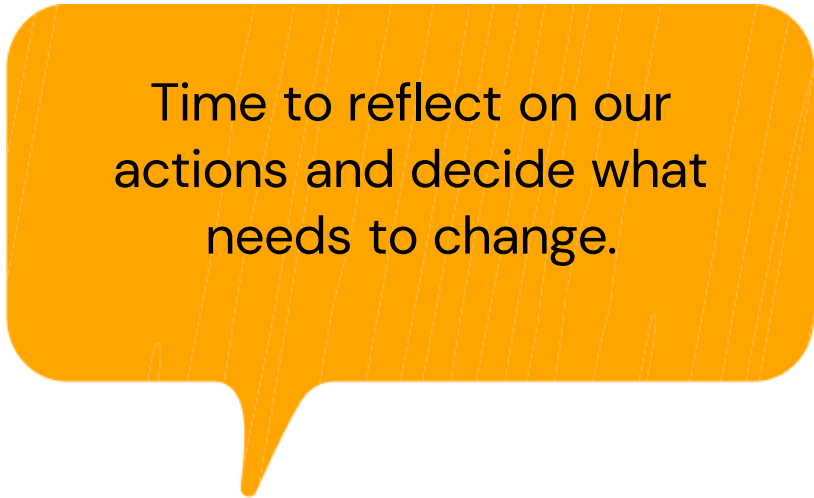


# Educational Technology

As The New Normal



Time to reflect on our  
actions and decide what  
needs to change.

# Today's Agenda

- 1 The History
- 2 The New Normal
- 3 The Power of E-Learning
- 4 The Future

# Introduction

## Hi Educators!

My name is **Mahfuzah** and I'm a **creative educator**. I help an educator to create interactive teaching & learning materials. **Do It Yourself** and Let's learn together!



Mahfuzah Mohamad



YouTube

mahfuzah mohamad

# DIY Creativity will be your best asset

Mahfuzah Mohamad



CUSTOMIZE CHANNEL

YOUTUBE STUDIO



Mahfuzah Mohamad

86 subscribers

HOME

VIDEOS

PLAYLISTS

CHANNELS

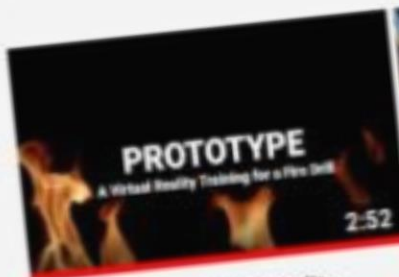
DISCUSSION

ABOUT



SORT BY

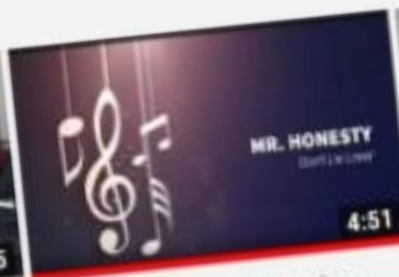
Uploads ▾ PLAY ALL



Prototype: A Virtual Reality Training for a Fire Drill  
41 views • 2 days ago



Book Review - Siri Jelajah Teknologi (Asas Komputer)...  
50 views • 4 days ago



How to improve your foreign language - Music from Mr. Honesty  
44 views • 4 weeks ago



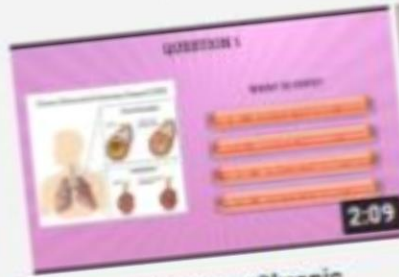
Video Promo - Siri Jelajah Teknologi (Asas Komputer)...  
99 views • 1 month ago



Health Awareness: Pneumonia  
5 views • 1 month ago



Health Awareness: Diabetes  
3 views • 1 month ago



Health Awareness: Chronic Obstructive Pulmonary



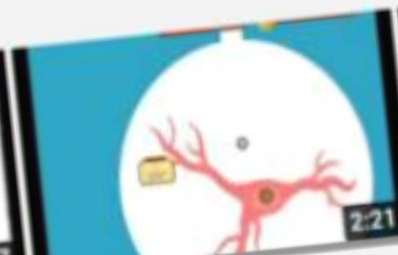
Workshop Collections ~ Mahfuzah Mohamad



Travelogue Academia - Tokun Janan



Creating a Web Page with Adobe Spark Page



Health Awareness: Gamification Video about



Bangunkan Animasi Teks dengan Canva Graphic

# Research Questions

How is the use of technology impacting teaching & learning?

How is technology being used for instruction?

How is use of technology affecting learning?

How is use affecting students' technology fluency?

