

WTEA - CTE

Dr. Roger J. Stanford
Western Technical College
President
March 17, 2022

March 17, 2020



March 17, 2022





Thank You

How to prepare for a Zoom meeting



IF 2020 WAS A BAG OF CHIPS







BRO DONE GAVE HIMSELF

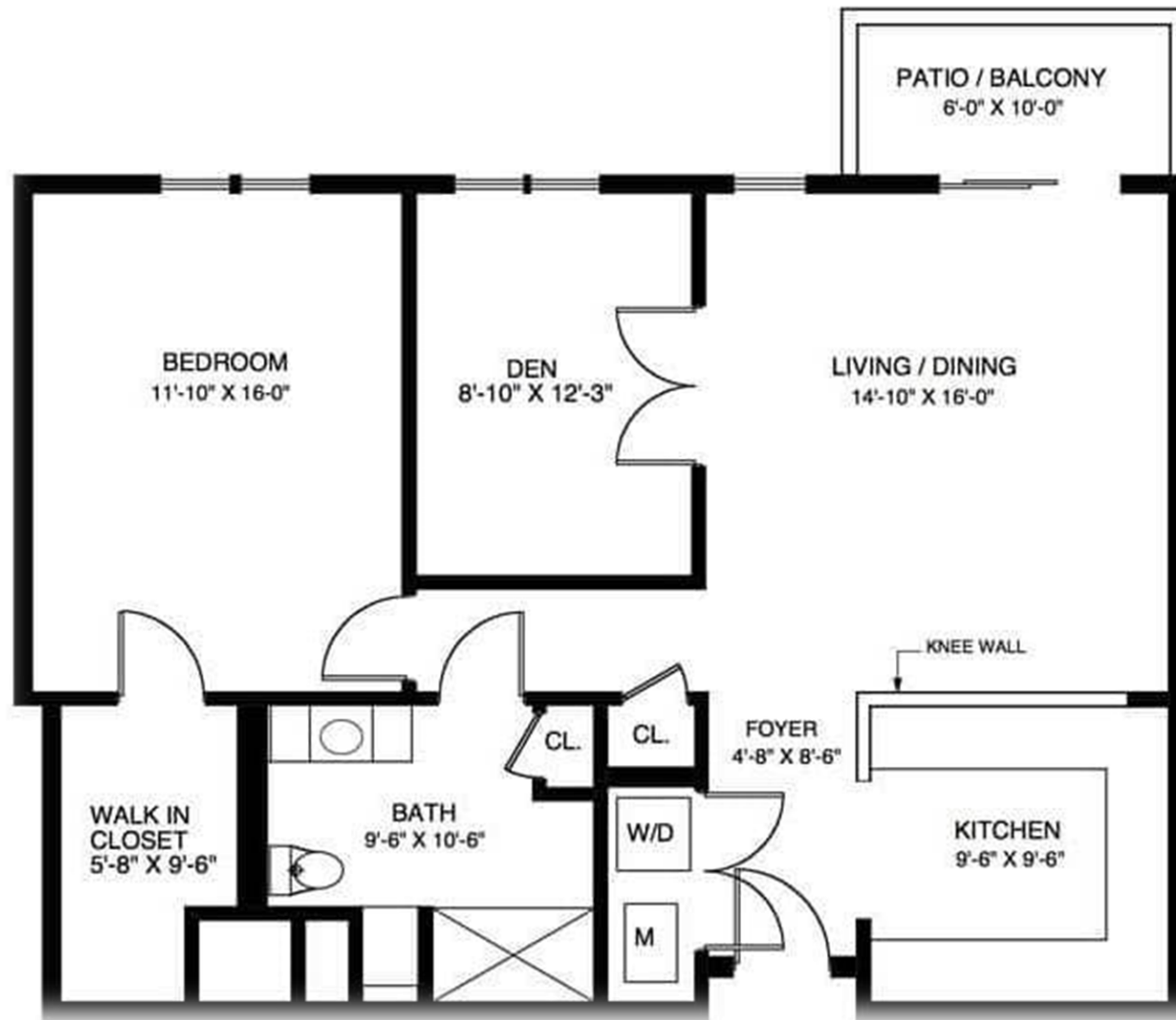


THE 2020 CORONACUT

Get set for the return of parents as hairdressers...



Looking at the map for some weekend travel ideas.




Travel plans in 2020 be like:

Expectations:



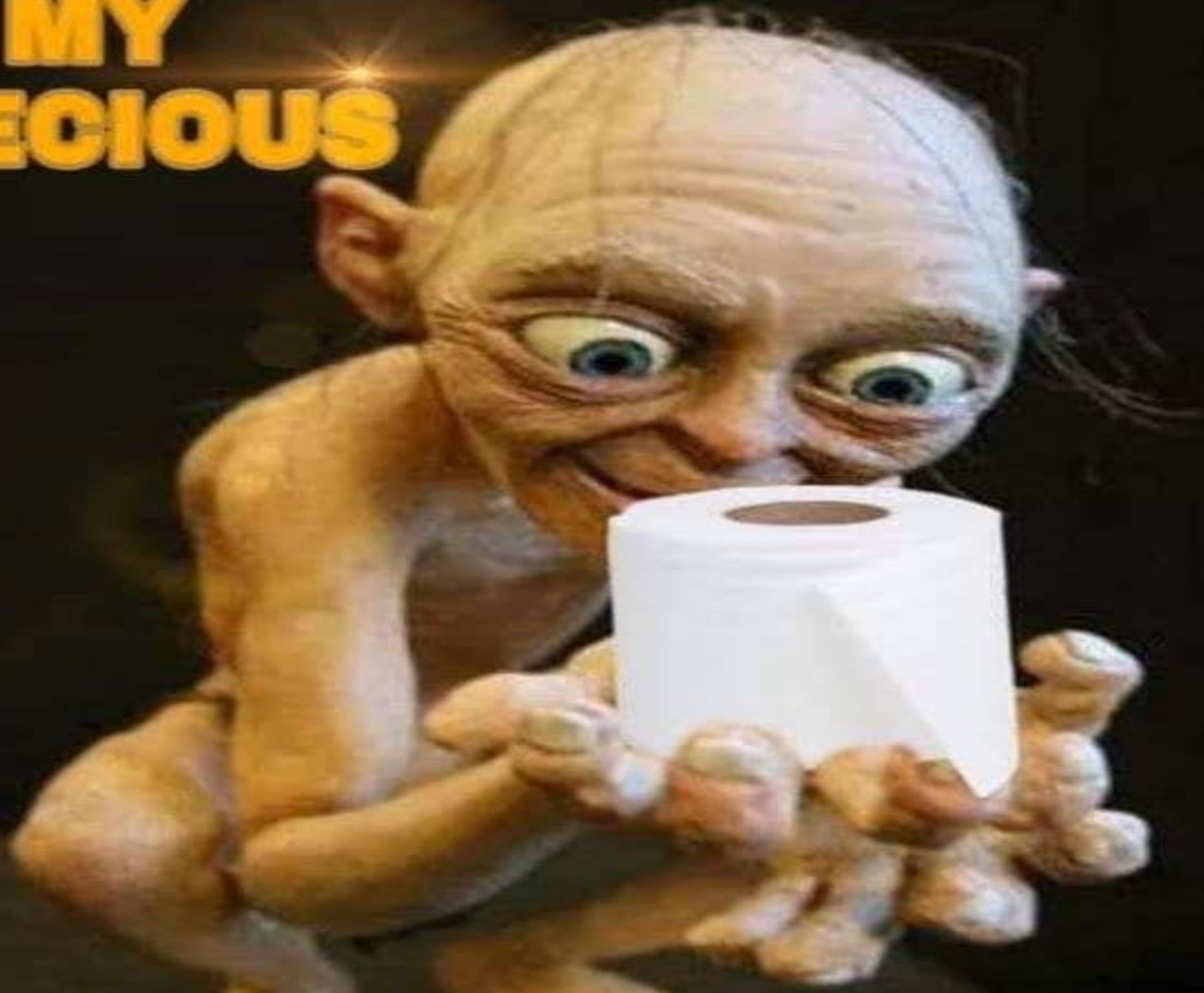
Reality:

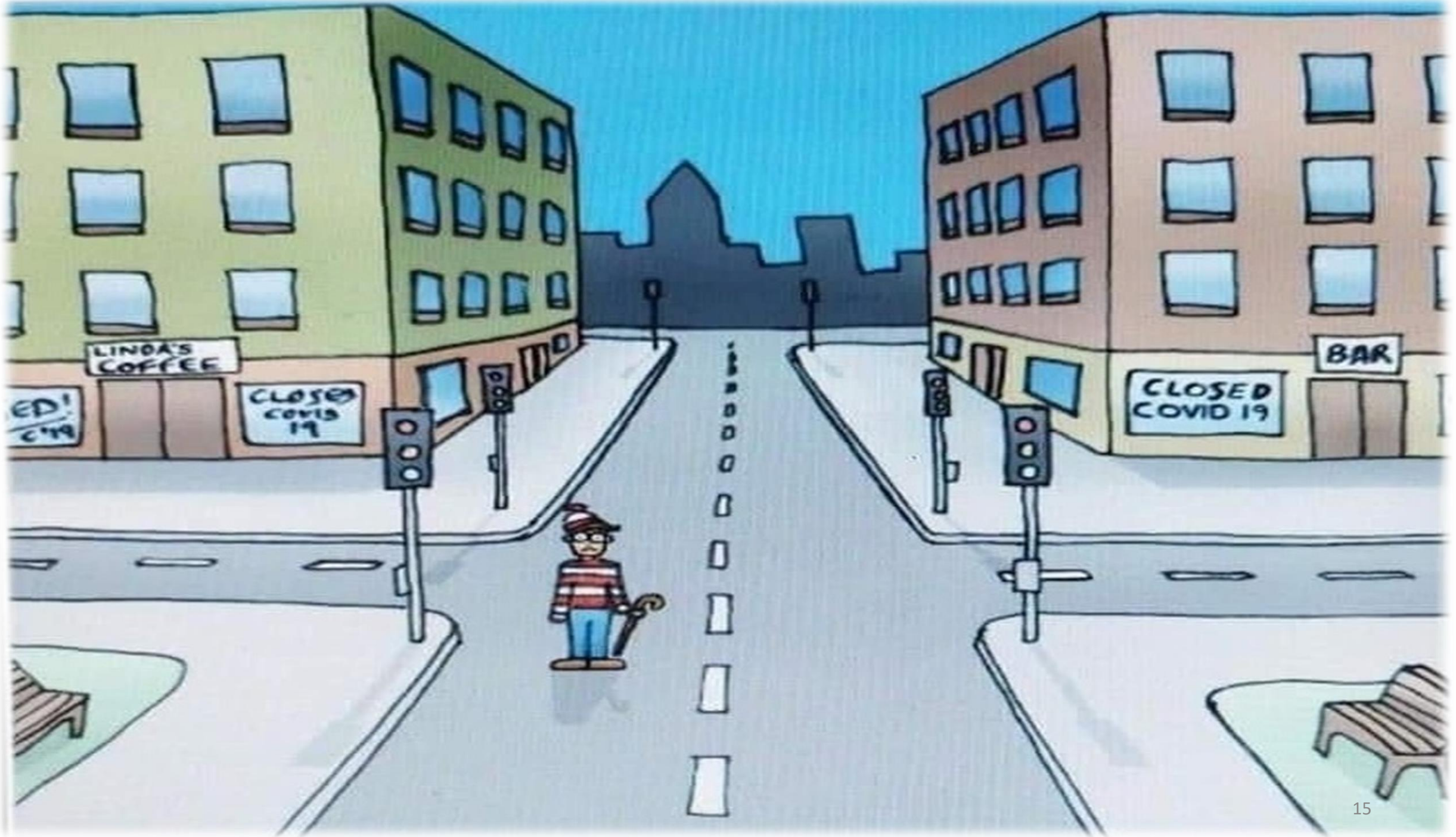




DID ANYONE
BRING ANY
FOOD?

