

The future is here. It's just not widely distributed yet.

William Ford Gibson

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William Ford Gibson

"The mind, once stretched by a new idea, never returns to its original dimensions."

Ralph Waldo Emerson.

EDUCATION

Why Transformation?

TRANSFORMATION FRAMEWORK

Education is the most powerful weapon you can use to change the world."

- Nelson Mandela



IN A WORLD THAT IS CHANGING FASTER THAN

EVER BEFORE, IF YOU'RE NOT MOVING

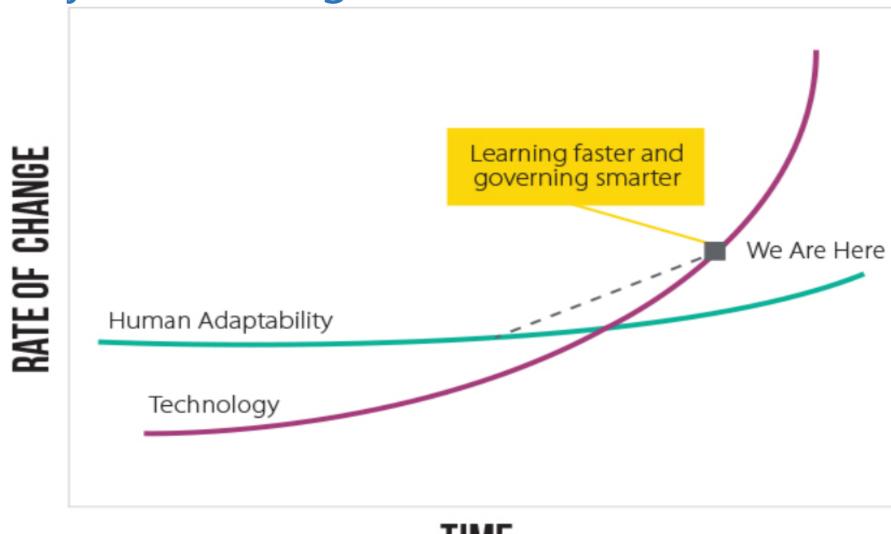
FORWARD YOU ARE FALLING FURTHER BEHIND



"The pathway to new technologies requires a parallel investment in skills development — making sure people have the requisite skills to participate in an increasingly digital society."

-- Satya Nadella, CEO, author Hit Refresh, 2017

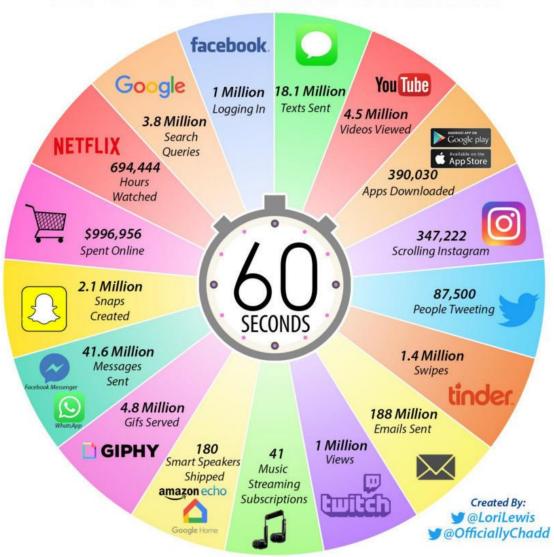
"Thank you for being late"



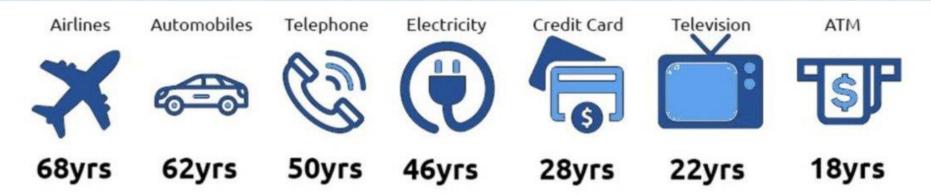
TIME

Just a minute...

