





My Personal Fundamental Framework

"We are here today due to our previous 'KESAN'.
To progress to the next level, we need to
continuously improve our 'KESAN'.

Otherwise, the probability of us misusing power is very high."

-drSNpro-



Transparent Education









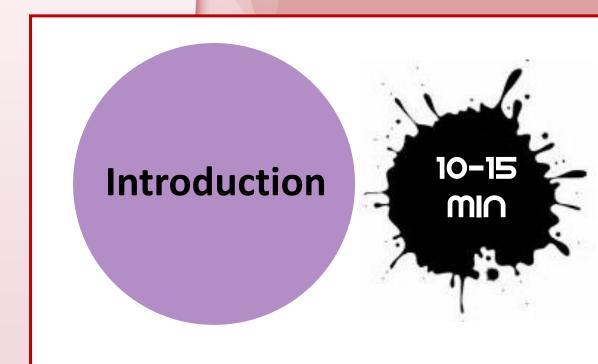






# ROUND













### The **Transition Fundamental** Generation **Digital Skills** Gap Each generation has its Digital Skills that all educators need to own unique perspective,

Each generation has its own unique perspective, challenges, and contributions, and we can all grow by listening to and learning from people who are different from us.

Digital Skills that all educators need to explore progressively to help the new generation enhance their potential in knowledge, experience and skills (KES)

Try to enhance the default things into something more commercial and it can be repeated without limit. As educators, we need to constantly learn something new (always appropriate/fit to our new generation)

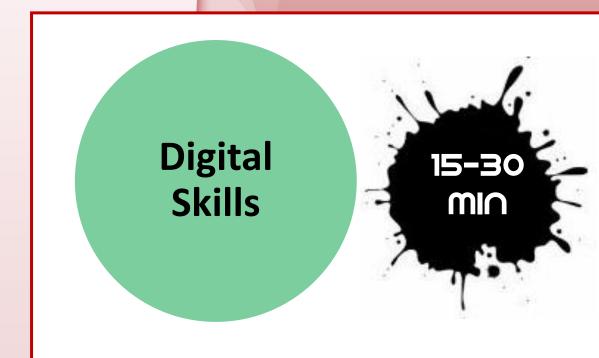
Future/

**Target** 

Hyflex

# ROUND







#### Introduction







Introduction







## **Example: The history of television**





#### **Get ready for Gen Z**

# It's the Biggest Challenge – The Generation Gap



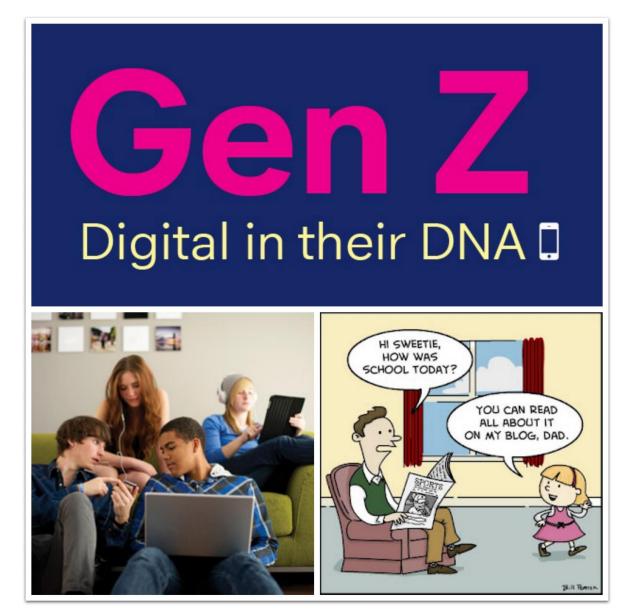


#### **Get ready for Gen Z**





#### **Get ready for Gen Z**





#### **Generation Gap**

Born **Historical Events Great Generation** before 1900 **Experienced World War II** Silent/Traditionalist Civil Rights Movement, Cold War before 1900-1945 Space Exploration, Civil Rights, **Baby Boomers** before 1946-1964 Women's Movement and the **Environment Generation X** Computer, MTV, Vietnam, Berlin Wall before 1965-1980 Fall, AIDS **Gen Y/Millennials** Internet Rise, CD / DVD, Y2K, before 1981-1995 Terrorism before 1995-2010 **Generation Z** iPod, Facebook, web 2.0 (oldest are 27 years old)

Sumber rujukan [Meet-the-generations]

#### Silent Generation / Traditionalists (born before 1946)

<ul> <li>Grew up during the Great Depression and WWII</li> <li>Majority are retirees</li> <li>Either fought in WWII or were children</li> <li>Behaviors are based on experiences from the Depression</li> <li>Strive for financial security</li> <li>Waste not want not" attitude on experiences during the Depression and WWII</li> <li>Wealthiest generation</li> <li>Men typically worked while women stayed home to raise children</li> <li>Has largest lobbyist group, AARP</li> <li>St million</li> <li>Majority are retirees</li> <li>Mant to feel needed</li> <li>Want to feel needed</li> <li>Want to feel needed</li> <li>Mant to feel needed</li> <li>Mant to feel needed</li> <li>Want to feel needed</li> <li>Mant to feel needed</li> <li>Masure work on their own schedule</li> <li>Conformity</li> <li>Started the Civil Rights Movement</li> <li>Children were</li> <li>Seen, but not heard"</li> <li>Measure work ethic on timeliness, productivity, and not drawing attention</li> <li>Measure work ethic on timeliness, productivity, and not drawing attention</li> </ul>	Who?	Population	Characteristics	At Work	Historic Events
	Great Depression and WWII  Either fought in WWII or were children  Behaviors are based on experiences during the Depression and WWII  Wealthiest generation  Men typically worked while women stayed home to raise children  Has largest lobbyist	<ul><li>Majority are retirees</li><li>Largest voting</li></ul>	experiences from the Depression  • Want to feel needed  • Strive for financial security  • "Waste not want not" attitude  • Conformity  • Conservatism  • Traditional family values  • Strive for comfort  • Demand quality  • Simplicity  • Understands the nobility of sacrifice for the common good  • Patriotic  • Patience	<ul> <li>and expect the same in return</li> <li>Possess superb interpersonal skills</li> <li>Enjoy flexible arrangements so they can work on their own schedule</li> <li>Believe promotions, raises, and recognition should come from job tenure</li> <li>Measure work ethic on timeliness, productivity, and not</li> </ul>	<ul> <li>WWII</li> <li>The Cold War</li> <li>McCarthyism</li> <li>Started the Civil Rights Movement</li> <li>Children were "seen, but not</li> </ul>



#### **Baby Boomers (born 1946-1964)**



<ul> <li>Who?</li> <li>Orew up during the Civil Rights Movement and the Cold War</li> <li>Born during a spike in child births after WWII</li> <li>Created the term "workaholic"</li> <li>The largest generation</li> <li>Single largest economic group</li> <li>Sometimes referred to today as "Empty Nesters"</li> <li>Population</li> <li>Characteristics</li> <li>At Work</li> <li>Historic Events</li> <li>At Work</li> <li>Historic Events</li> <li>At Work</li> <li>Historic Events</li> <li>At Work</li> <li>Historic Events</li> <li>Assassinations of JFK, Robert Kennedy, and Martin Luther King, Jr.</li> <li>Less importance placed on productivity</li> <li>Cold War</li> <li>Cold War</li> <li>Teamwork is critical to success</li> <li>Vietnam War</li> <li>Protests and Sit-Ins</li> <li>Expect loyalty from those they work with</li> <li>Can be less optimistic, cynical, and distrust government</li> <li>Want products and services that show their success</li> <li>Nate of Markes up 28% of Americans</li> <li>Al Work ethic is measured in hours worked</li> <li>Work ethic is measured in hours worked</li> <li>Less importance placed on productivity</li> <li>Cold War</li> <li>Teamwork is critical to success</li> <li>Vietnam War</li> <li>Protests and Sit-Ins</li> <li>Expect loyalty from those they work with</li> <li>Want products and services that show their success</li> <li>Want products and services that show their success</li> <li>Nixon Resignation</li> <li>Self-discovery</li> </ul>				7	
Civil Rights Movement and the Cold War  • Makes up 28% of Americans  • Largest workforce  • Bern during a spike in child births after WWII  • Created the term "workaholic"  • The largest generation  • Single largest economic group  • Sometimes referred to today as "Empty Nesters"  • Makes up 28% of Americans  • Largest workforce  • Less importance placed on productivity  • Cold War  • Less importance placed on productivity  • Cold War  • Cold War  • Walk on the Moon  • Vietnam War  • Vietnam War  • Civil Rights, Worked  • Largest workforce  • Less importance placed on productivity  • Cold War  • Vietnam War  • Protests and Sit-Ins  • Can be less optimistic, cynical, and distrust government  • Want products and services that show their success	Who?	Population	Characteristics	At Work	Historic Events
	Civil Rights Movement and the Cold War  • Born during a spike in child births after WWII  • Created the term "workaholic"  • The largest generation  • Single largest economic group  • Sometimes referred to today as "Empty	Makes up 28% of	<ul> <li>national governments</li> <li>Largest workforce</li> <li>Believe rules should be obeyed unless they are contrary to what they want; then they're to be broken</li> <li>Experimental</li> <li>Individualism</li> <li>Social cause oriented</li> <li>Free spirited</li> <li>Can be less optimistic, cynical, and distrust government</li> <li>Want products and services</li> </ul>	<ul> <li>measured in hours         worked</li> <li>Less importance         placed on         productivity</li> <li>Teamwork is critical         to success</li> <li>Relationship building         is important</li> <li>Expect loyalty from         those they work</li> </ul>	JFK, Robert Kennedy, and Martin Luther King, Jr.  Cold War  Walk on the Moon  Vietnam War  Protests and Sit-Ins  Civil Rights, Women's, and Environmental Movements  Watergate  Nixon Resignation