Time: 5 minutes

# Don't Focus On Covering The Syllabus But Empower Students To Uncover It




— Abd Karim Alias








# 01 THE HISTORY





























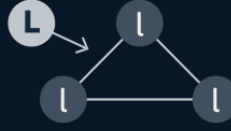









## HISTORY of eLEARNING

<b>1924</b>		<b>THE FIRST "TESTING MACHINE"</b>	Ohio State University professor Sidney Pressey invented the "Automatic Teacher," the first device in electronic learning. It was an abysmal failure.
<b>1954</b>		<b>THE FIRST "TEACHING MACHINE"</b>	Harvard professor BF Skinner creates the "Teaching Machine" for use in schools.
<b>1960</b>		<b>COMPUTER- BASED TRAINING</b>	PLATO—Programmed Logic for Automated Teaching Operations—was the first computer-based training (CBI) program. It offered drills and the ability to skip questions. The cost: \$12,000.
<b>1966</b>		<b>C.A.I. IN SCHOOLS</b>	Stanford University psychology professors Patrick Suppes and Richard C. Atkinson began using computer-aided instruction (CAI) to teach math and reading to young children in Palo Alto elementary schools. Bernard Lusklin worked with Stanford University to install the first computer in a community college for instructional use.
<b>1969</b>		<b>ARPANET HERALDS INTERNET</b>	US Department of Defense commissioned ARPANET to create the Internet.

Time

<b>1970</b>		<b>COMPUTER MOUSE &amp; G.U.I.</b>	Computer mouse and the GUI are invented, helping to define "modern computing." Computer-based training (CBI) begins at the New Jersey Institute of Technology.
<b>1980s</b>		<b>PC's BEGIN WITH THE FIRST MAC</b>	Personal computer era begins with Macintosh. Online communities begin sharing information, slowly paving the way toward eLearning.
<b>1990s</b>		<b>THE FIRST "DIGITAL NATIVE"</b>	The first "digital natives" are born. Email takes off. It's the dawn of a new era in learning. Virtual learning environments begin, and "elearning" becomes a widely recognized term.
<b>2000s</b>		<b>BUSINESSES ADOPT eLEARNING</b>	Businesses begin rolling out elearning courses as a central way to train workers. Authoring tools are more accessible than ever, and a wide range of online learning opportunities are available.
<b>2010+</b>		<b>SOCIAL, ONLINE LEARNING</b>	A new wave of elearning inspired by social media builds momentum. YouTube, Twitter, Massive Open Online Courses (MOOCs), ScoopIt, iTunes U, Skype. Opportunities to connect, share information, and learn from each other are found everywhere.

CATEGORY	BUILDERS	BABY BOOMERS	GENERATION X	GENERATION Y	GENERATION Z	GENERATION α
Name origin	The generation that built the economy, infrastructure and society after the Depression and WW2.	The post-war baby boom that created an economic boom.	Ironically named after Douglas Coupland's anti-label moniker - "just call us X". Note: spans 15 years.	The letter that followed X, also known as Millennials.	Following from Y, the end of an era and the end of a millennium.	Coined by McCrindle to define the start of a whole new era. Follows scientific naming (Greek alphabet).
Slang terms	 <p>We prefer proper English if you please</p> <p>Born: &lt; 1946 Age: 75+</p>	 <p>Be cool Peace Groovy Way out</p> <p>Born: 1946-1964 Age: 56-74</p>	 <p>Dude Ace Rad As if Wicked</p> <p>Born: 1965-1979 Age: 41-55</p>	 <p>Bling Funky Doh Foshizz Whassup?</p> <p>Born: 1980-1994 Age: 26-40</p>	 <p>lit fam bae slay yass queen</p> <p>Born: 1995-2009 Age: 11-25</p>	 <p>extra flex yeet insta GOAT</p> <p>Born: 2010-2024 Age: under 11</p>
Social markers	World War II 1939-1945	Moon landing 1969	Stock market crash 1987	September 11 2001	GFC 2008	Trump / Brexit 2016
Iconic cars	 Model T Ford Final, 1927	 Ford Mustang 1964	 Holden Commodore 1978	 Toyota Prius 1997	 Tesla Model S 2012	 Autonomous vehicles 2020s
Iconic toys	 Roller skates	 Frisbee	 Rubix cube	 BMX bike	 Folding scooter	 Fidget spinner
Music devices	 Record player LP, 1948	 Audio cassette 1962	 Walkman 1979	 iPod 2001	 Spotify 2008	 Smart speakers Now
Leadership styles	 Controlling	 Directing	 Coordinating	 Guiding	 Empowering	 Inspiring
Screen content	 Cinema	 TV	 VCR	 Internet	 Device	 Streaming

For more on the generations:  
[mccrindle.com](http://mccrindle.com)

For a detailed report:  
[generationalpha.com](http://generationalpha.com)

To book a speaker for your next event:  
[mccrindlespeakers.com](http://mccrindlespeakers.com)