2019 This Is What Happens In An Internet Minute



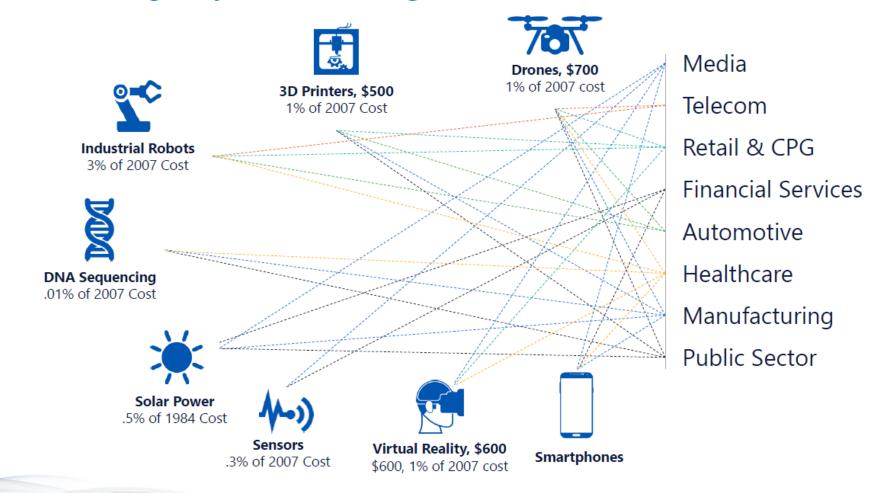
NUMBER OF YEARS IT TOOK FOR EACH PRODUCT TO GAIN 50 MILLION USERS:





Technology drives costs down

Affordable Transformative Technology Connecting Physical and Digital



EDUCATION

The Fourth Industrial Revolution (41R)

TRANSFORMATION FRAMEWORK

The Fourth Industrial Revolution is the current and developing environment in which disruptive technologies and trends such as the Internet of Things (IoT), robotics, virtual reality (VR) and artificial intelligence (AI) are changing the way we live and work.



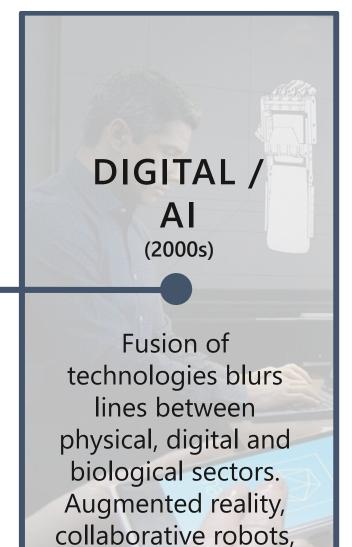
Harnessed water and steam power. Cotton gin, steamboats, textile production. Economy moved from rural/agriculture to urban/manufacturing.



Electrical power for mass production.
Telephone, lightbulb, internal combustion engine.

ELECTRONICS (1970s)

Digital devices, electronics and information technology, personal computers, telecom networks, automated production.



precision medicine.

What's Next?

While the Fourth Industrial
Revolution is in many ways coming
right on the heels of the digital
revolution, it will continue to evolve
as new technologies develop and
mature."

- Robert D. Atkinson, President of the Information Technology and Innovation Foundation