#### Generation X / Busters (1965-1980)

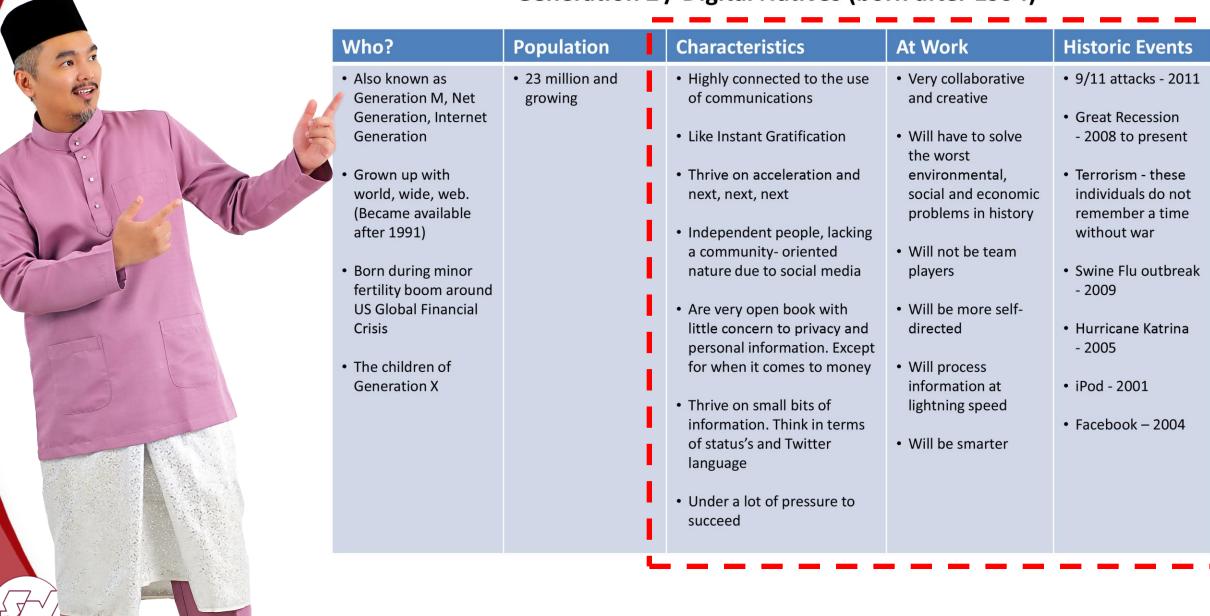
Who?	Population	Characteristics	At Work	Historic Events
• Defined as "slackers"	• 50 million	Quest for emotional security	Casual, friendly work     environment	• AIDS
<ul> <li>They have the "carpe diem" attitude</li> </ul>	<ul> <li>Single parent families</li> </ul>	<ul><li>Independent</li><li>Very self-reliant</li></ul>	Involvement	• End of Cold War
First generation to		• Informality	Flexibility and	• Vietnam
develop ease and comfort with		Entrepreneurial	freedom	Watergate
technology		Expect immediate and	A place to learn	Nixon resignation
<ul> <li>"X" described the lack of identity that</li> </ul>		ongoing feedback and is comfortable giving feedback	<ul> <li>Work smarter, not harder</li> </ul>	• Computers
members of Generation X felt, not	1	to others	Want open	Grunge/Hip-Hop
sure where they belonged		<ul><li>Reject rules</li><li>Mistrust institutions</li></ul>	communication regardless of	• Vietnam
Experienced more		<ul> <li>Believe friends do not equal family</li> </ul>	position, title, or tenure	• MTV
divorces than any other generation		• "Latchkey" kids	Value control of their time	<ul> <li>Challenger explosion</li> </ul>
Had to learn to fend		Multi-taskers		• Fall of Berlin Wall
for themselves		Suspicious of Boomer values	<ul> <li>Look for a person to whom they can</li> </ul>	Reaganomics
		Value family time	invest loyalty, not a company	



#### **Generation Y / Millennials (born 1981-1994)**

Who?	Population	Characteristics	At Work	Historic Events
<ul> <li>Grew up with technology-computers, cell phones, internet, etc.</li> <li>Also known as the "Entitlement" generation</li> <li>Boomer and late X'er parents raised them to be sheltered and to constantly build Millennials' self-esteem</li> <li>Plagued with high levels of student debt</li> <li>Second largest generation to be entering the workforce under the Boomers</li> </ul>	More ethnically and racially diverse than older generations	<ul> <li>Ambitious yet clueless</li> <li>Optimistic</li> <li>Patriotic</li> <li>Impatient</li> <li>Entrepreneurial</li> <li>Individualistic yet grouporiented</li> <li>Want to be like peers but with a unique twist</li> <li>Very informal</li> <li>Busy</li> <li>Short attention span</li> <li>Acknowledge and admire some authorities</li> <li>More culturally and racially tolerant</li> <li>Acceptant of change</li> <li>Un-trusting of "the man"</li> <li>Achievement-oriented</li> <li>Financially savvy</li> <li>Want instant gratification</li> <li>"Everybody wins!"</li> </ul>	<ul> <li>Searches for the individual who will help them achieve their goals</li> <li>Want open, constant communication and positive reinforcement from their boss</li> <li>Search for job that provides great, personal fulfillment</li> <li>Want to be close to their peers</li> <li>Want leadership from bosses and supervisors</li> <li>Look for opportunities to learn</li> <li>Work to live, rather than living to work</li> </ul>	<ul> <li>Oklahoma City bombing</li> <li>Rise of the Internet</li> <li>O.J. Simpson trial</li> <li>Death of Princess Diana</li> <li>CDs/DVDs</li> <li>Columbine shootings</li> <li>Y2K</li> <li>Terrorism</li> <li>Swine flu- 1988</li> </ul>

#### **Generation Z / Digital Natives (born after 1994)**



#### What does Generation Z need to engage in learning?

Ability to express opinions and Flexibility to learn in the way that works best for them.

Access to too much data makes Gen Z go for the quick answer rather than the longer problemsolving approach.

Gen Zs do not take the time to determine the reliability of their information.