**MY
PRECIOUS**





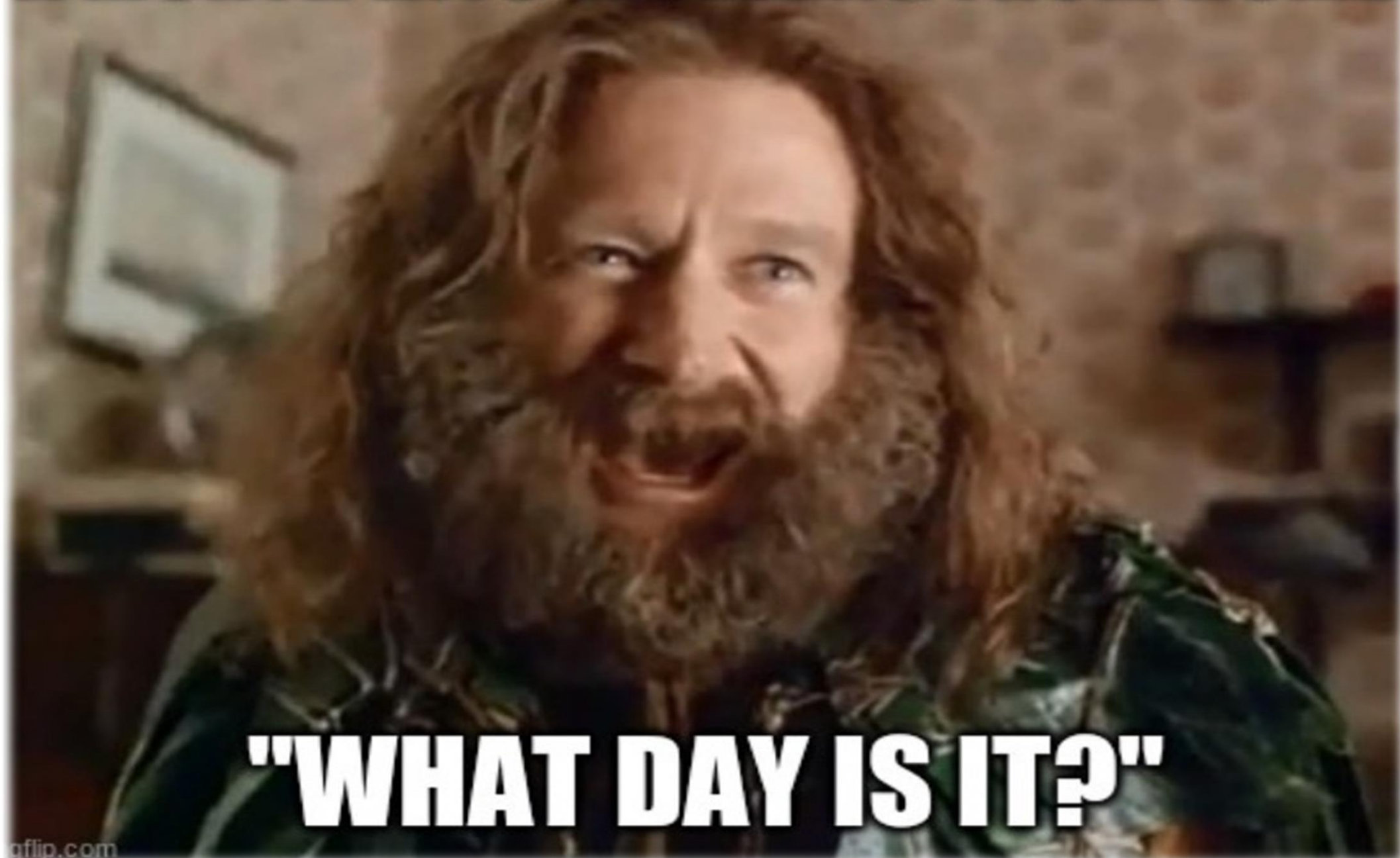
**HANGING OUT WITH YOUR FRIENDS
DURING SOCIAL DISTANCING BE LIKE**



**SOCIAL DISTANCING
WORLD CHAMPION**



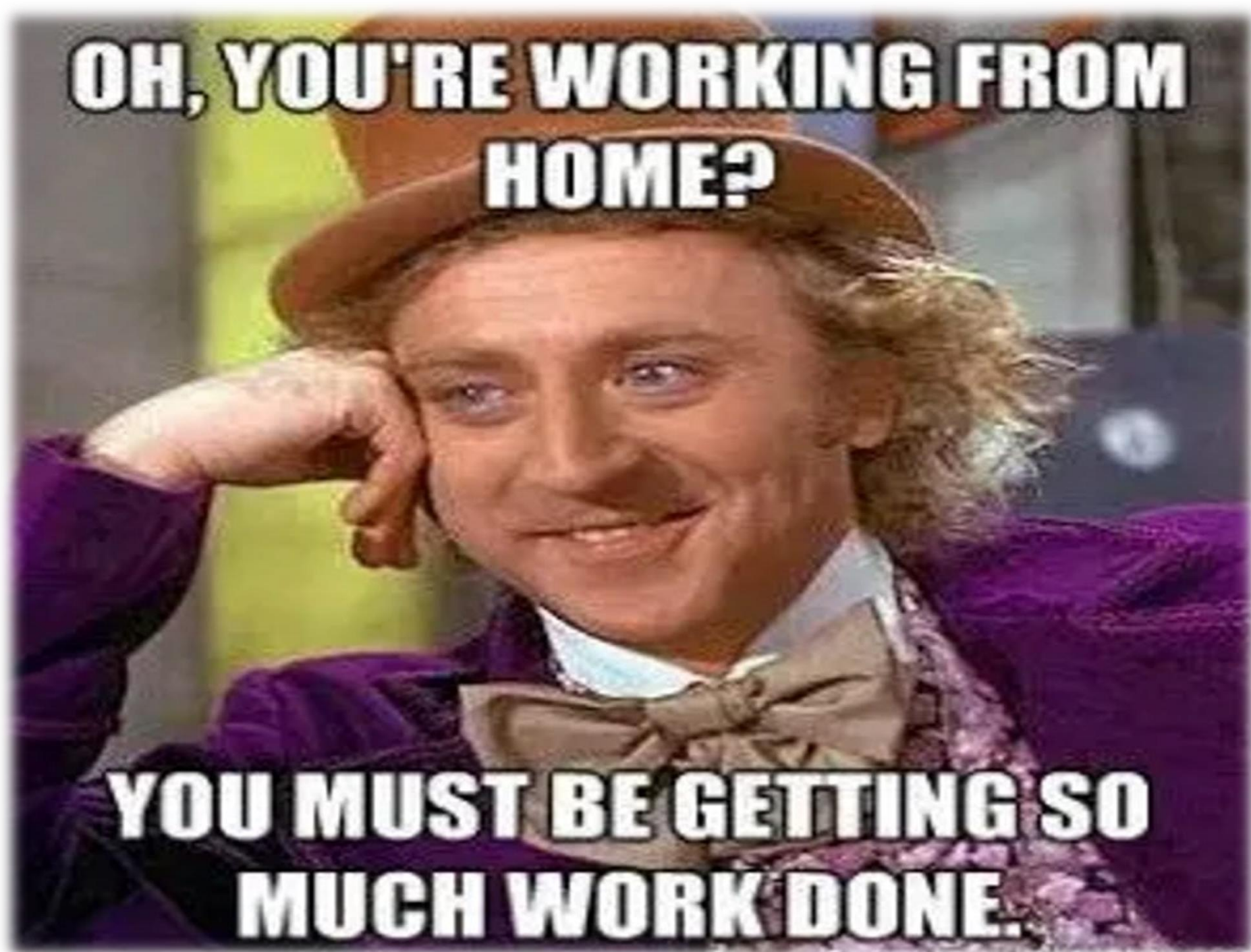
A MONTH INTO WORKING FROM HOME



"WHAT DAY IS IT?"



OH, YOU'RE WORKING FROM HOME?



YOU MUST BE GETTING SO MUCH WORK DONE.



**IF YOU COULD AT LEAST
PRETEND TO WORK FROM HOME
THAT WOULD BE GREAT**



When it's only been 48
hours and you've eaten
your entire coronavirus
stockpile

**Me after I eat all of
my quarantine
snacks in one night**



Coronacoaster

noun: The ups and downs of a pandemic. One day you're loving your bubble, going for long walks, baking cakes and pottering in the garden, the next you're crying, drinking gin for breakfast, eating party rings & missing people you don't even like.