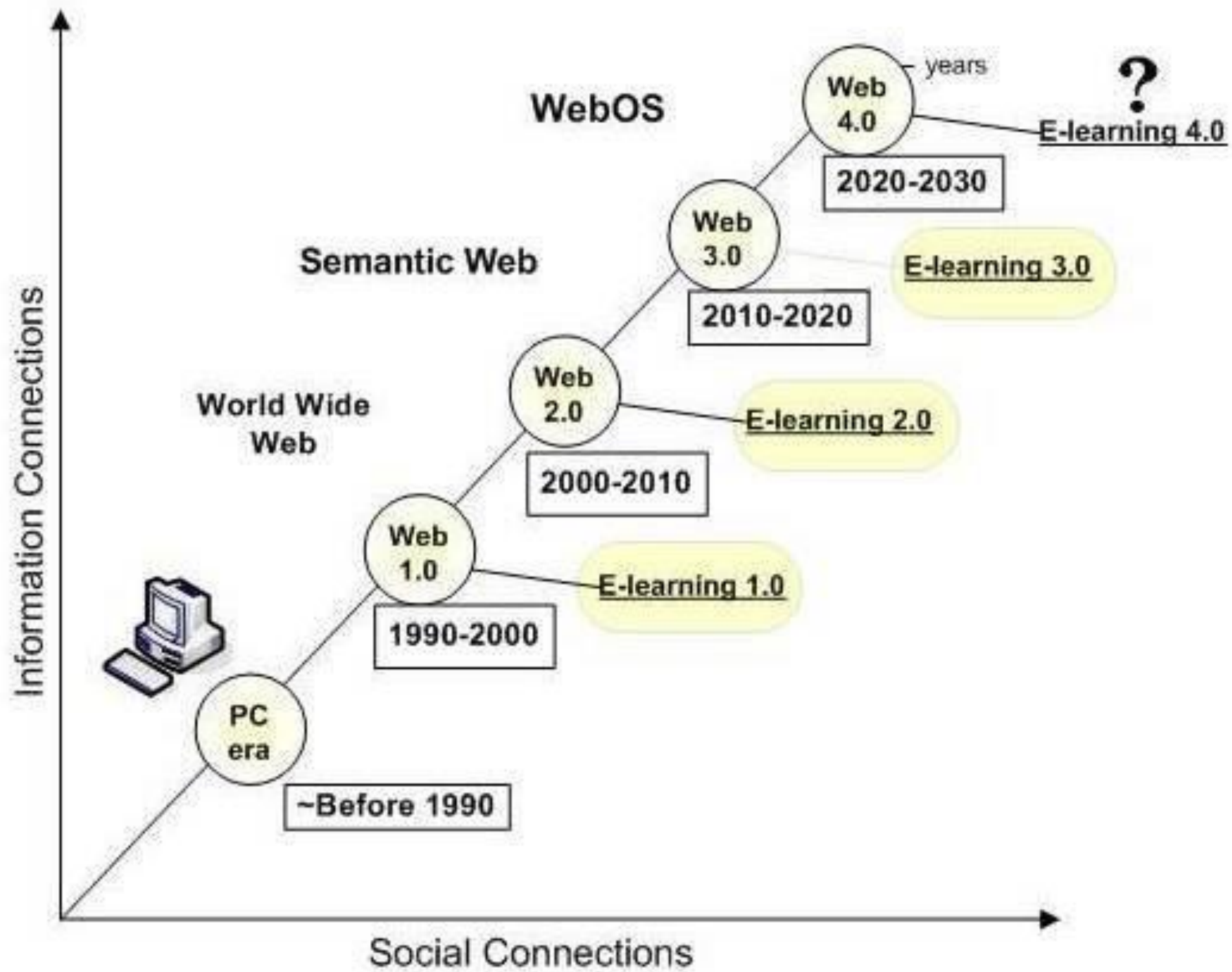
**mccrindle**

<https://mccrindle.com.au/insights/blog/gen-alpha-defined/>





<https://www.youtube.com/watch?v=jd9FiPb6vMs>