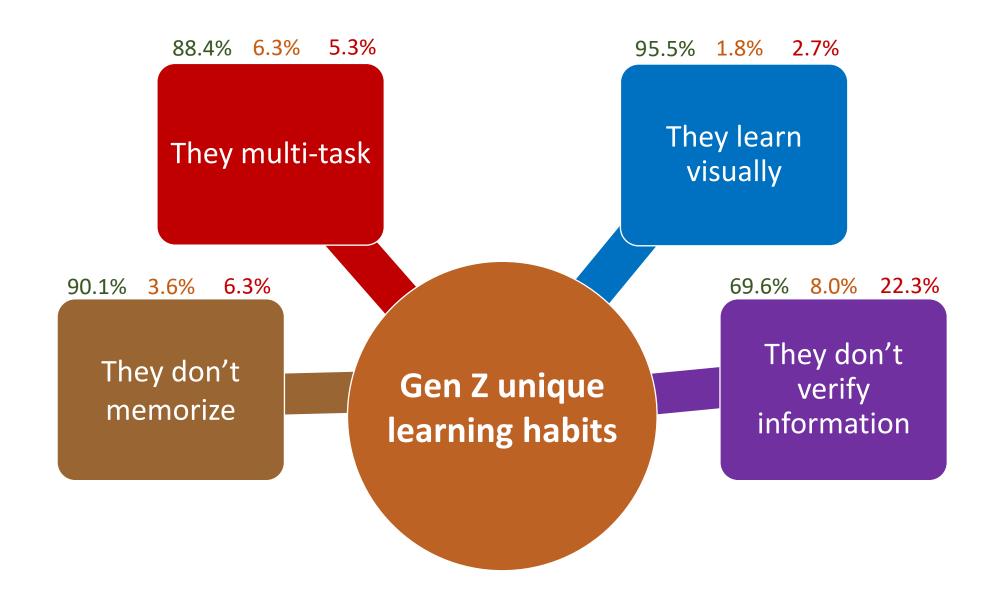
Cheating and hacking are considered brilliant in Gen Z's world, but not so in the education world.

Gen Z must learn to discover, curate, and manage information.

Prefers to work in teams/small groups.



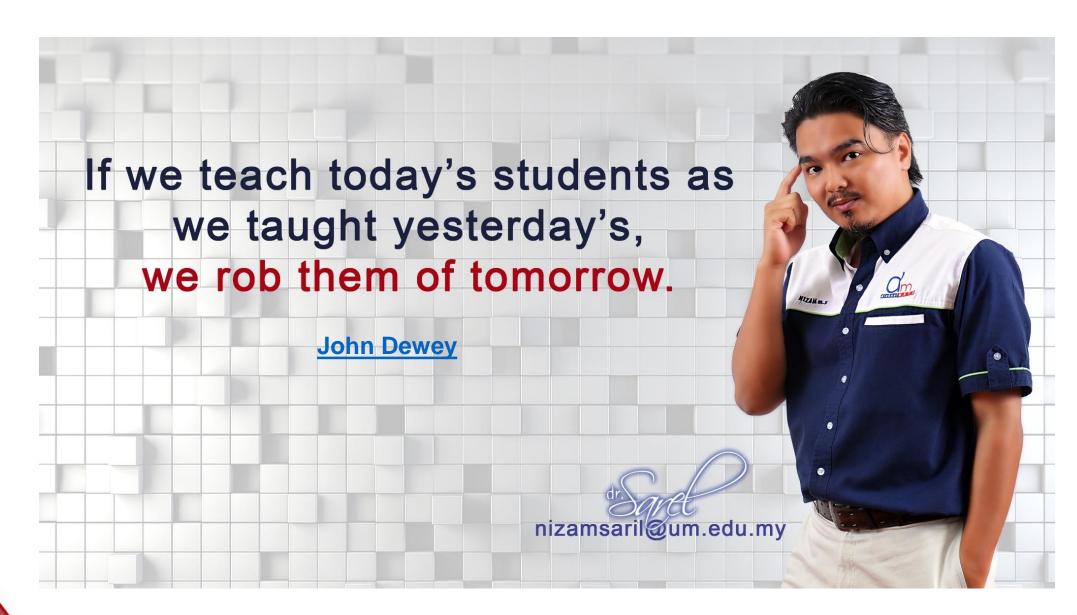
#### Gen Z unique learning habits





#### **How to engage Gen Z**

95.5% 3.6% 0.9% 87.5% 4.5% 8.0% Build a digital presence Provide structure, safe space 3.6% 5.3% 91.1% 90.2% 1.8% 8.0% Make a community commitment Give them a voice 94.6% 4.5% 0.9% 92.9% 2.7% 4.5% **Engage via mobile** Offer flexible scheduling 6.3% 15.2% 78.6% Provide feedback **Celebrate Diversity** 86.6% 3.6% 9.8% 92.0% 3.6% 4.5% Awareness programme **Create teamwork** 



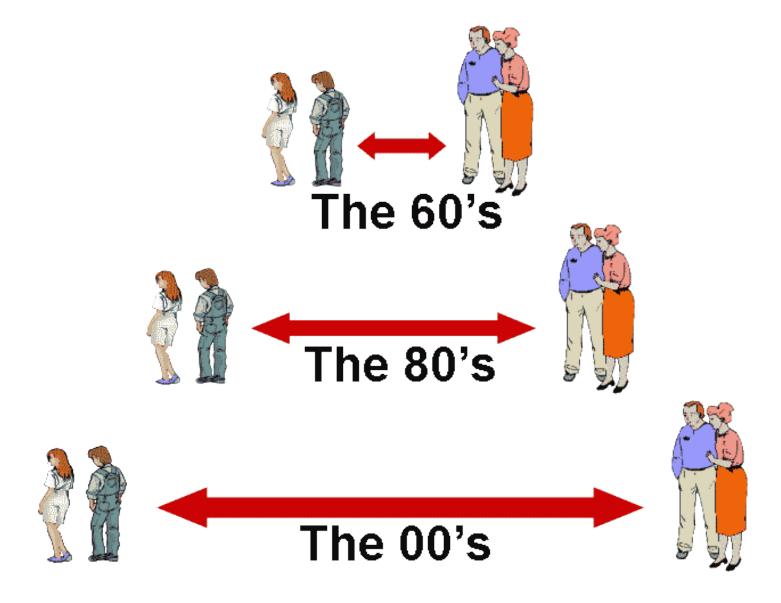


# "Didiklah anak-anakmu, karena mereka akan hidup pada zaman yang berbeza dengan zamanmu,"

-Saidina Umar-



#### Why am I sharing so much about gen Z?





#### Why am I sharing so much about gen Z?

Are we still 100% applying/feed our 'life script' or life format to them?





#### Why am I sharing so much about gen Z?





Note: This material was taken in 2016.



#### Introduction





#### What are digital skills?

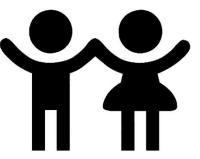


# ARE YOU READY FOR THE DIGITAL FUTURE?



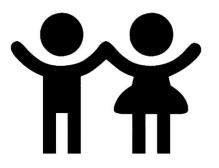
## What are digital skills?







