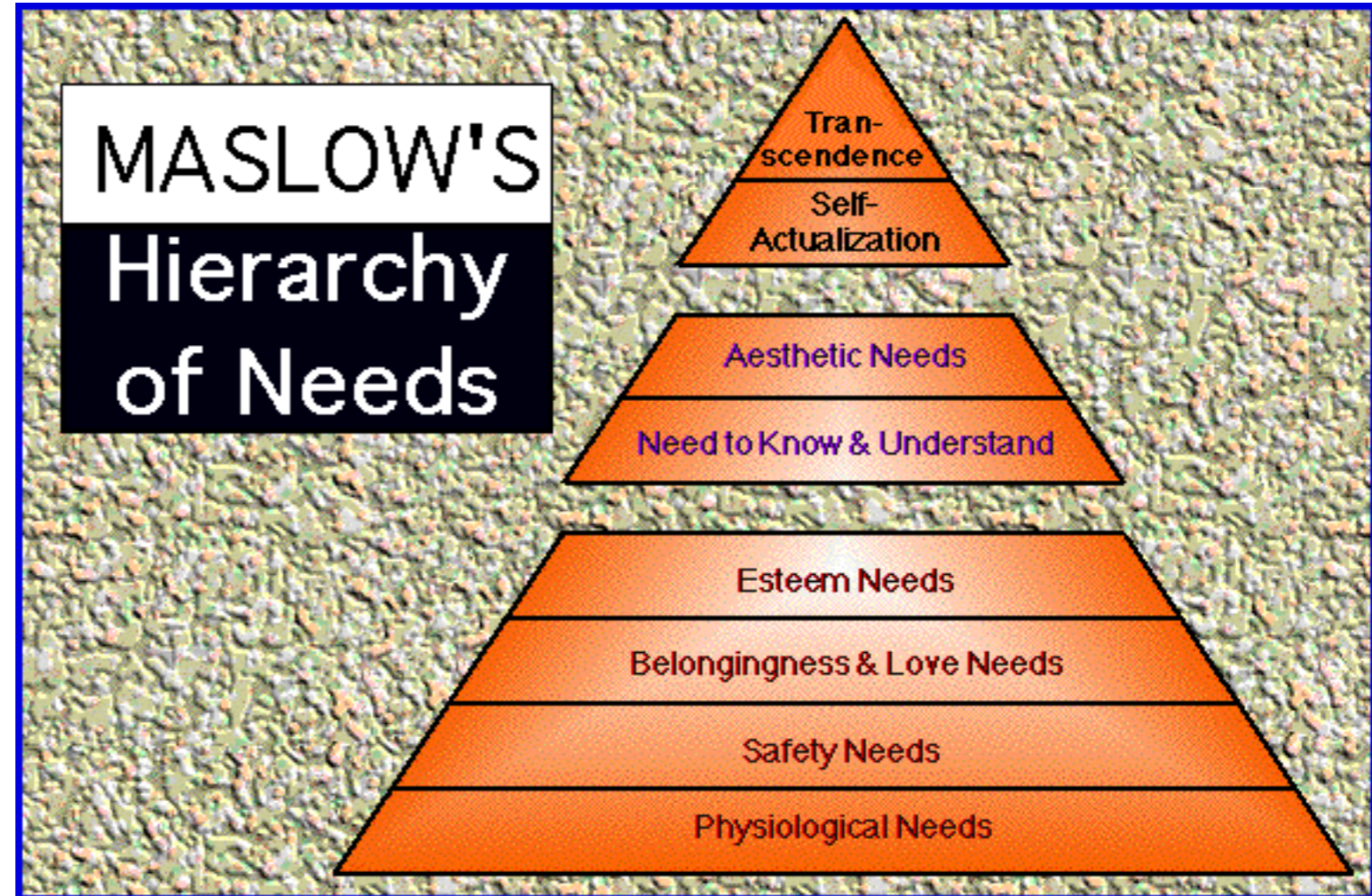
Includes link to *Brain Rules* film

“Studies show that a person who is interrupted takes 50% longer to accomplish the task. Not only that, he or she makes up to 50% more errors!

John Medina

Fifty percent of visual cues caught by attentive drivers are missed by cell phone users!

How can you possibly explain the success of social media platforms like Facebook, Twitter, Instagram, Snapchat and others?



Functional MRIs tell us “belonging” is like air, water and food!