**WHAT?**



**HOW!**

**It is not enough to change WHAT we teach at schools,  
it's time to reconsider HOW we teach at schools.**

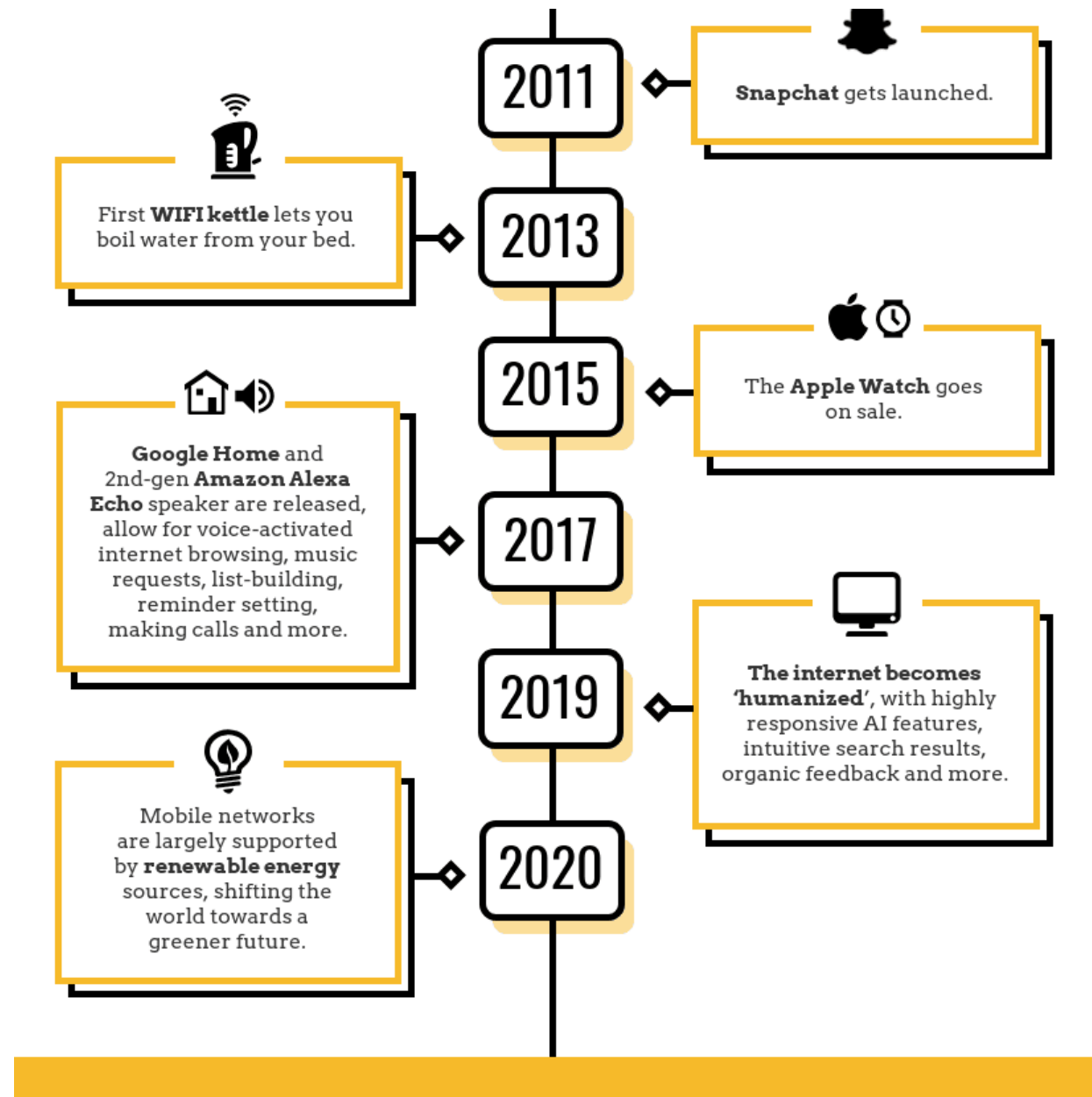
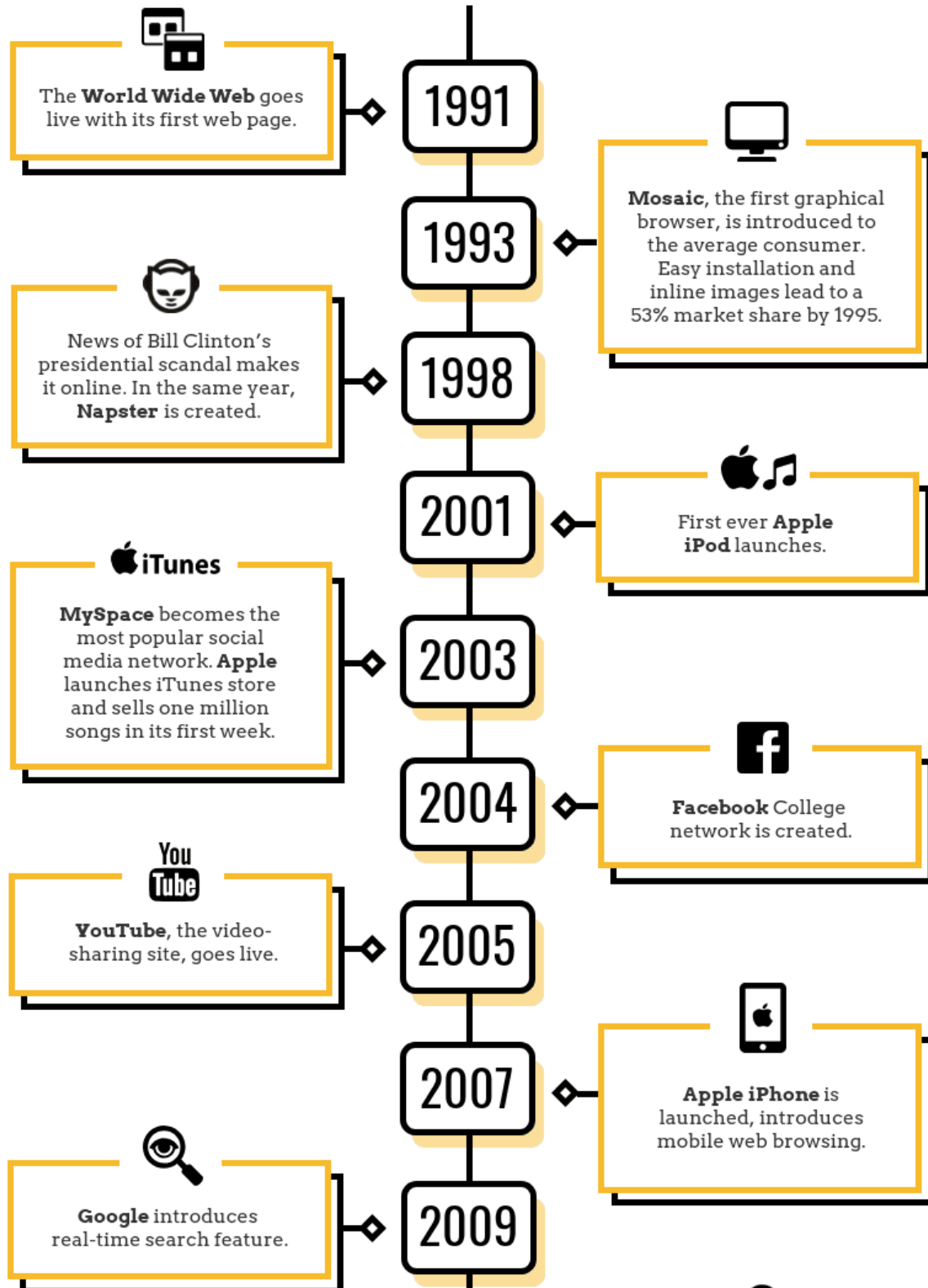