Me being prepared for 2020:



2020:



“2020 HAS BEEN HARD ON ALL OF US.”

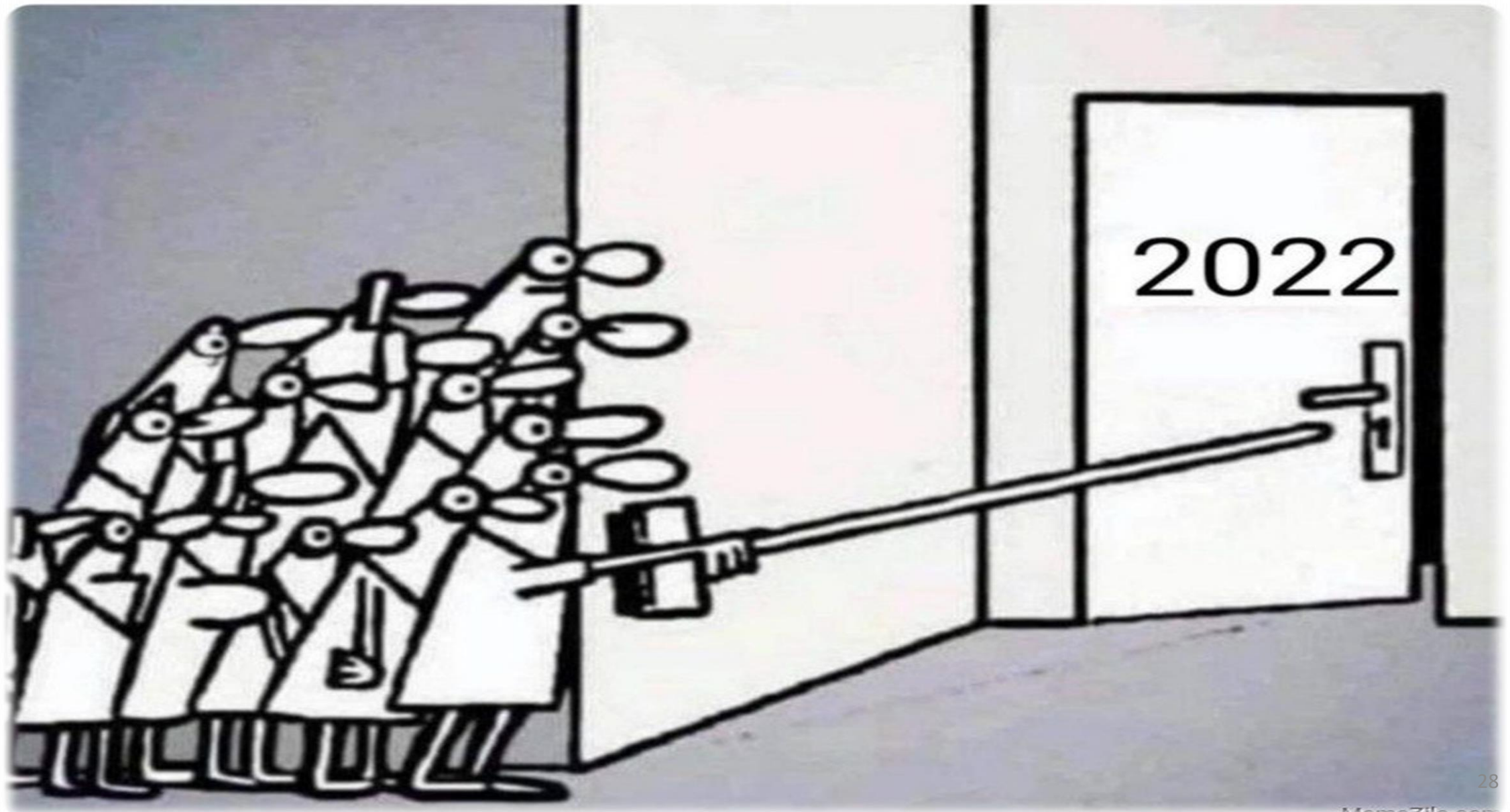
— JULIA ROBERTS

WHEN YOU REALIZE 2022



IS PRONOUNCED 2020 TOO

Apparently it will be 2020 too



“HOW WAS ONLINE TEACHING?”



TEACHERS TRYING TO KEEP UP WITH THEIR ONLINE CLASSES

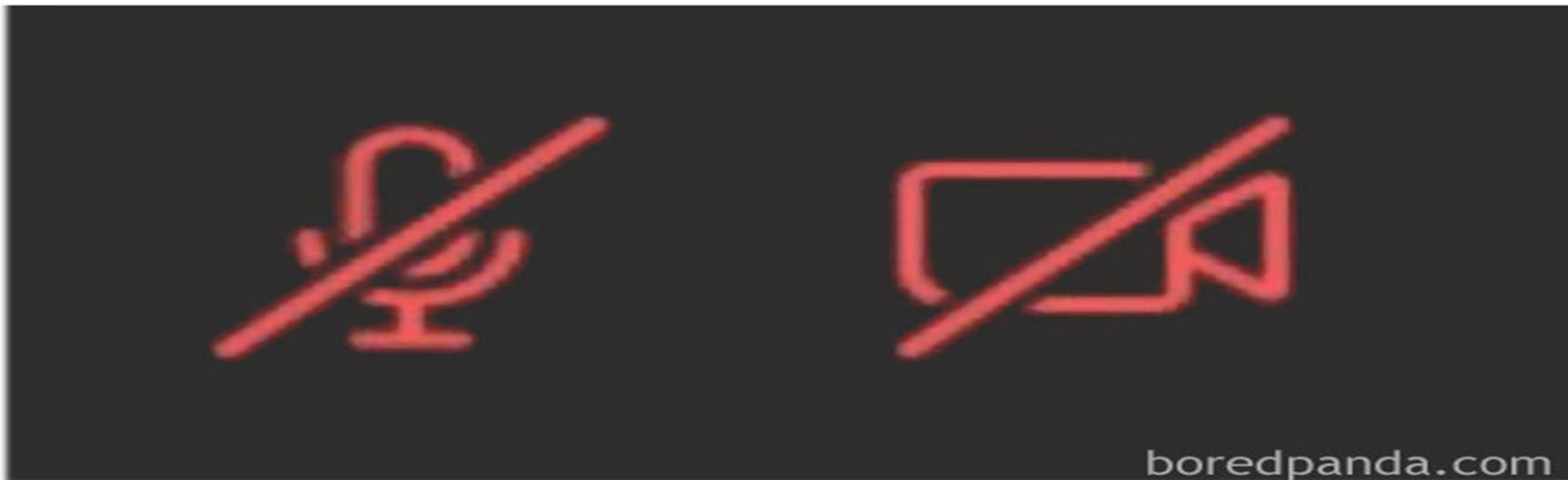


@TEACHER_MEMES_BY_BEN

Skipping school in 2019:



Skipping school in 2020:





Turn to a partner



Big Shifts



US Trends

- Massive Retirement of Boomers
- Low Birth Rate
- Smaller Families
- Children Living at Home Longer
- Desire for Part-Time Work
- Shrinking Labor Force
- Women Leaving Workforce
- Lower Marriage Rate
- Fewer HS Graduates
- GAP in Wealth/Poverty is Growing



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WE TALKED IT OVER AS A TEAM...