Our Work

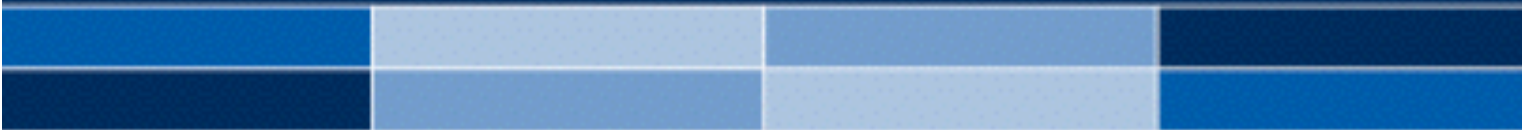
The Duckworth Lab focuses on two traits that predict success in life: grit and self-control. Grit is the tendency to sustain interest in, and effort toward, very long-term goals. Self-control is the voluntary regulation of behavioral, emotional, and attentional impulses in the presence of momentarily gratifying temptations or diversions.





GRIT

The ability to persevere towards long-term goals despite obstacles.



Promoting Grit, Tenacity, and Perseverance:
Critical Factors for Success in the 21st Century

February 2013

DRAFT

U.S. Department of Education
Office of Educational Technology



How can we integrate this knowledge into
our teaching?

Teaching Persistence

- Multiple class period assignments, week, month, quarter or semester long.
- Homework and practice(28 percentile gain according to Marzano) **Explain to kids this is their “skin in the game”. Tell them why!**
- Use stories to illustrate the point: Abe Lincoln, Milton Hershey, J.K. Rowling, Edison, Colonel Sanders...these abound, pick one the fits your situation

NEW YORK TIMES BESTSELLER

["Words leap off the page."
— USA Today]

brain rules

12 Principles for Surviving and Thriving
at Work, Home, and School

J O H N M E D I N A

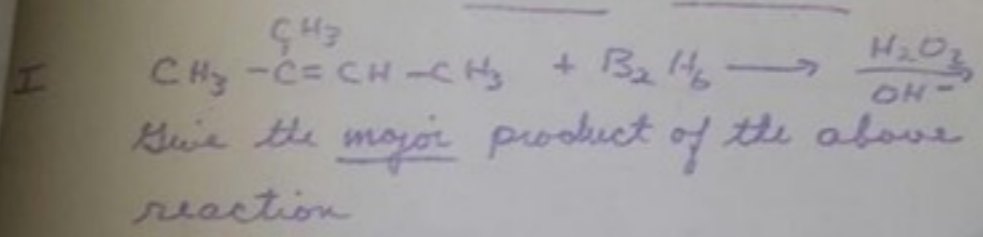


Includes link to *Brain Rules* film

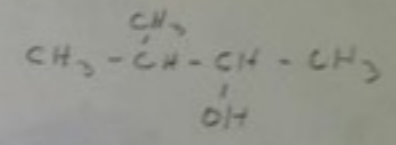
Brain Rule #4: Attention:
We don't pay attention to
boring things!

Bob

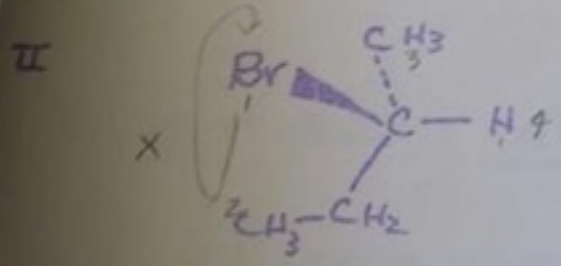
EXTRA Credit



Bob
(Turn in even if you don't answer)



+3



Does the molecule to the left have an R or S configuration? Explain how you arrived at your answer. No credit will be given

for the correct answer unless accompanied by an explanation according to at. must give the atoms or show a priority list. No credit will be given unless accompanied with the explanation

Dr. Kaufman wasn't boring!





Find, create/develop multimodal lessons.



“Gathering data with all the senses.”

“The illiterate of the 21st century are not those who cannot read and write; but those who cannot learn, unlearn and relearn.”