### **Digital Skills**



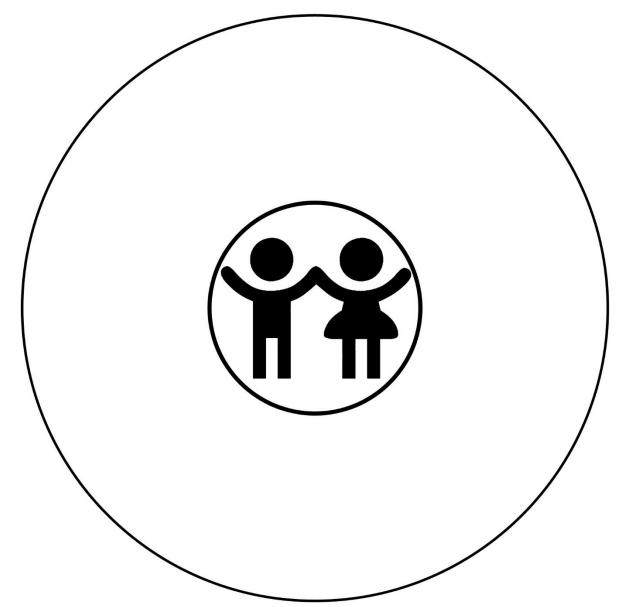


## **Digital Skills**

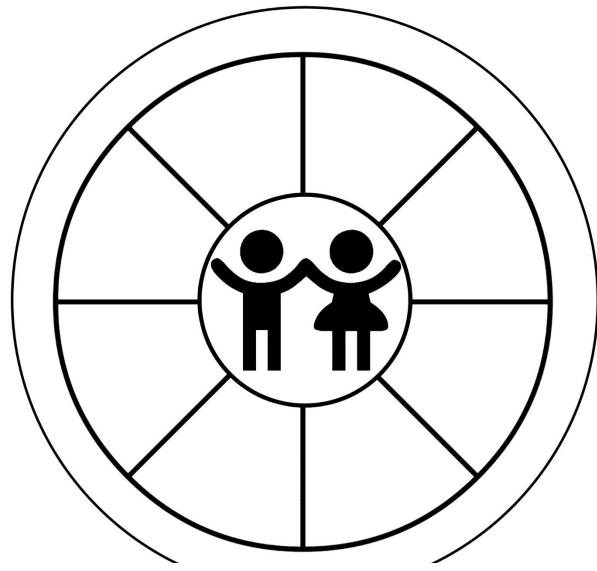


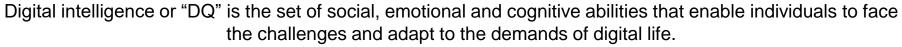


# **Digital Skills**





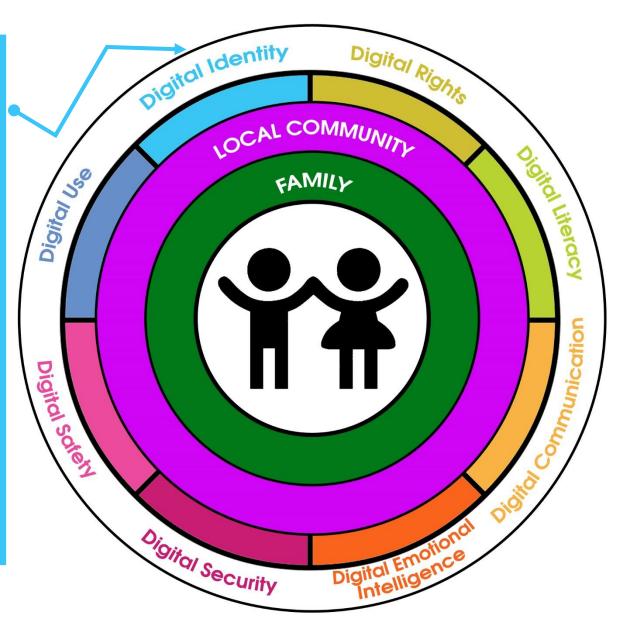




These abilities can broadly be broken down into eight interconnected areas:



- The ability to create and manage one's online identity and reputation.
- This includes an awareness of one's online persona and management of the short-term and longterm impact of one's online presence.

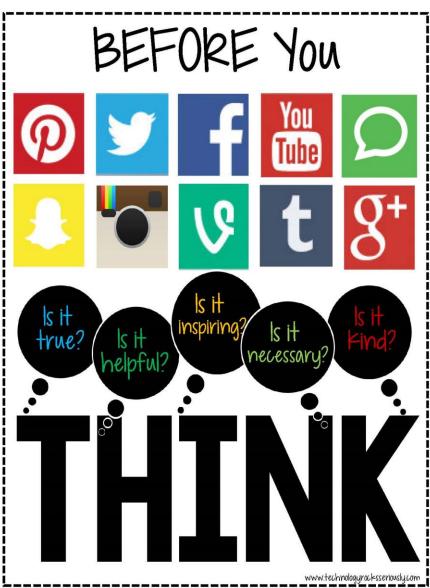




# **Digital Identity**

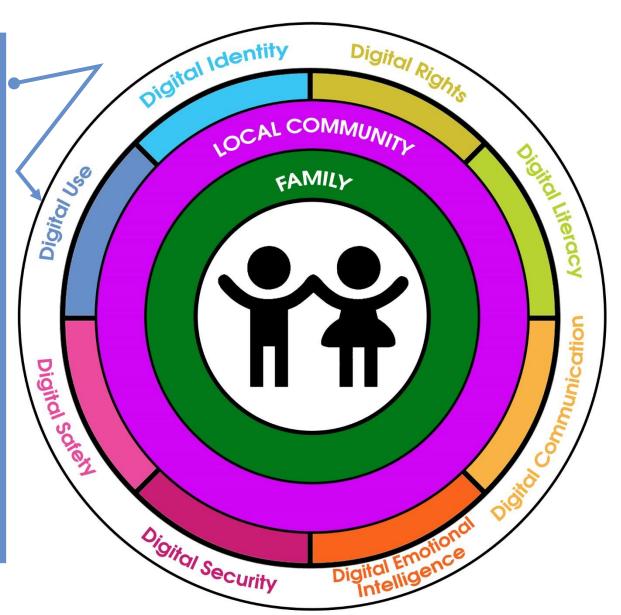
Digital CitizenDigital Co-creatorDigital Entrepreneur







• The ability to use digital devices and media, including the mastery of control in order to achieve a healthy balance between life online and offline.





# **Digital Use**

- Screen Time
- Digital Health
  - Community participation

Force On Neck	10-12lb	27lb	40lb	49lb	60lb
Neck Tilt	0 degrees	15 degrees	30 degrees	45 degrees	60 degrees

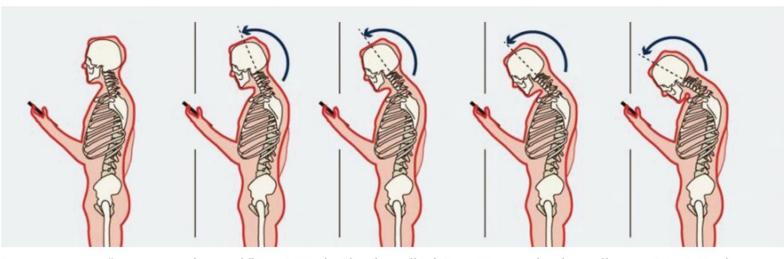


Image source: "Forces on the neck", Text Neck, Physiopedia, https://www.physio-pedia.com/Text\_Neck

#### **EYES OVEREXPOSED:**

START THE CONVERSATION TO REDUCE DIGITAL EYE STRAIN

Digital eye strain is the physical eye discomfort felt by many individuals after two or more hours in front of a digital screen

of Americans use digital devices for two or

of Americans use digital devices for five or more



More than nine out of 10 people with digital eye strain use devices for two or more hours each day.

Use of technology can have unintended consequences for our health.



77% of the individuals who suffer from digital eye strain use two or more devices simultaneously.



76% of Americans look at their digital devices in the hour before going to sleep.



Adults under 30 experience the highest rates of digital eye strain symptoms (73%) compared with



56%

f blue light or the damage it nay cause to their eyes

#1 reason for not wearing computer eyewear: "My eye care provider never recommended them"

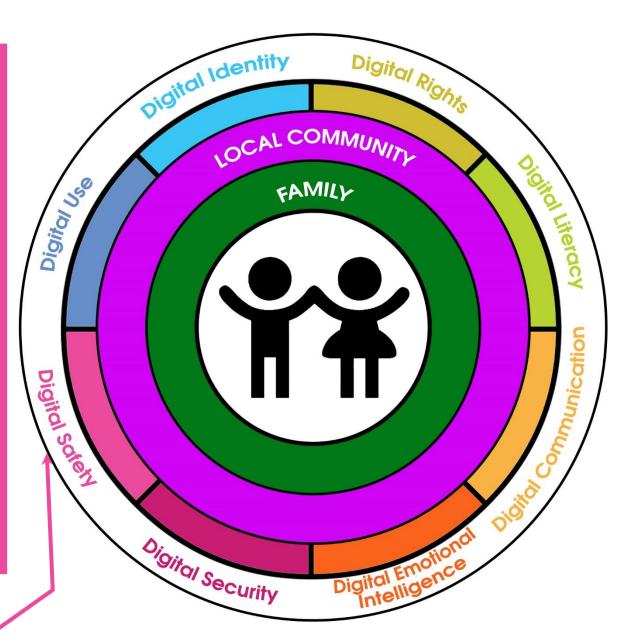


of patients do not talk with their eye care provider about digital device usage.





• The ability to manage risks online (e.g. cyberbullying, grooming, radicalization) as well as problematic content (e.g. violence and obscenity), and to avoid and limit these risks.