**YOUR RESIGNATION HAS BEEN
REJECTED**




TALENT MANAGEMENT TODAY

GENERATION GAP



Generations

- Traditionalist 1925-1945
- Boomers 1946-1964
- Gen X 1965-1976
- Millennials 1977-1997
- Gen Z 1998-2012
- Gen Alpha 2013 - ?



All five in the workplace today –
Full time and part time

CHALLENGES DESIGNING WORK FOR FIVE GENERATIONS

Work life balance

Communications

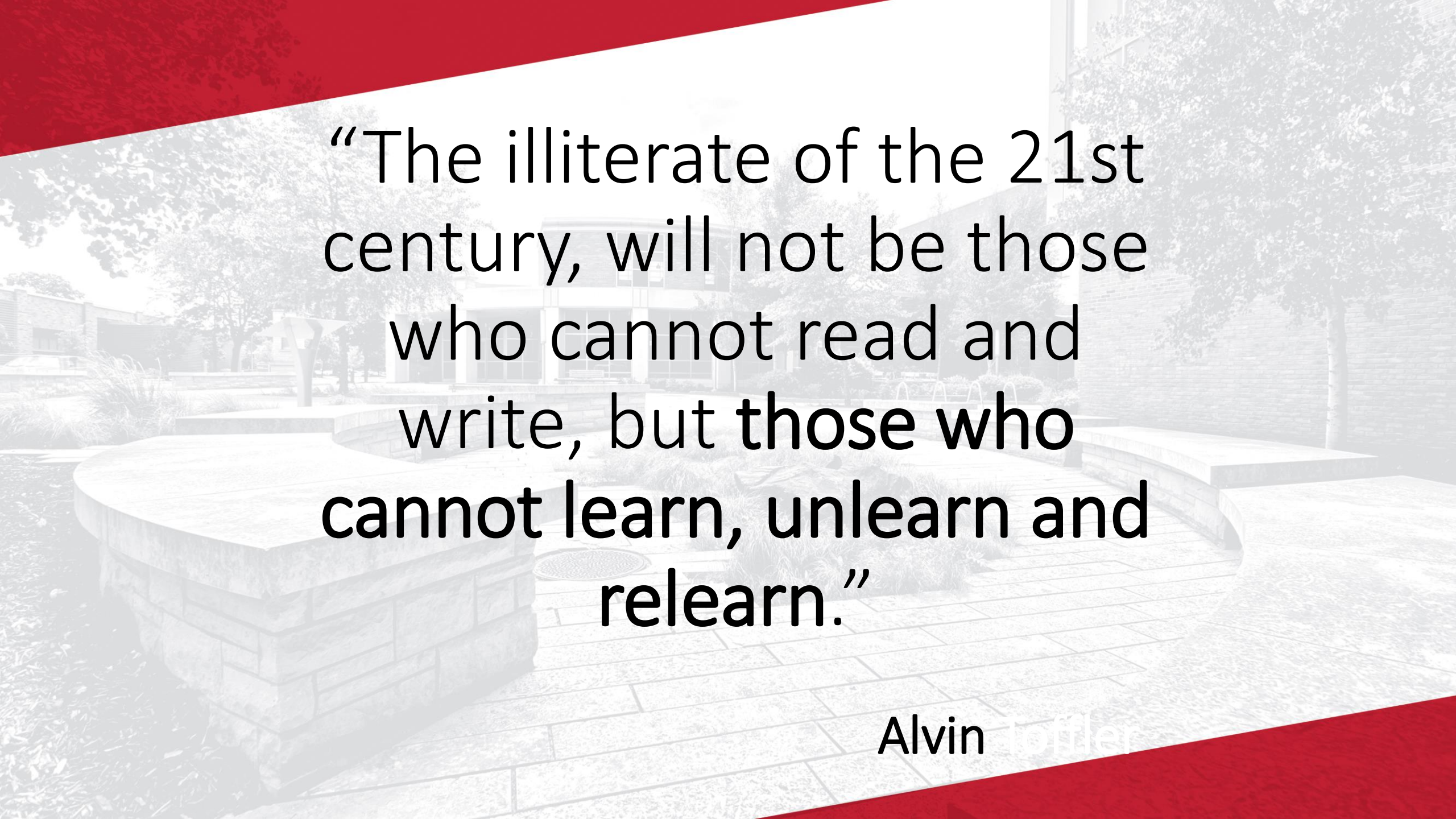
Relationships

Employee to employee

Employee to Employer

Work ethic

Diversity, equity, and inclusion



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

Alvin Toffler

Kodak

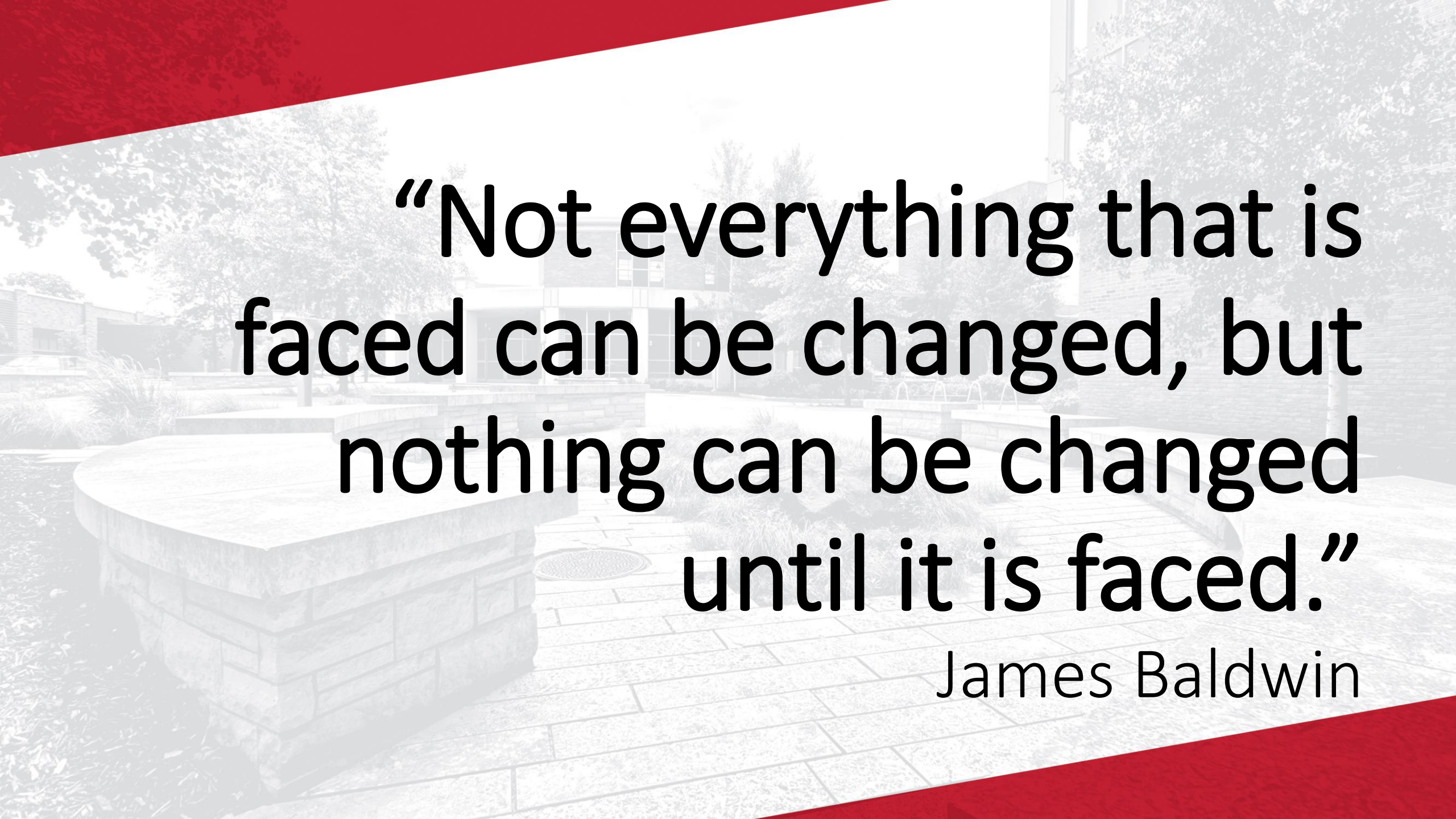
Toys R Us



Polaroid




LOCKBUSTER