illumus



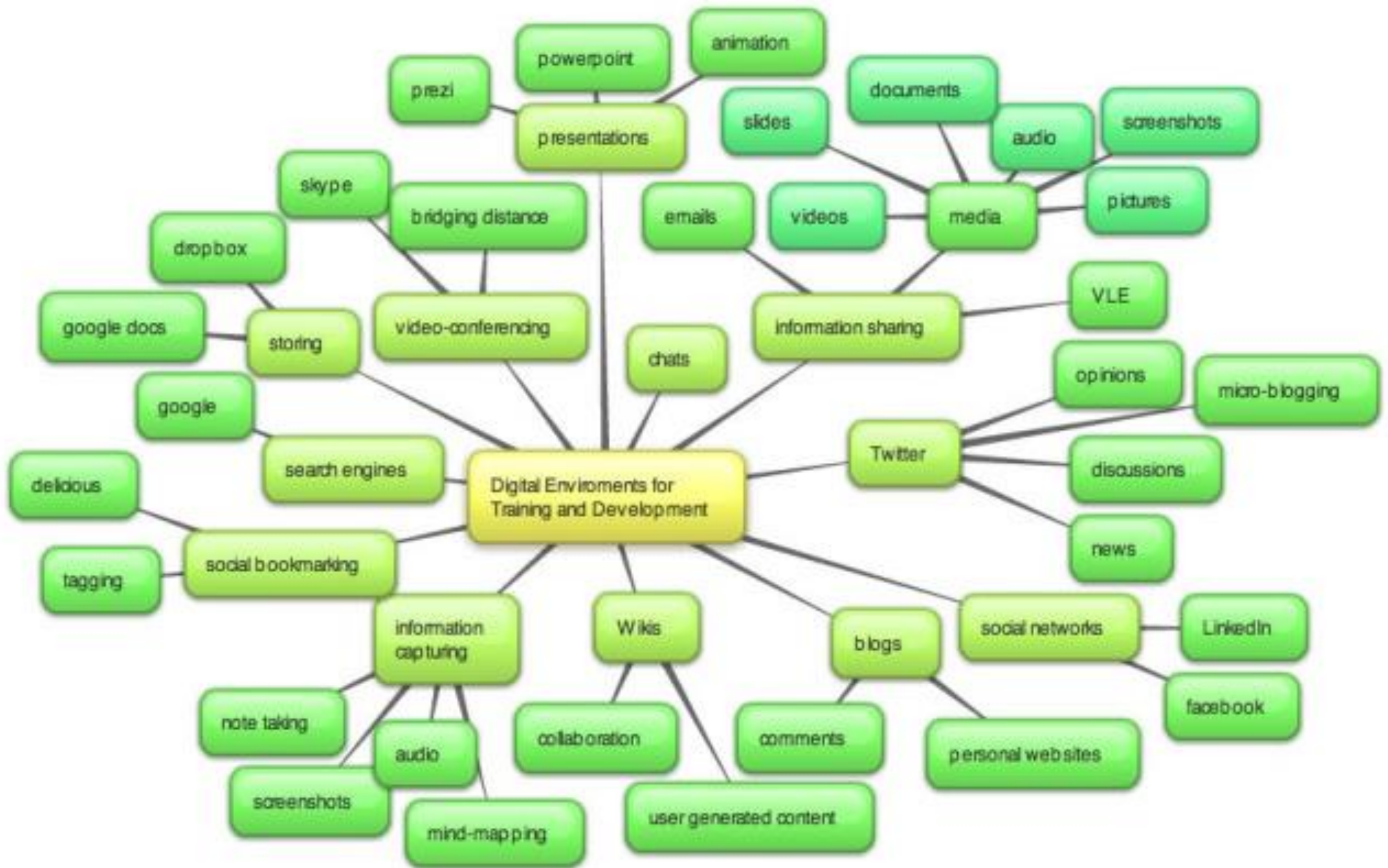
# The Evolution of the Internet and Technology