# **Digital Safety**

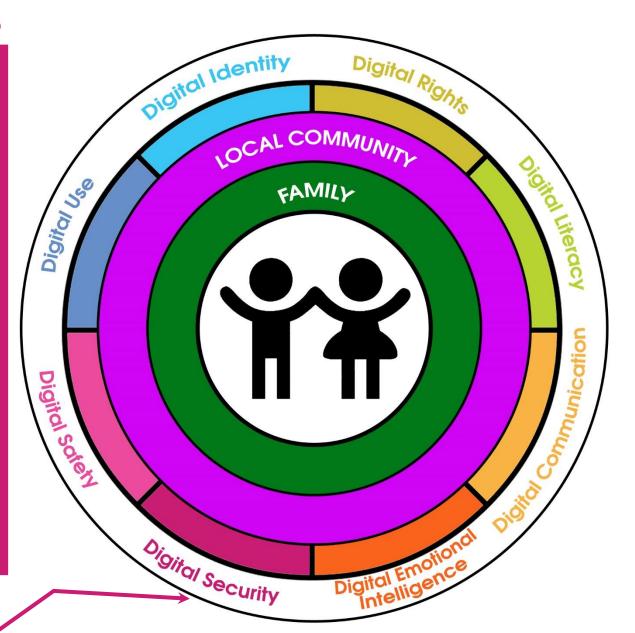
- Behavioural Risks
  - Content Risks
  - Contact Risks







• The ability to detect cyber threats (e.g. hacking, scams, malware), to understand best practices and to use suitable security tools for data protection.





# **Digital Security**

Password Protection Internet SecurityMobile Security

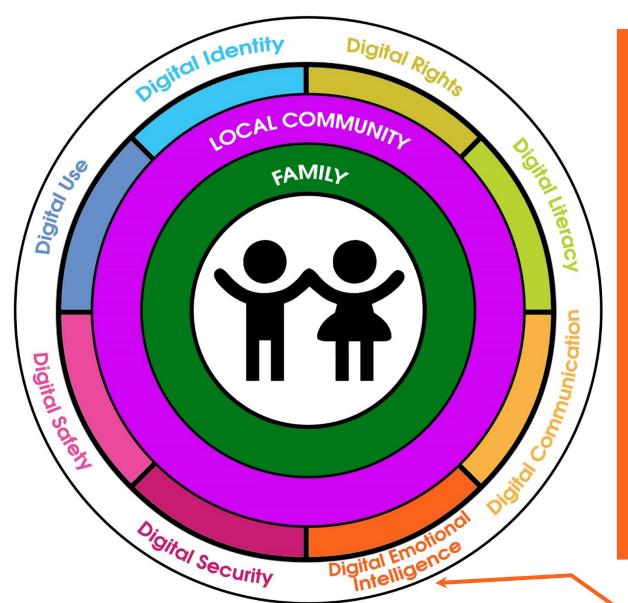
#### Do's

- Only talk to people you know
- Stay away from naughty sites;)
- 3) Stay away from strangers
- Keep everything appropriate
- Ask parents about sites

#### Don'ts

- Do not give any private information
- Do not give friends information
- Do not talk to strangers
- Do not go to non age appropriate websites
- 5) Do not friend people you don'





 The ability to be empathetic and build good relationships with others online.

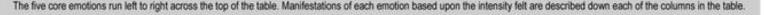


# **Digital Emotional Intelligence**

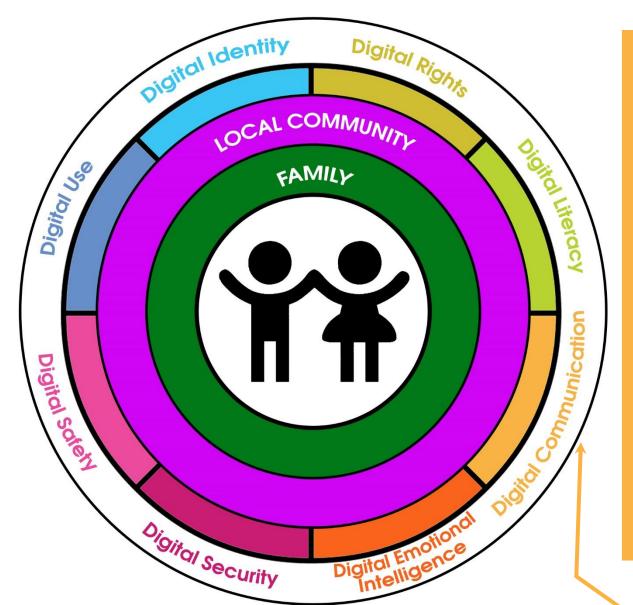
- Social Awareness
- Emotional Awareness
- Empathy & Sensitivity



Intensity of Feelings	HAPPY	SAD	ANGRY	AFRAID	ASHAMED
HIGH	Elated Excited Overjoyed Thrilled Exuberant Ecstatic Fired up Passionate	Depressed Agonized Alone Hurt Dejected Hopeless Sorrowful Miserable	Furious Enraged Outraged Boiling Irate Seething Loathsome Betrayed	Terrified Horrified Scared stiff Petrified Fearful Panicky Frantic Shocked	Sorrowful Remorseful Defamed Worthless Disgraced Dishonored Mortified Admonished
MEDIUM	Cheerful Gratified Good Relieved Satisfied Glowing	Heartbroken Somber Lost Distressed Let down Melancholy	Upset Mad Defended Frustrated Agitated Disgusted	Apprehensive Frightened Threatened Insecure Uneasy Intimidated	Apologetic Unworthy Sneaky Guilty Embarrassed Secretive
LOW	Glad Contented Pleasant Tender Pleased Mellow	Unhappy Moody Blue Upset Disappointed Dissatisfied	Perturbed Annoyed Uptight Resistant Irritated Touchy	Cautious Nervous Worried Timid Unsure Anxious	Bashful Ridiculous Regretful Uncomfortable Pitied Silly







 The ability to be empathetic and build good relationships with others online.



# **Digital Communication**

Online CollaborationDigital Footprints

## What is a digital footprint?

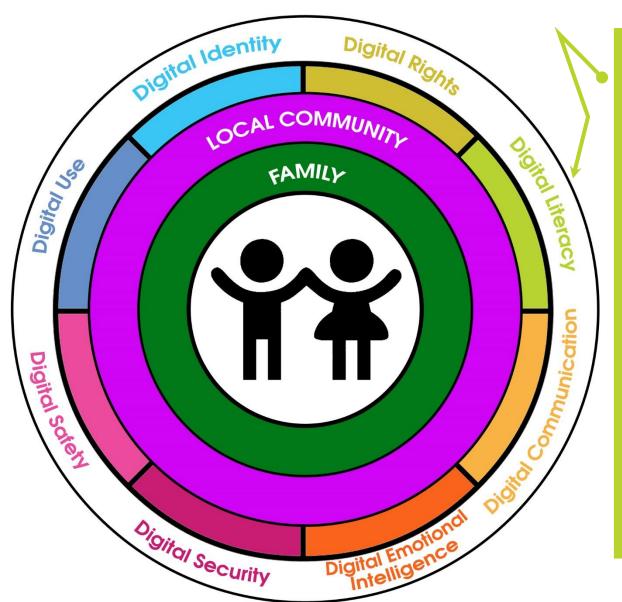
 A digital footprint is an online footprint in which people can look at what you have done. Whether is was just adding pictures to Facebook or joining a forums, someone is able to track what you have done. Everyone and anyone has a digital footprint, whether they know it or not.











 The ability to find, evaluate, utilize, share and create content as well as competency in computational thinking.

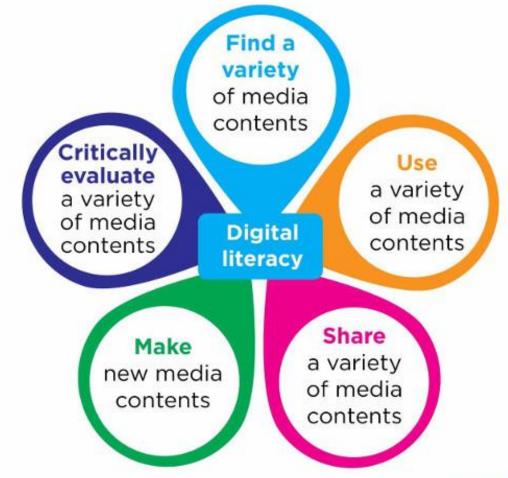


# **Digital Literacy**

Computational Thinking Content CreationCritical Thinking

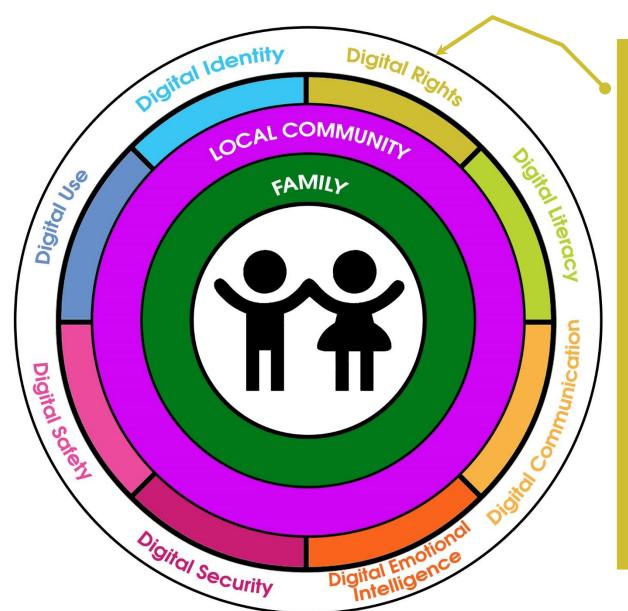
#### WHAT IS DIGITAL LITERACY?