**“Not everything that is
faced can be changed, but
nothing can be changed
until it is faced.”**

James Baldwin



**“The best time to create,
innovate, and transform is
when systems and structures
are in Chaos.”**

Tim Nelson

SHIFT



Innovation

**AUGMENTED
REALITY**

CLOUD

MANUFACTURING



**INDUSTRY
4.0**

**CYBER
SECURITY**

ROBOTS

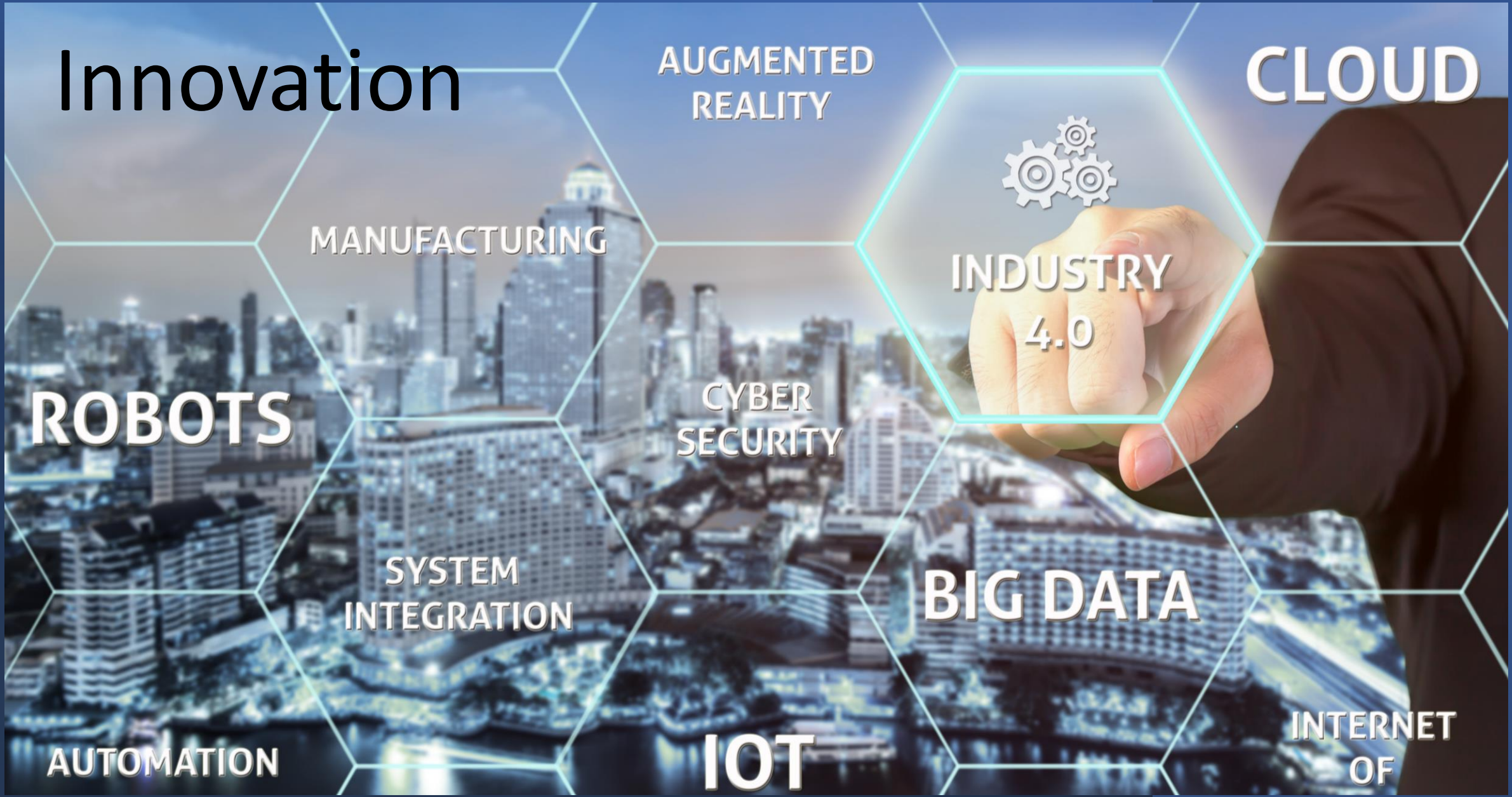
**SYSTEM
INTEGRATION**

BIG DATA

AUTOMATION

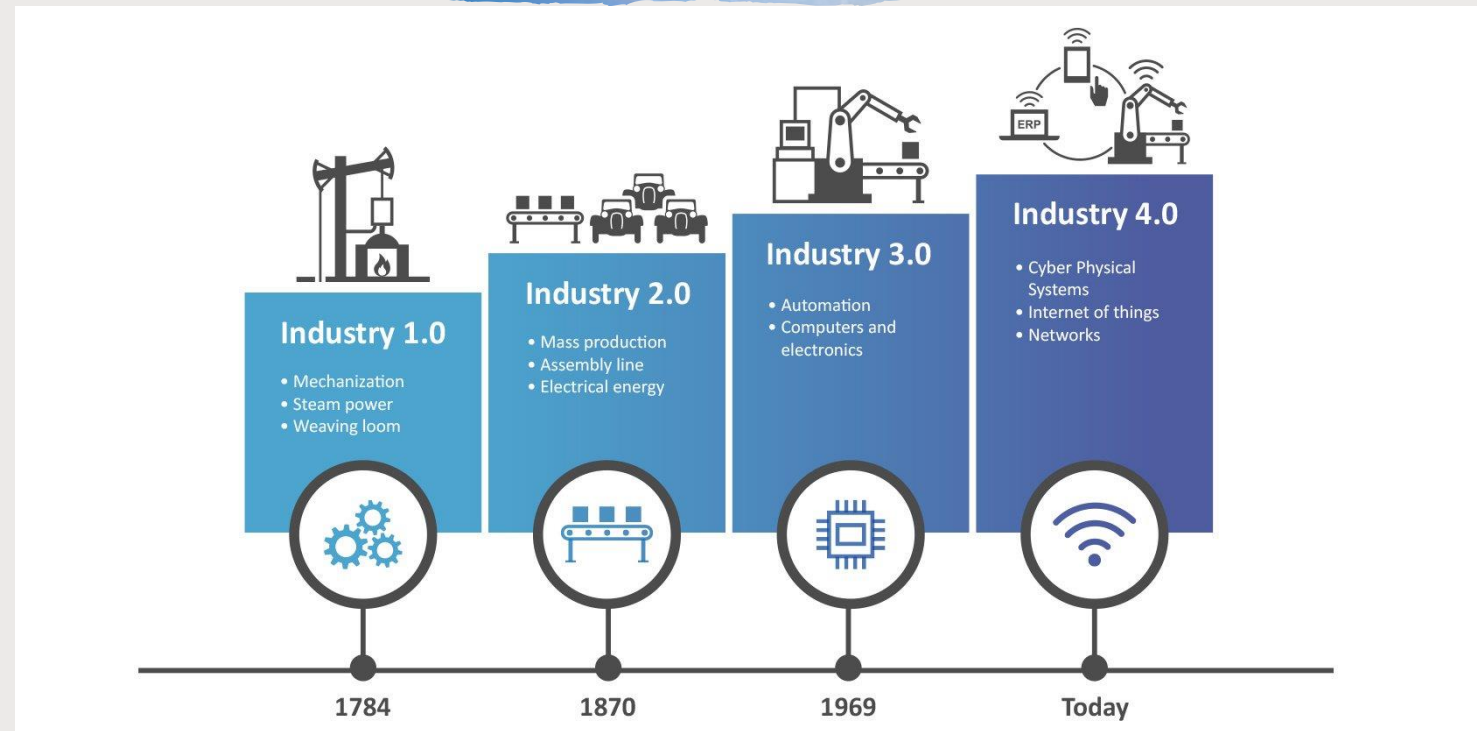
IOT

**INTERNET
OF**





The future of work is becoming clearer and it's COMPLEX



Top 5 Agriculture Careers of the Future

- *Drone Technologist*
- Hydrologist
- Agriculture Communicator
- Food Scientist