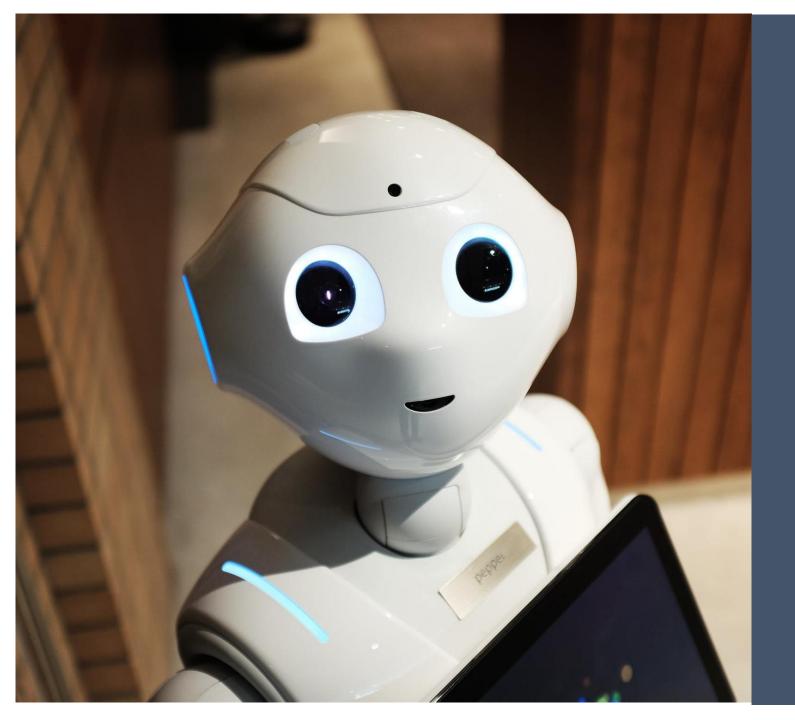


Artificial Intelligence

TRANSFORMATION FRAMEWORK

Artificial Intelligence (AI) is the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.¹

Through AI, machines can analyze images, comprehend speech, interact in natural ways and make predictions using data. Support personalized learning at scale by implementing easy-to-manage AI applications.





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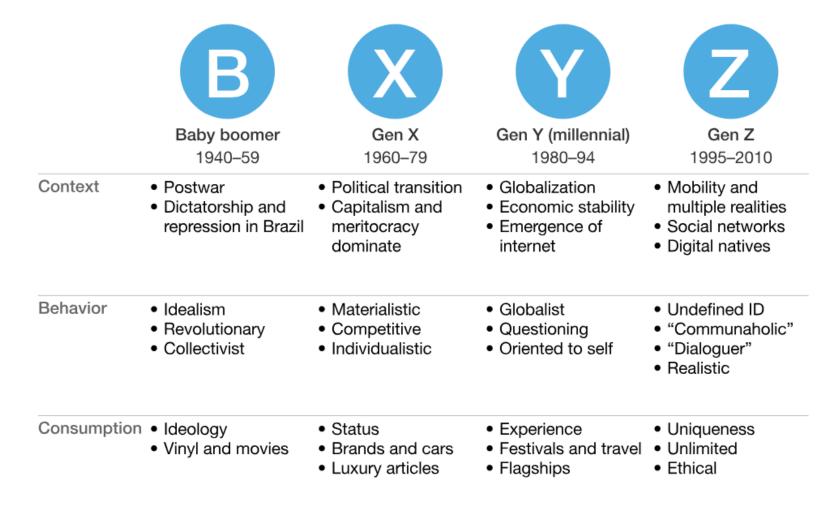
Predictive Analytics

TRANSFORMATION FRAMEWORK

Predictive Analytics is a method of data analysis techniques that predicts trends and finds useful patterns. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns, and make recommendations and sometimes- decisions with minimal human intervention.

Focus your energy on teaching by allowing adaptive learning platforms to focus on autonomously flagging student learning difficulties and dynamically notifying teachers to determine necessary learning interventions.

Today's young people differ from yesterday's



McKinsey&Company

The core of Gen Z is the idea of manifesting individual identity.

The search for truth....

The search for the truth is at the root of all Generation Z's behavior.

"Don't define yourself in only one way"



Expressing individual truth

'Communaholic'
"Be radically inclusive"



'Dialoguer'

"Have fewer confrontations and more dialogue"



Realistic

"Live life
pragmatically"



McKinsey&Company

Communication Channels

Generation Z: What % prefers text chat over talking on the phone?