Digital literacy is the ability to use technological tools, understand how they work and, at the highest level, the aptitude to create new technological tools and services.







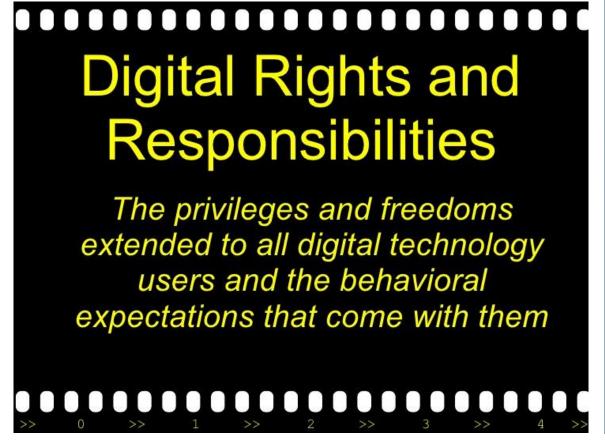


 The ability to understand and uphold personal and legal rights, including the rights to privacy, intellectual property, freedom of speech and protection from hate speech.



# **Digital Rights & Responsibilities**

- Freedom of SpeechPrivacy
  - Intellectual Property Rights

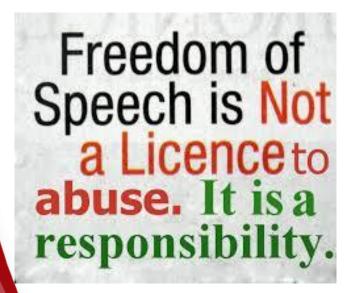




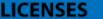


# Digital Rights & Responsibilities

- Freedom of Speech Privacy
  - Intellectual Property Rights















Others can copy, distribute, display, perform and remix your work if they credit your name as requested by you

TERMS



#### **No Derivative Works**

Others can only copy, distribute, display or perform verbatim copies of your work



### **Share Alike**

Others can distribute your work only under a license identical to the one you have chosen for your work