- *Precision Agriculture Technologist*

Source: FFA.org

10 Future Healthcare Jobs to Watch

- *3D Printing Specialist*
- *Voice Assistant HC Content Specialist*
- *Robotic Clinical Documentation*
- *Virtual Hospital Manager*
- *Precision Medicine Pharmacist*
- *Epigenetic Counselor*
- Finances Planner
- *Neurostimulation Specialist*
- *Data Hacker*

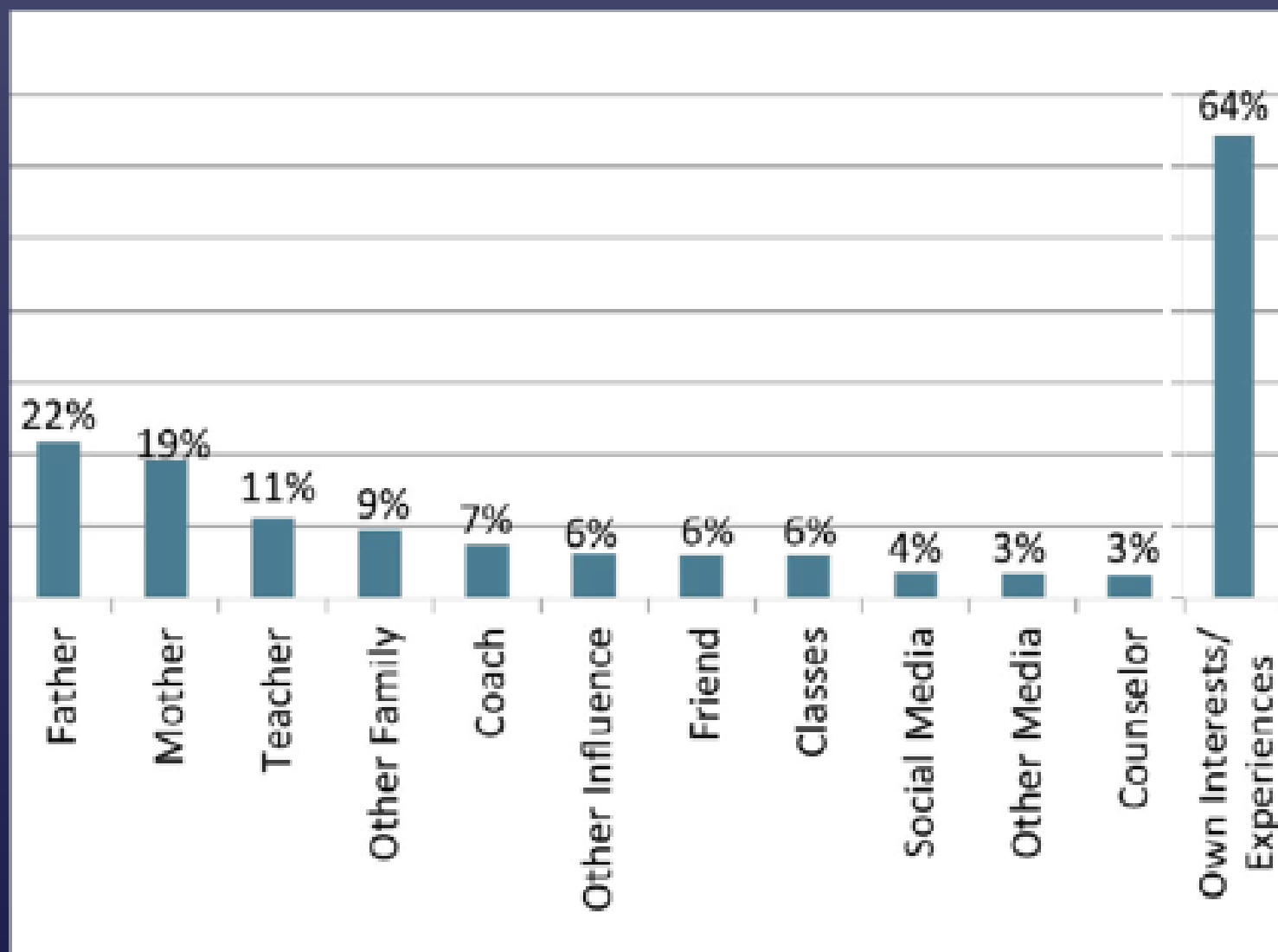
Source: Forbes

Top 10 Automotive Jobs of the Future

- *Electrical Engineer*
- *Analytics Expert*
- *Interaction Designer*
- Web Programmer
- *Autonomous Driving Engineer*
- Customer Care Expert
- Sustainability Expert
- Industrial Engineer
- *3D Printing Engineer*
- *Alternative Propulsion Engineer*