Alvin Toffler



Learning and Leading with
Habits of Mind

16 Essential Characteristics for Success



Edited by

Arthur L. Costa and Bena Kallick



Habits of Mind

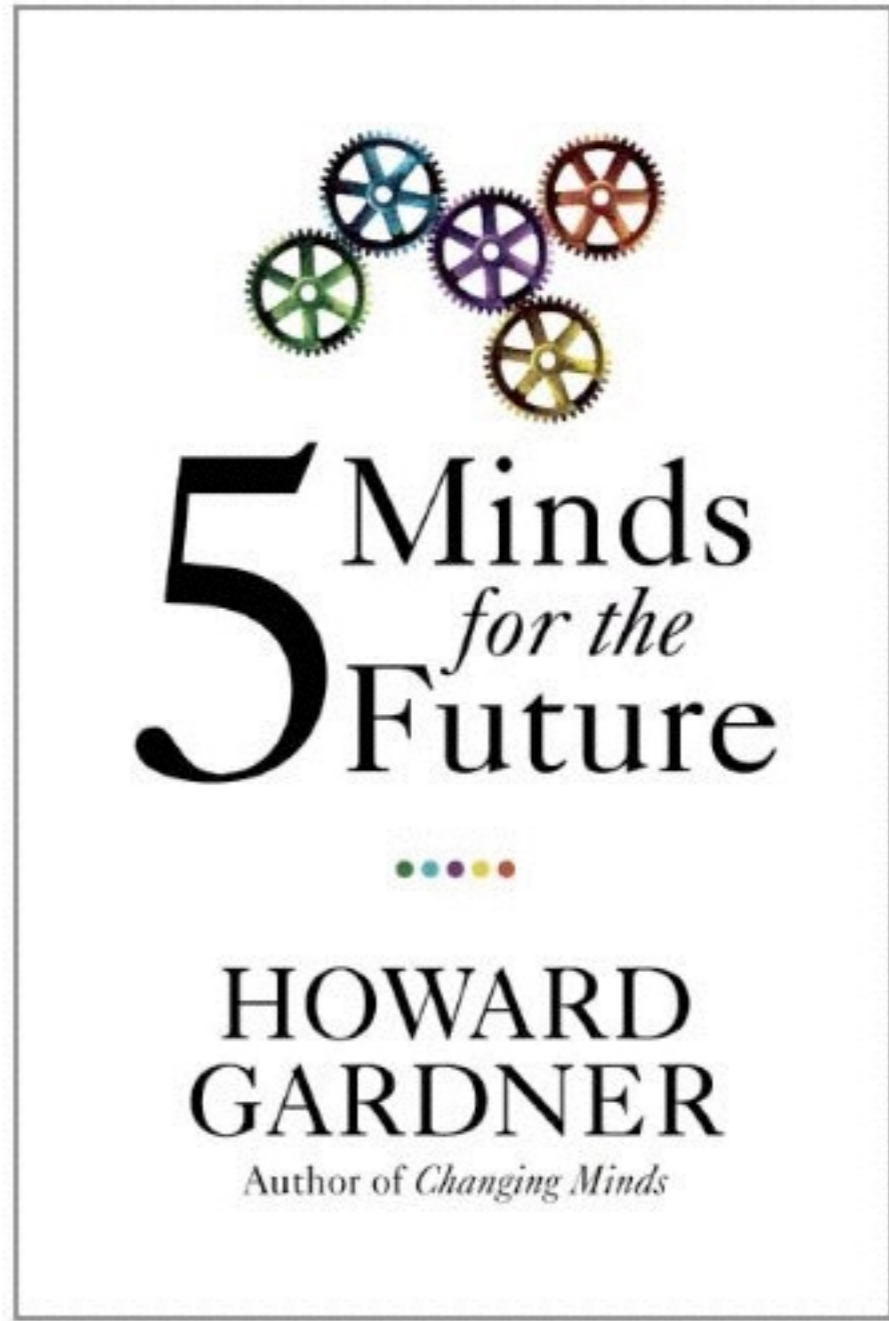
Across the Curriculum

Practical and Creative
Strategies
for Teachers

Edited by

Arthur L. Costa and Bena Kallick

“I was doing some research for a Common Core project and saw this book lying on a desk in a photo taken in a school in Singapore.”