#### Non-Commercia







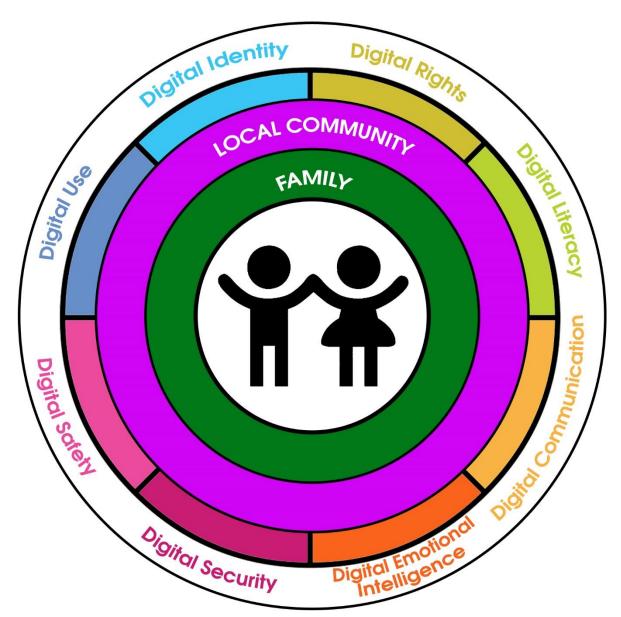




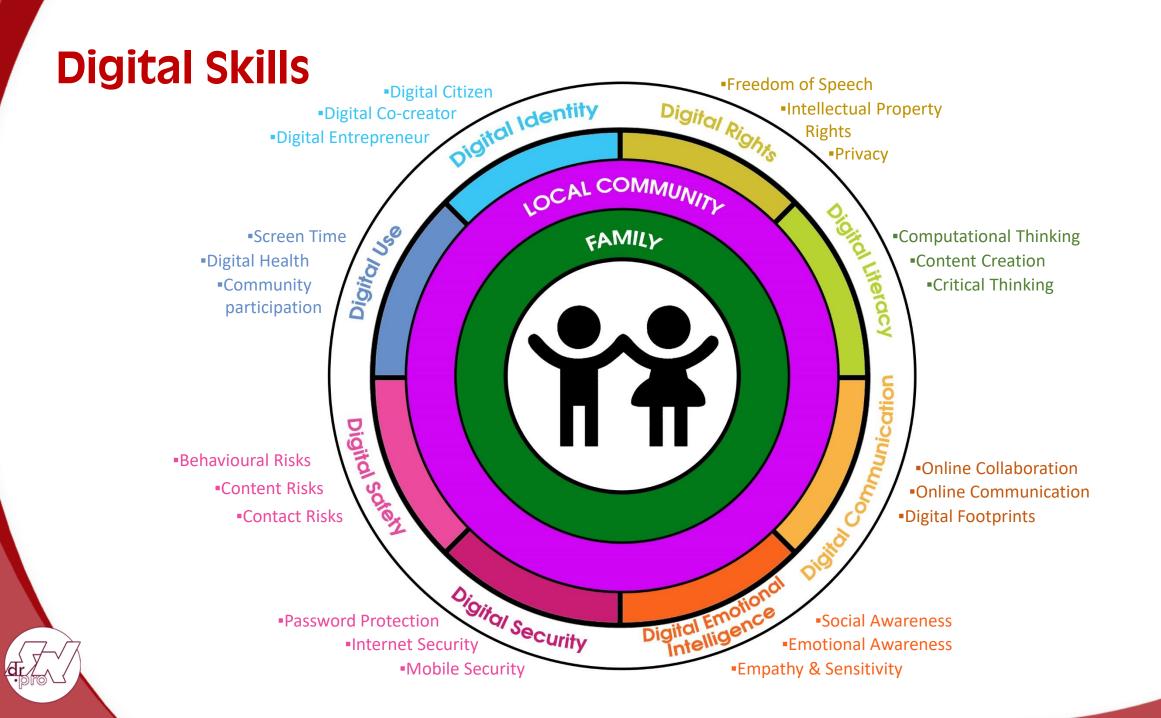






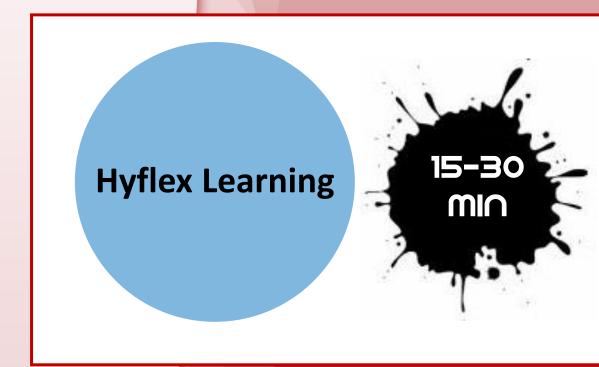






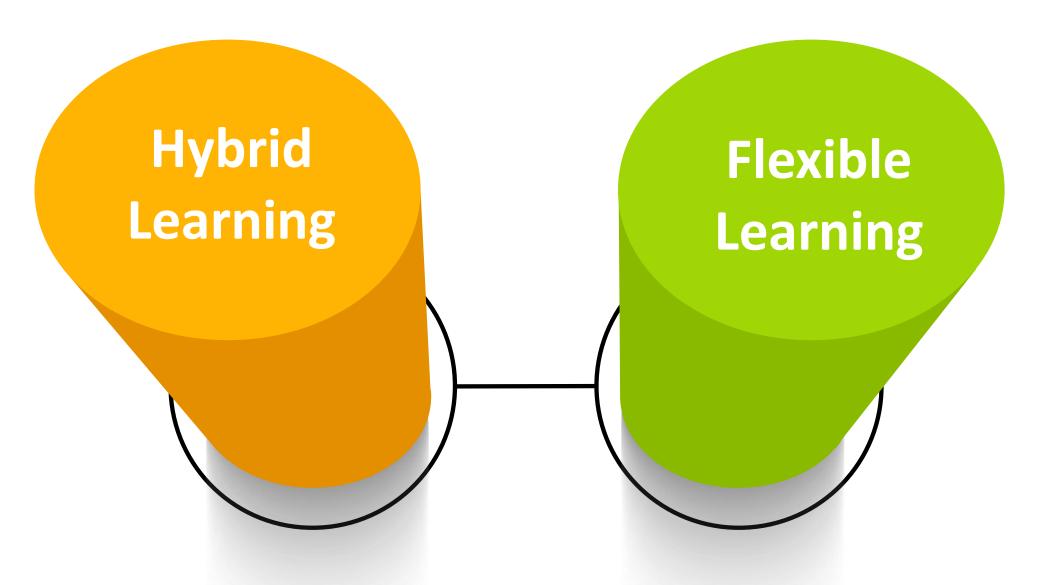
# ROUND







# **What is Hyflex Learning?**





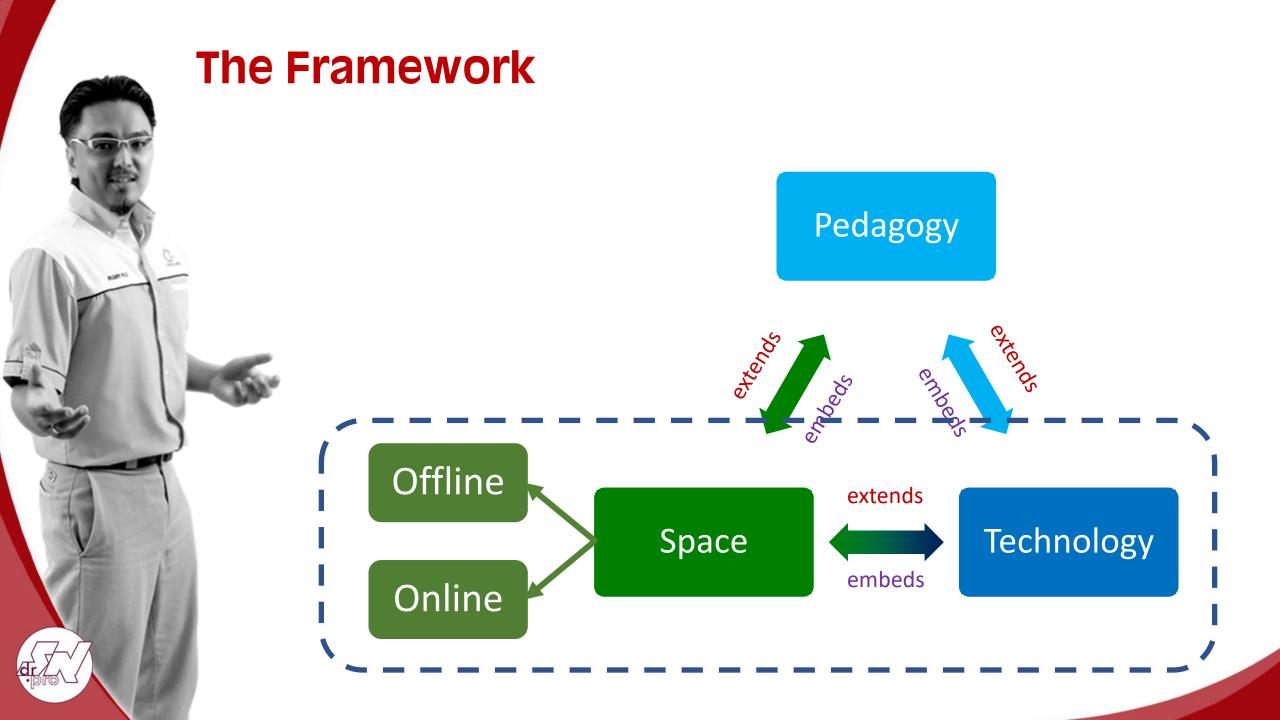
## What is Hybrid Learning?

Hybrid Learning

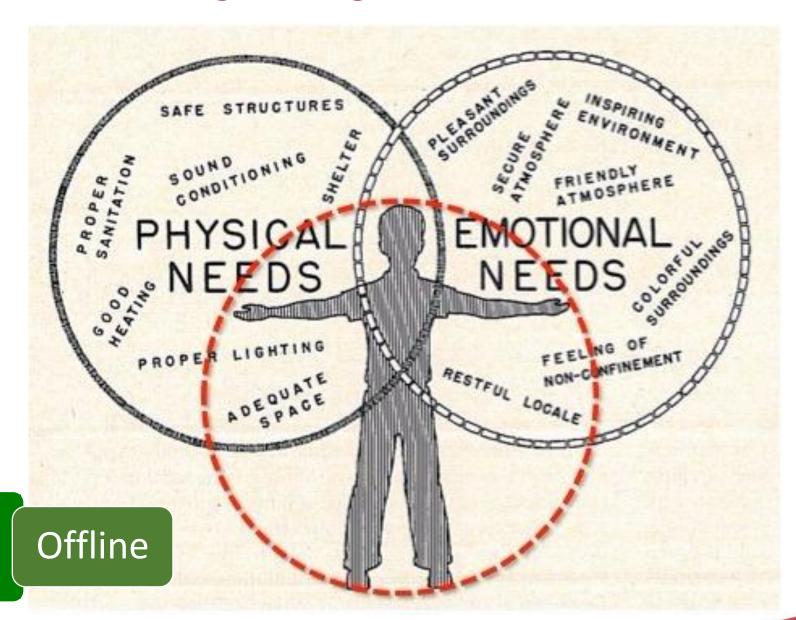
Human Factor

Technology Factor





# **VMDO** Architects' Design Diagram



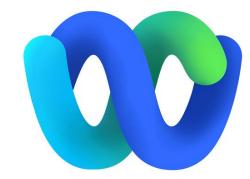


Space

# **Online Engagement**











Space

Online

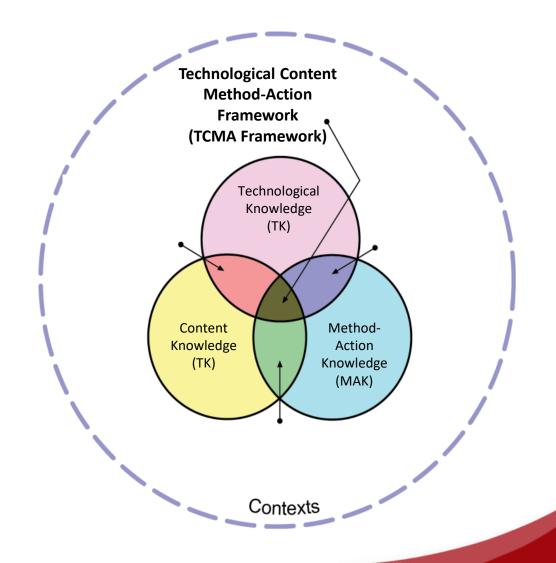
# TCMAK Framework (Technological Content Method-Action Knowledge Framework)

Three primary forms of knowledge:

Technology (TK)

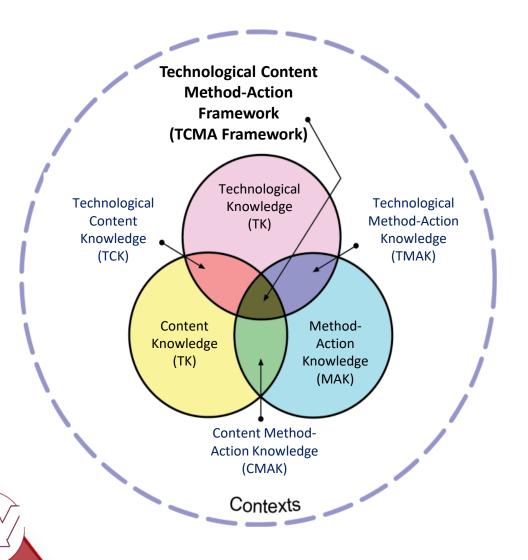
Content (CK)

Method-Action (MAK)