Source: Autocar Professional

What Influences a Young Person's Career Pathway



Looking Forward

The background is a complex collage of mathematical and scientific information. It includes various algebraic equations such as $ab+ac = a(b+c)$, $\frac{a}{\frac{b}{c}} = \frac{a}{bc}$, $\frac{\frac{a}{b}}{c} = \frac{a}{bc}$, $\frac{a}{\frac{b}{\frac{c}{d}}} = \frac{ad+bc}{bd}$, $f(x) \leq 5$, $X^2 - 4X + 5 \leq 5$, $X^2 - 4X \leq 0$, $n(B \cap C) = 22$, $n(B) = 68$, $n(C) = 84$, and $n(B \cup C) = n(B) + n(C) - n(B \cap C)$. There are also geometric diagrams like a 3D cube with dimensions 20 and 30, a coordinate system with a curve passing through (0,1), and a cylinder with radius r and height h . Chemical formulas like $C_2H_2Cl_4 + Ca(OH)_2 \rightarrow C_2HCl_3 + CaCl_2 + H_2O$ and $Zn_3Sb_2 + 6H_2O \rightarrow 3Zn(OH)_2 + 2SbH_3$ are visible. Physical constants for He, Na, and Ar are listed. Trigonometric values like $\sin 60^\circ = \frac{4\sqrt{3}}{x}$ and $f = \frac{R}{2}$ are present. The overall theme is the intersection of mathematics, science, and artificial intelligence.

In a human capital economy, *people* are the key ingredient.



Value People – Human Capital Economy

We can all do our part with coworkers

- Ensure people feel valued
- Make it safe to be vulnerable
- Make it safe to take risks when serving others
- Allow people to be who they are
- Accept people where they are at
- Foster a sense of belonging – DEI

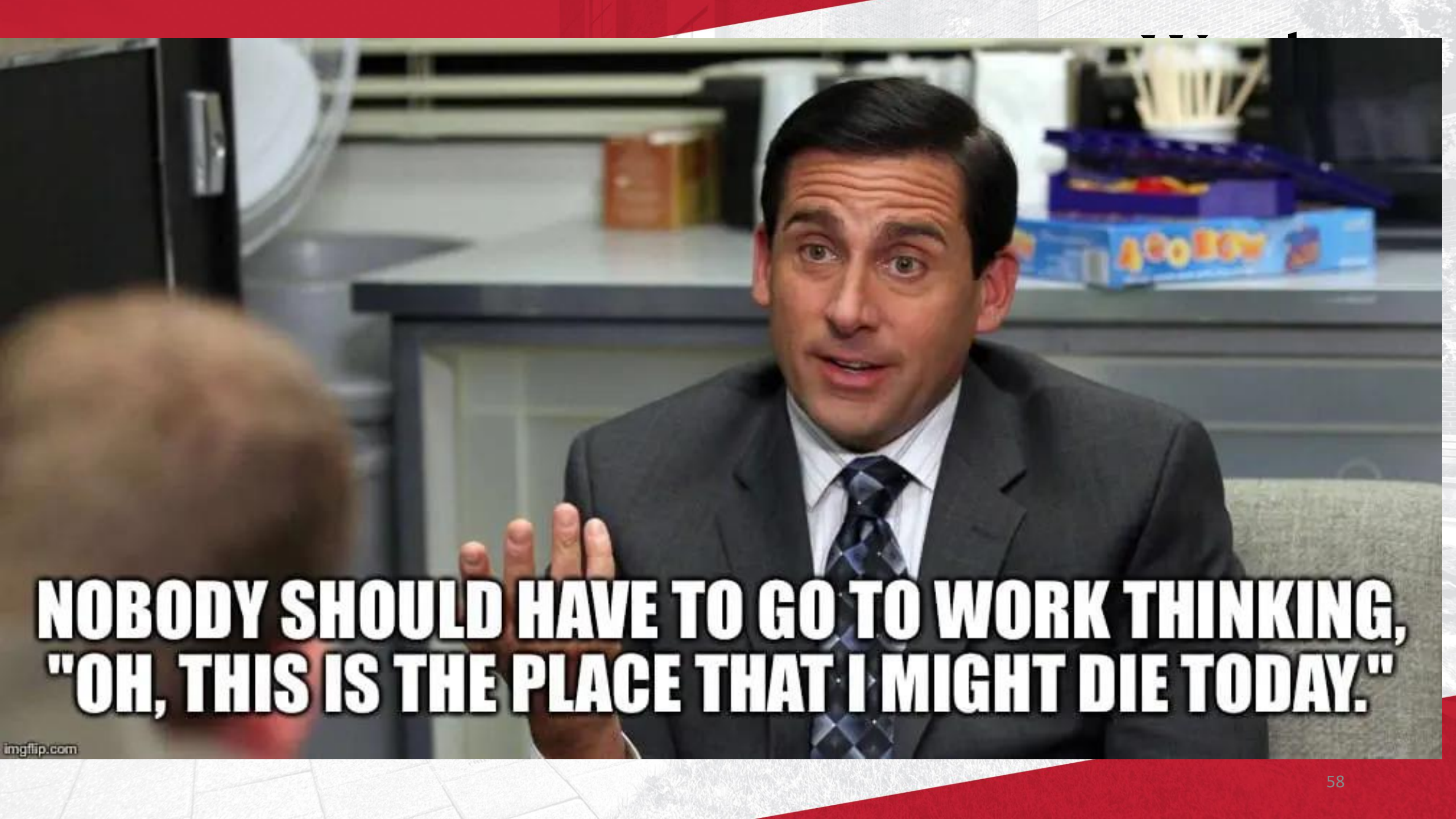


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Thank You!

**THE FIRST 5 DAYS
AFTER THE
WEEKEND ARE
THE HARDEST**



**NOBODY SHOULD HAVE TO GO TO WORK THINKING,
"OH, THIS IS THE PLACE THAT I MIGHT DIE TODAY."**