Gardener's "five"

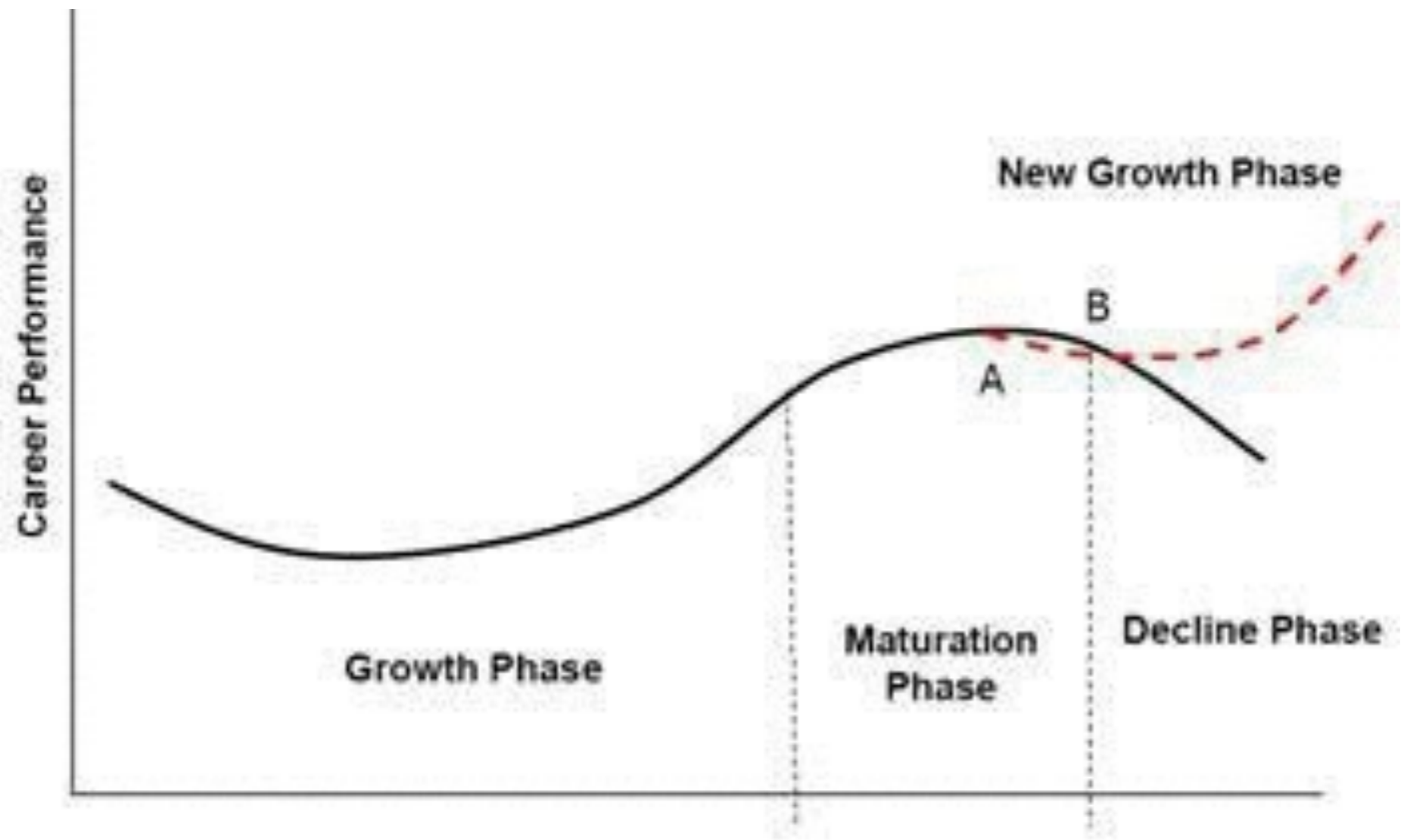
- A disciplined mind.
- A creative mind.
- A synthesizing mind.
- A respectful mind.
- An ethical mind.

Hmmm, any of
these look familiar?

Gardener and HOM!

- A disciplined mind.
- A creative mind.
- A synthesizing mind.
- A respectful mind.
- An ethical mind.
- Manage impulsivity!
- Create, innovate, imagine
- Think flexibly.
- Listening with empathy and understanding.
- Well,okay I got nothin'!

Growth takes time!





“It takes ten years or
10,000 hours to
become an expert.”
A. Ericsson

"Leadership is a choice; it is not a rank."

DEFINITION: Leadership is a process of social influence, which maximizes the efforts of others, towards the achievement of a goal.