A general overview of the way the internet grew and how technology was shaped.



 UBER World's largest taxi company Owns NO <del>Taxis</del>	 airbnb World's largest Accommodation provider Owns NO <del>Real estate</del>	 skype WeChat World's largest Phone companies Owns NO <del>Telco infra</del>	 Alibaba Group World's most Valuable retailer Owns NO <del>Inventory</del>
 facebook. Most popular Media owner Owns NO <del>Content</del>	 SocietyOne World's fastest Growing bank Owns NO <del>Actual money</del>	 NETFLIX World's largest movie house Owns NO <del>Cinemas</del>	 Apple Google World's largest Software vendors Owns NO <del>Apps</del>

**Seven (7) of these companies did not exist twenty years ago**



<https://dtd2011.wordpress.com/the-evolution-of-e-learning/>

# 02 THE NEW NORMAL

Are you ready?

## Transitioning to the new normal in education

# New Normal

1

## Shift of learning space

- From public space to personal space
- From physical to virtual
- Shifted communication channels – still can communicate with classmates, teachers & others

2

## Shift of delivery (ie, teaching) methods

- From one size fits all to individualized and differentiated learning
- Each student is unique in his or her way of learning
- Educators now can design lessons according to the individual needs of students
- Give them the flexibility to master the materials accordingly.

3

## Shift in learning evaluations

- From final exams to formative assessments
- The new normal does not lend itself to methods of evaluation like final exams
- Formative assessments like science project demonstrations, math challenge games, individual whiteboard, assignment etc.
- Use the results to know whether the intended learning outcomes have been achieved or not