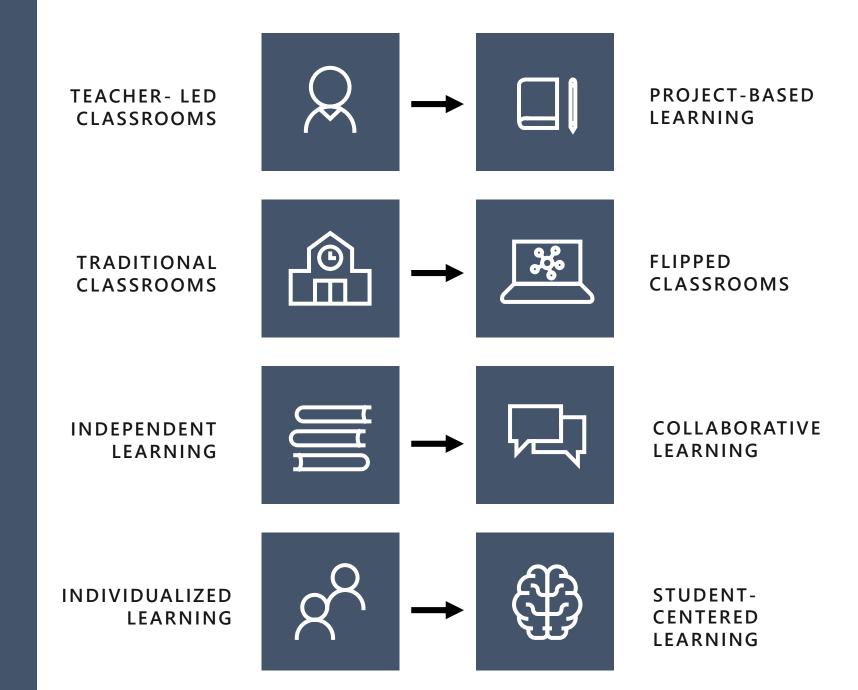
Communication Channels

- In a LivePerson survey investigating the "digital lives of Millennials and Gen Z," nearly <u>75 percent of</u>
 respondents told researchers that they're rather text than talk on the phone.
- But don't assume that digital means impersonal. While the majority may prefer texting, plenty of them -39 percent, according to data from LeadSquared - say that one-on-one communication is the most effective way to reach them.
- <u>Gen Z expert and co-writer of Generation Z Goes to College Corey Seemiller told immersive technology company YouVisit,</u>
 - "I think in a world where we envision Generation Z being digital natives, we also envision them only being digitally competent and only preferring digital methods of communication..... remember that the face-to-face thing is still very important to them-probably, more important than people are giving it credit for."

EDUCATION

The Learning Shift is Happening Now

TRANSFORMATION FRAMEWORK

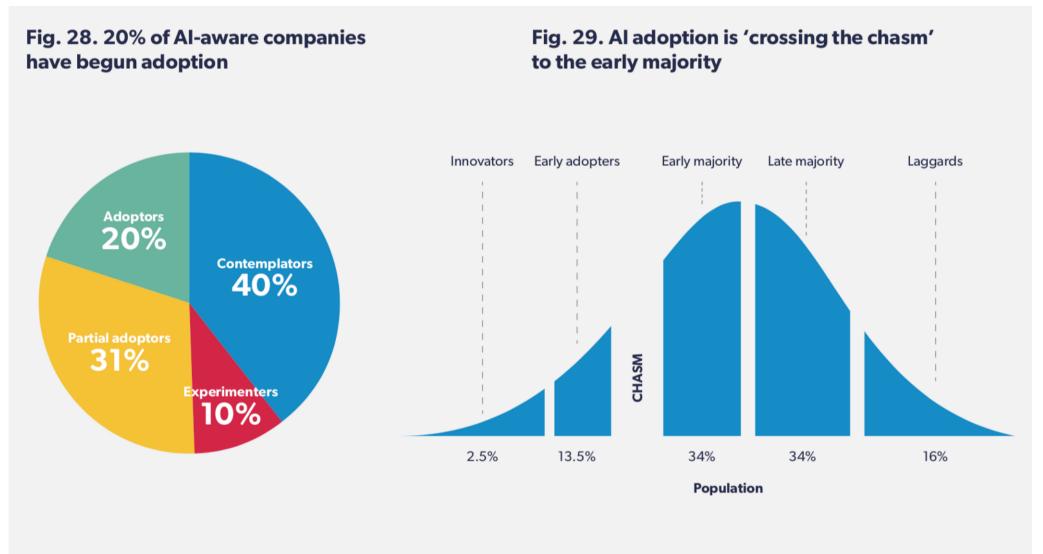


The world doesn't care about what you know.

What the world cares about is what you do with what you know."

⁻ **Tony Wagner**, Author, *Creating Innovators*

Al is crossing the chasm... Adoption has tripled in the last 12 months!