Notice key elements of this definition:

- Leadership stems from social influence, not authority or power
 - Leadership requires others, and that implies they don't need to be "direct reports"
 - No mention of personality traits, attributes, or even a title; there are many styles, many paths, to effective leadership
- It includes a goal, not influence with no intended outcome

The Characteristics of a Good Leader

Social awareness

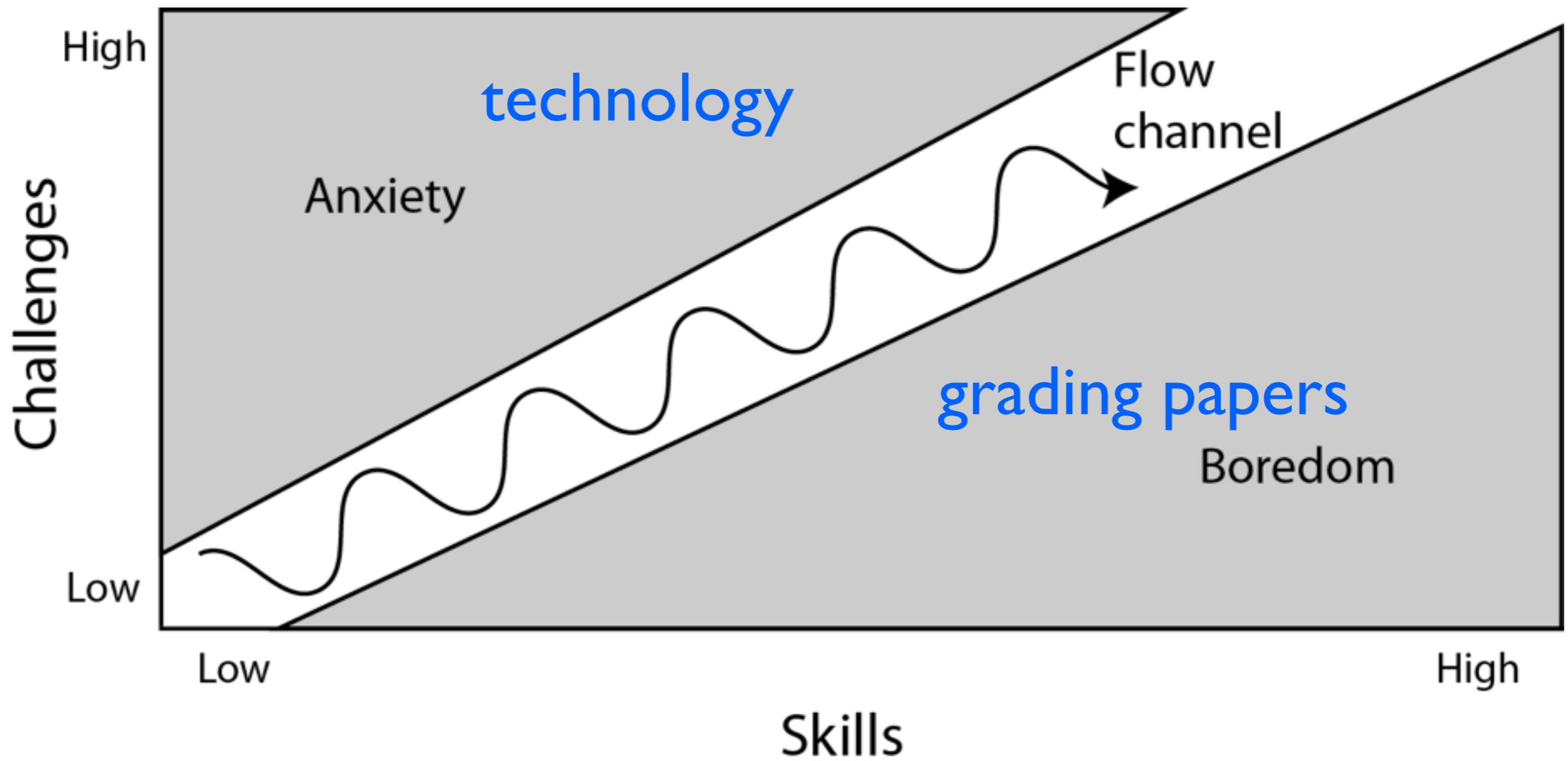
Self-awareness

Vision

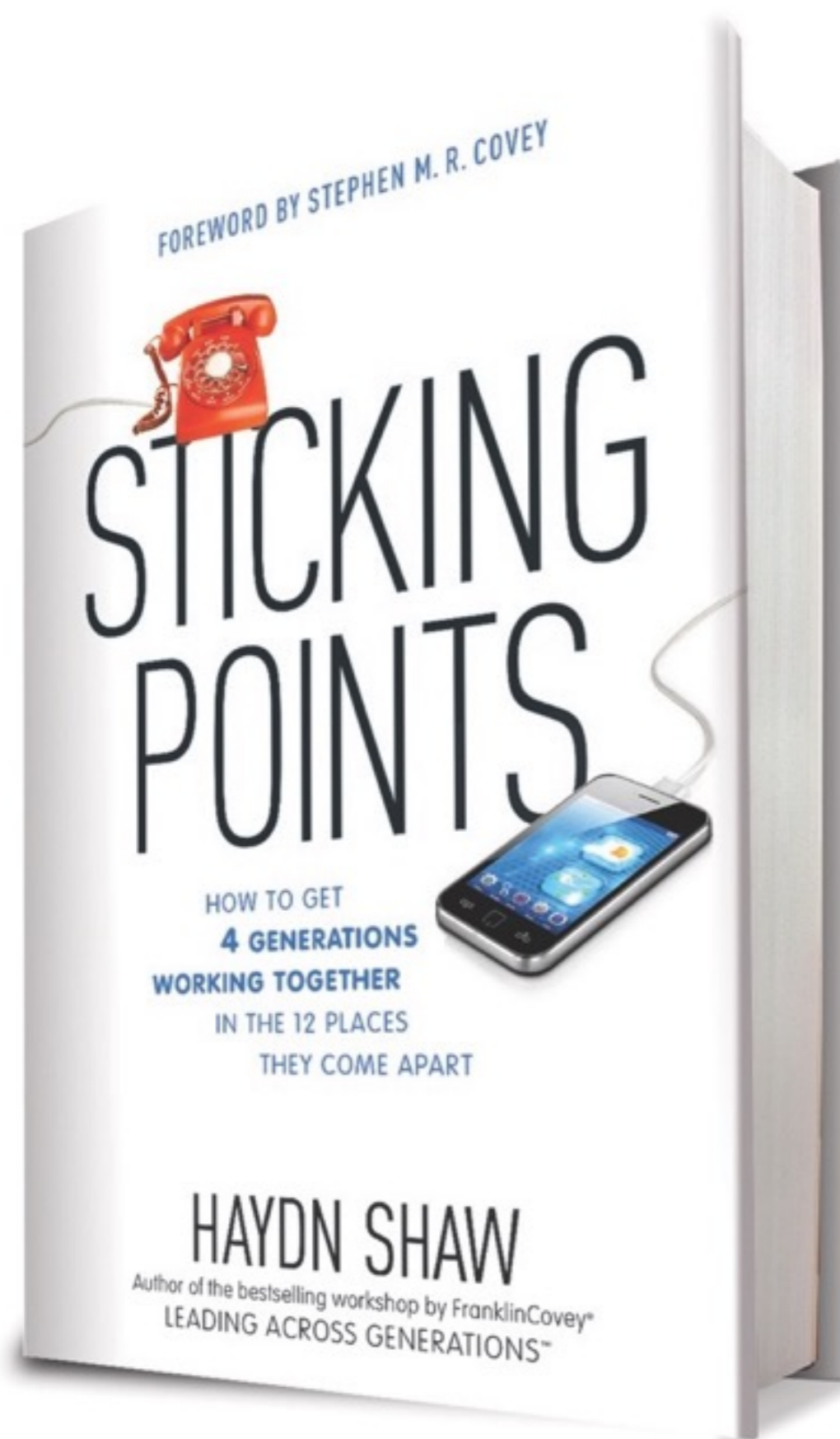
Self-direction

Ability to
motivate others

Self-Awareness. You have an intimate knowledge of your inner emotional state. You know your strengths and your weaknesses. You know when you're working in **flow** and you know when you're over worked. You know yourself, including your capabilities and your limitations, which allows you to push yourself to your maximum potential.



[Mihaly Csikszentmihalyi](#)



Who are you?
- Traditionalist
- Boomer
- Gen Xer
- Millennial

Knowing who
you are helps
you know who
they are so
you can all
work together!

Self Direction

★ You're able to direct yourself effectively and powerfully. You know how to get things done, how to organize tasks and how to avoid procrastination. You know how to generate energy for projects, to calm yourself when angered. You can make decisions quickly when necessary, but can also slow to consider all the options on the table.