**Don't Just Give Your  
Students a Lesson.  
Give them an experience.**

— Alan Cohen

**LEARNING WASN'T  
ALWAYS SO EASY**

▶ ⏩ 🔊 0:06 / 1:14



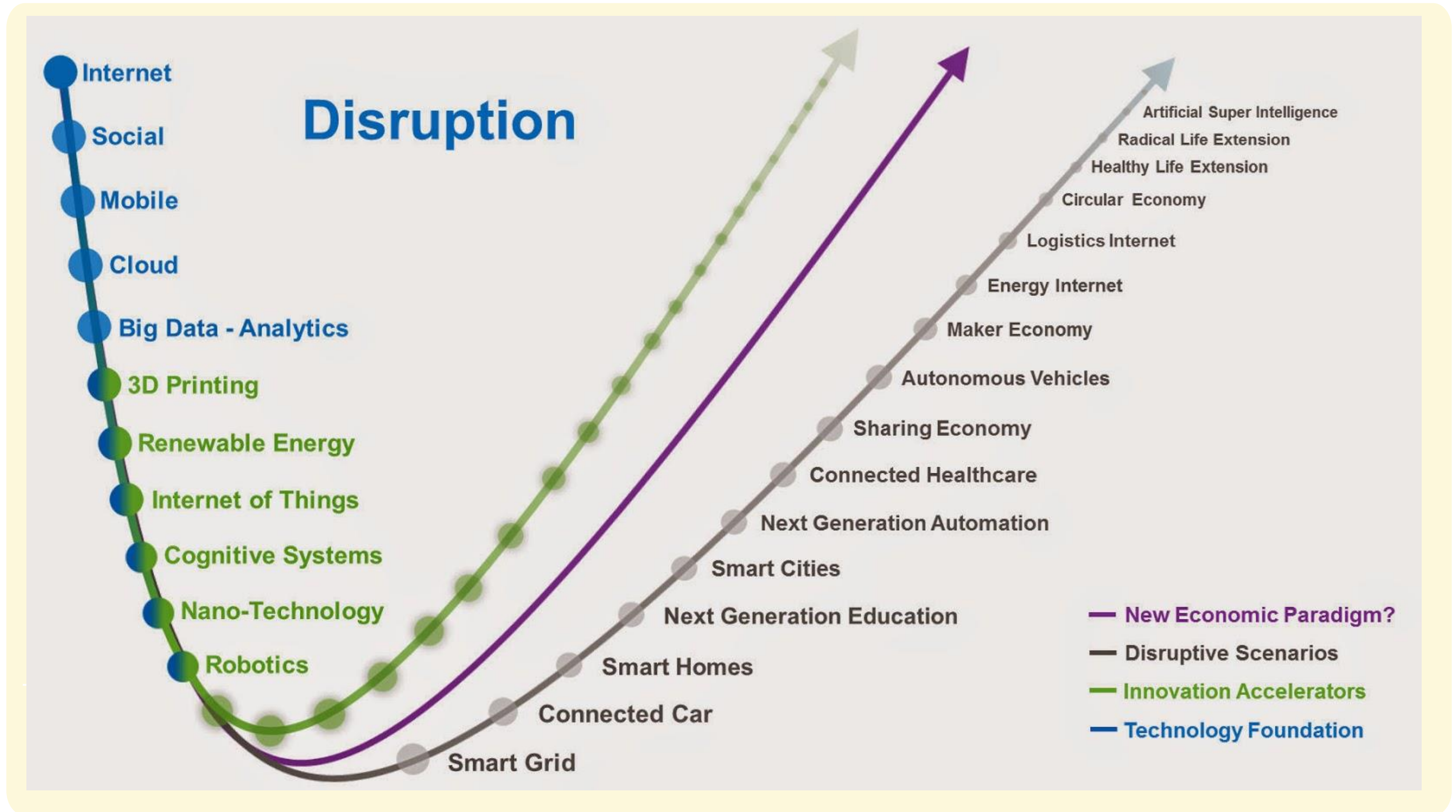
#EvolutionOfLearning  
Evolution Of Learning

4,354 views • Feb 6, 2017

[https://www.youtube.com/watch?v=hJiB8\\_UaXqo](https://www.youtube.com/watch?v=hJiB8_UaXqo)

👍 29    💬 1    ➦ SHARE    ≡+ SAVE    ⋮

# 03 THE POWER OF E-LEARNING





**Mohd Nadzrin Wahab**



9 jam · 🌐

[How I Run My Virtual Classes 4] #HIRMVC

"How do I become a better Virtual Teacher?"

The best way to learn is to attend a lot of online classes, sign up for a lot MOOCs and just experience various delivery styles as a participant.

Sometimes as facilitators, teachers, lecturers, trainers and coaches, we are blind to the learning experience, because we are not on the receiving end.

A good leader is also a good follower. Likewise, a good teacher is also a good student.

Fortunately, there are many free courses, webinars and classes being offered now. This is a fantastic opportunity to learn from the best and how they conduct their engagements online.

Pick up best practices and learn new tools to incorporate into your repertoire. Soon enough, you will create a solid teacher brand for yourself that will attract people to learn from you.

See you online!

# ADV. OF EDUCATIONAL TECHNOLOGY

Modern educational technology, empowered by Artificial Intelligence, cloud, machine learning, virtual reality and big data has immense potential to digitally transform the education sector.



1

## Interactive Learning

VR is more memorable than learning through texts and videos and helps in developing cognitive and psychomotor skills.

2

## Efficient Formative Assessment.

Technology (if applied correctly) can provide us with valuable information.

3

## Personalized Learning

Adaptive learning. It can automate the e-learning feed, create recommendations based on individual strength

# ADV. OF EDUCATIONAL TECHNOLOGY

Modern educational technology, empowered by Artificial Intelligence, cloud, machine learning, virtual reality and big data has immense potential to digitally transform the education sector.



4

## On-demand Learning

Thanks to on-demand learning through videos, online classes – students can now repeat any lesson whenever they want.

5

## Role of Educators

Act as facilitator & guide students

6

## Role of Students

students are now required to learn to connect the dots and be able to eliminate the misinformation from the essentials.



Good Teacher



Save

[shakeuplearning.com](https://shakeuplearning.com)

## 20 Formative Assessment Tools for Your Classroom

In this post, you will find 20 Formative Assessment Tools for Your Classroom! Formative assessment is such an essential part of the learning process and student success, and many digital tools... [More](#)



**Shake Up Learning**

88.9k followers

Follow

Photos Comments

Tried this Pin?