Future of the Classroom with Al

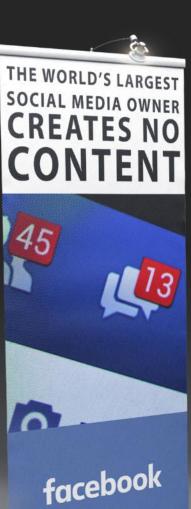
TRANSFORMATION FRAMEWORK



CHANGE IS THE NEW NORMAL ...





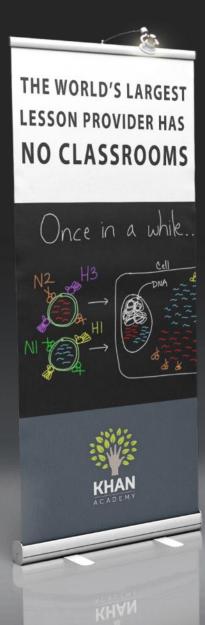




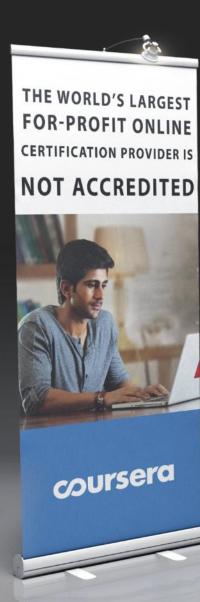


... Transforming the way we learn ...











Work is a thing, not a place...

PwC's NextGen: A global generational study

Evolving talent strategy to match the new workforce reality

Summary and compendium of findings

Page 8...



The world of the future looks very different for the students

65% of students

in grade school will perform jobs that have not been invented yet!

47% of current

jobs are expected to be taken over by machines during the next two decades

6.5 million

new IT jobs by 2022, most in cloud-related technology fields

Only 33% of the world's demand for employees with technology skills is being met

Percentage of jobs requiring technology skills will

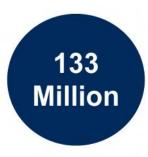
increase to 77% in less than a decade





The Jobs Landscape in 2022

emerging roles, global change by 2022



3. General and Operations Managers

- 4. Software and Applications Developers and Analysts
- 5. Sales and Marketing Professionals

2. Al and Machine Learning Specialists

6. Big Data Specialists

Top 10 Emerging

- 7. Digital Transformation Specialists
- 8. New Technology Specialists

1. Data Analysts and Scientists

- 9. Organisational Development Specialists
- 10. Information Technology Services

declining roles, global change by 2022

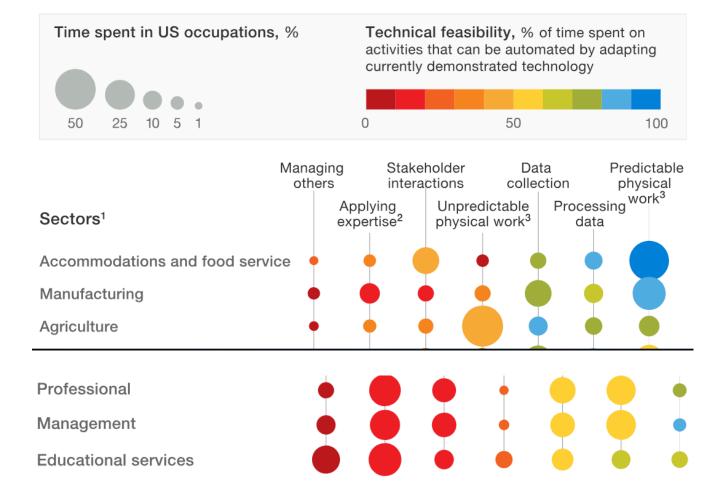


Top 10 Declining

- 1. Data Entry Clerks
- 2. Accounting, Bookkeeping and Payroll Clerks
- 3. Administrative and Executive Secretaries
- 4. Assembly and Factory Workers
- 5. Client Information and Customer Service Workers
- 6. Business Services and Administration Managers
- 7. Accountants and Auditors
- 8. Material-Recording and Stock-Keeping Clerks
- 9. General and Operations Managers
- 10. Postal Service Clerks

Could a machine do your job?

Automation is technically feasible for many types of activities in industry sectors, but some activities can be more affected than others.



From 20th century jobs to 21st century work