When your SON asks you
why he has to study

Show him this picture



When your DAUGHTER
asks you why she has to study

Also show her this picture



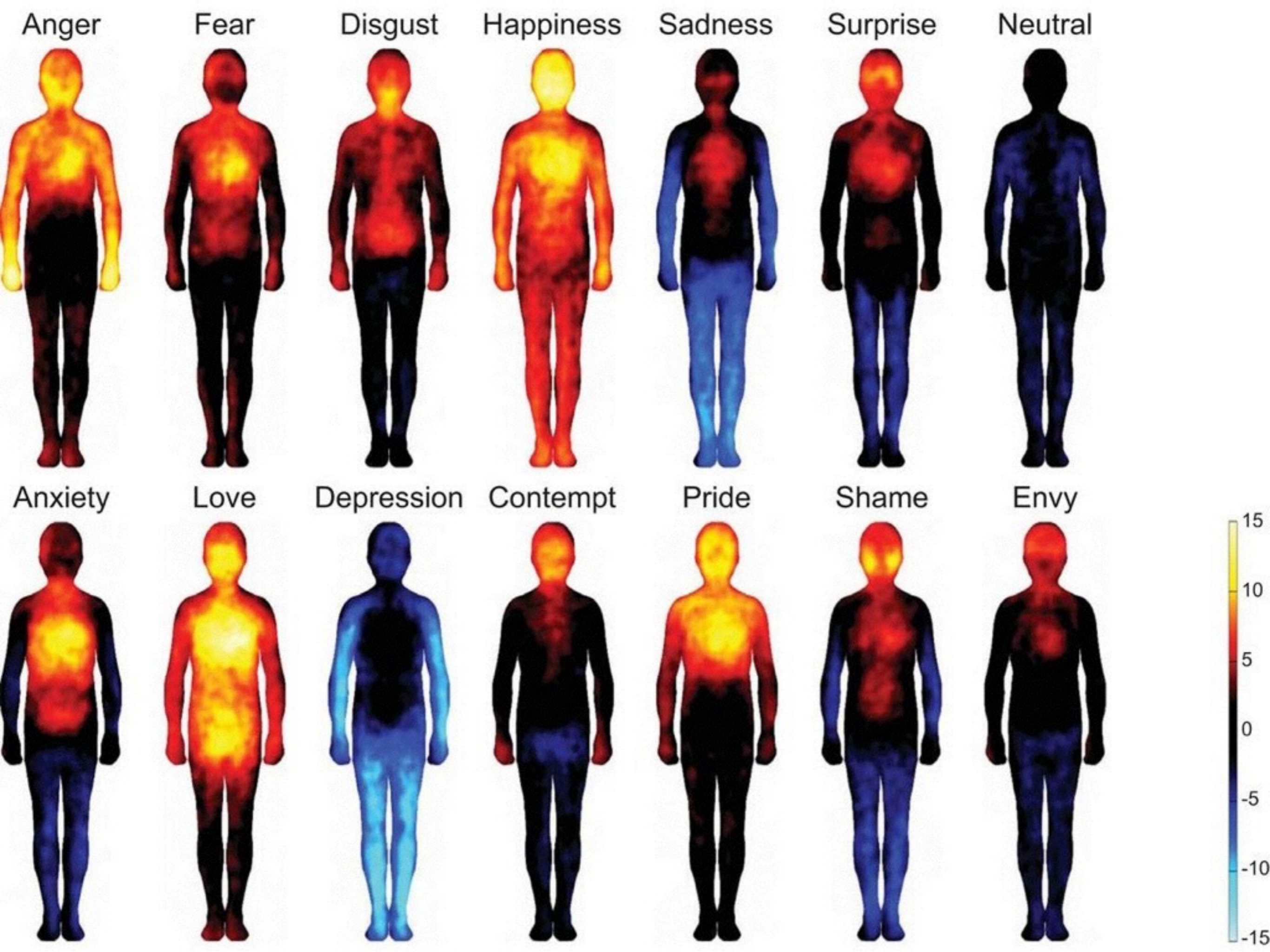
MOTIVATION

Everyone needs it.

Ability to Motivate

Leaders don't lead by telling people what they *have* to do. Instead, leaders cause people to *want* to help them. A key part of this is cultivating your own desire to help others. When others sense that you want to help them, they in turn want to help you.





Be the best “you” you can be and you
will be a leader!



*The best part of teaching
is that it matters.*

*The hardest part of teaching
is that it matters every moment
of every day!*

Todd Whitaker

The Dash ■