Add a photo to show how it went

Add photo



Cameo saved to **art/edu. apps**

<https://shakeuplearning.com/blog/20-formative-assessment-tools-for-your-classroom/>

# In the end

we must remember that technology is just  
a tool to enhance performance.





# 04 THE FUTURE

## Students are changing

- 1 Always connected

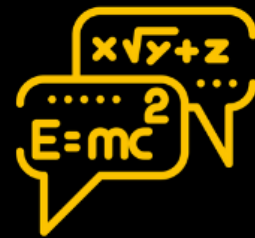


- 2 Require new learning experiences & learning space



- 3 Need access to upgrade knowledge & skills





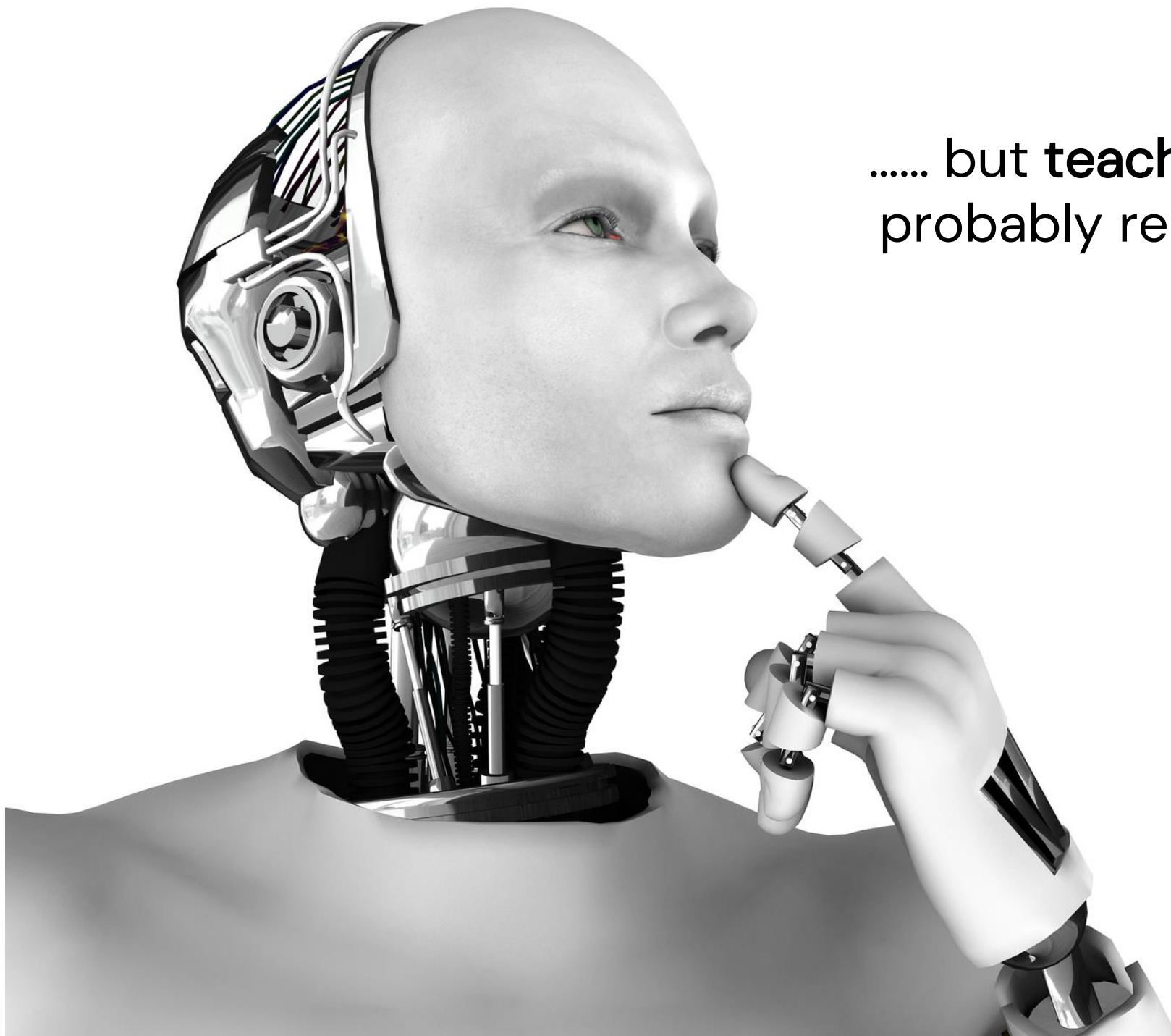
# How Technology Will Shape The Future Of Education



# Technology

won't replace teachers.....

..... but **teachers who use technology** will probably replace teachers who do not.



**Thank you**

Have a great  
day ahead.