# TCMAK Framework (Technological Content Method-Action Knowledge Framework)



The TCMA framework goes further by emphasizing the kinds of knowledge that lie at <u>the intersections</u> between three primary forms:

Technological
Content Knowledge
(PCK)

Technological Method-Action Knowledge (TMAK)

Content Method-Action Knowledge (TCK)

# **Conventional Learning**



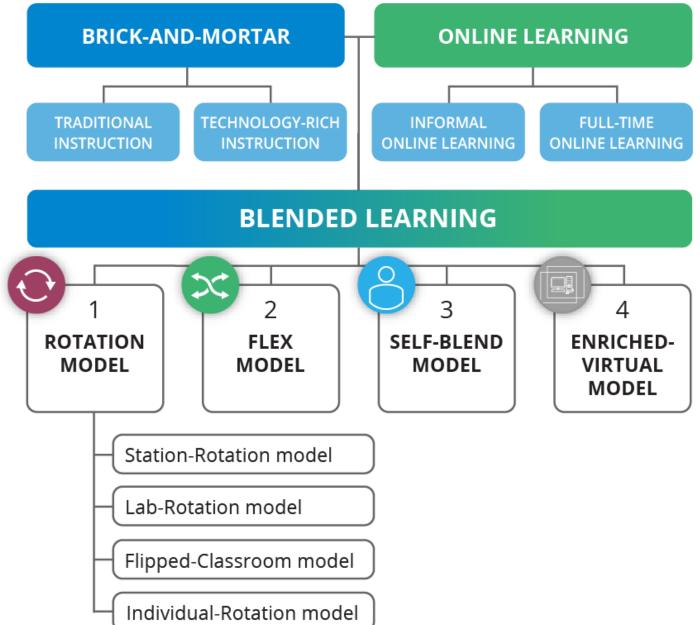
Learning Materials



# **Blended Learning** Combine 2 components Curriculum ICT

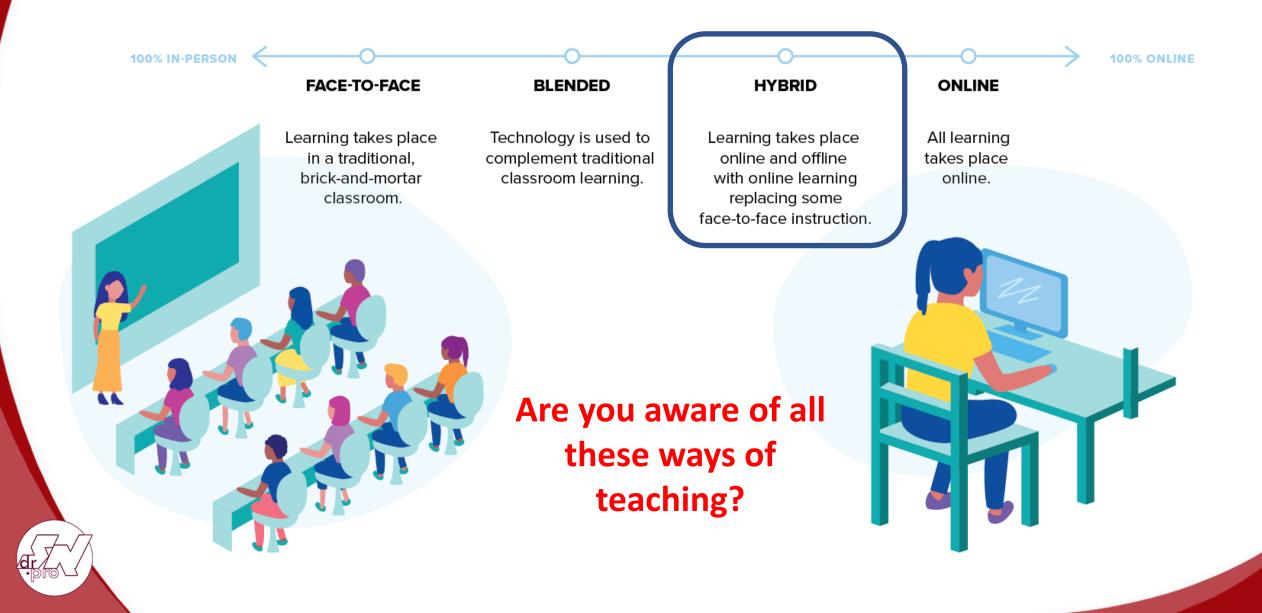


# **Blended Learning**



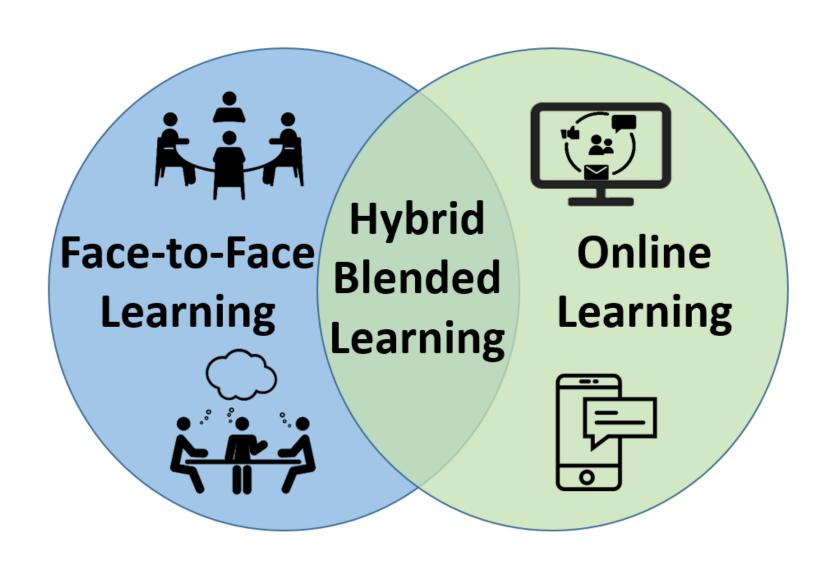


# The Path to Our Teaching Progress



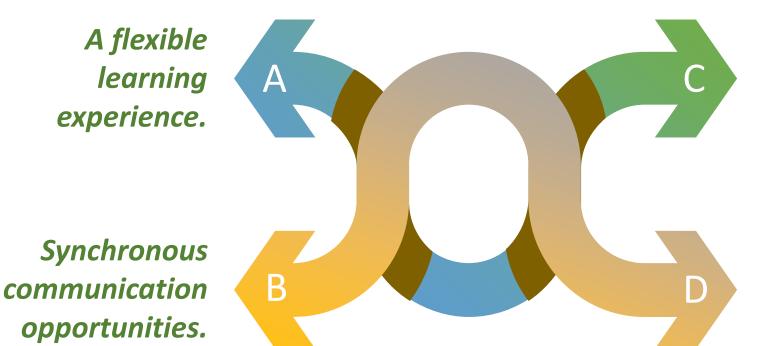
# **Hybrid Learning**

A model of course design that combines traditional, face to face class time with online and out-of-class course work.





# **Benefits of Hybrid Learning**



The freedom of independent academic exploration.

More efficient use of resources.



# **Hybrid Learning**

A model of course design that combines traditional-face to face class time with online and out-of-class course work.



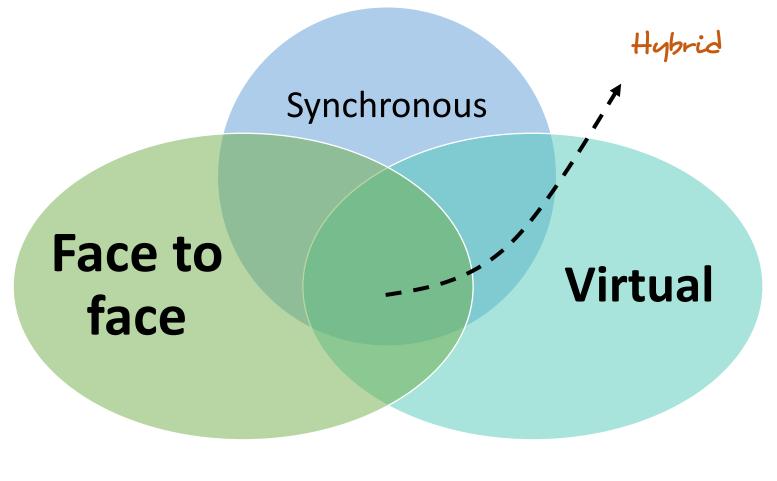


Offline learning





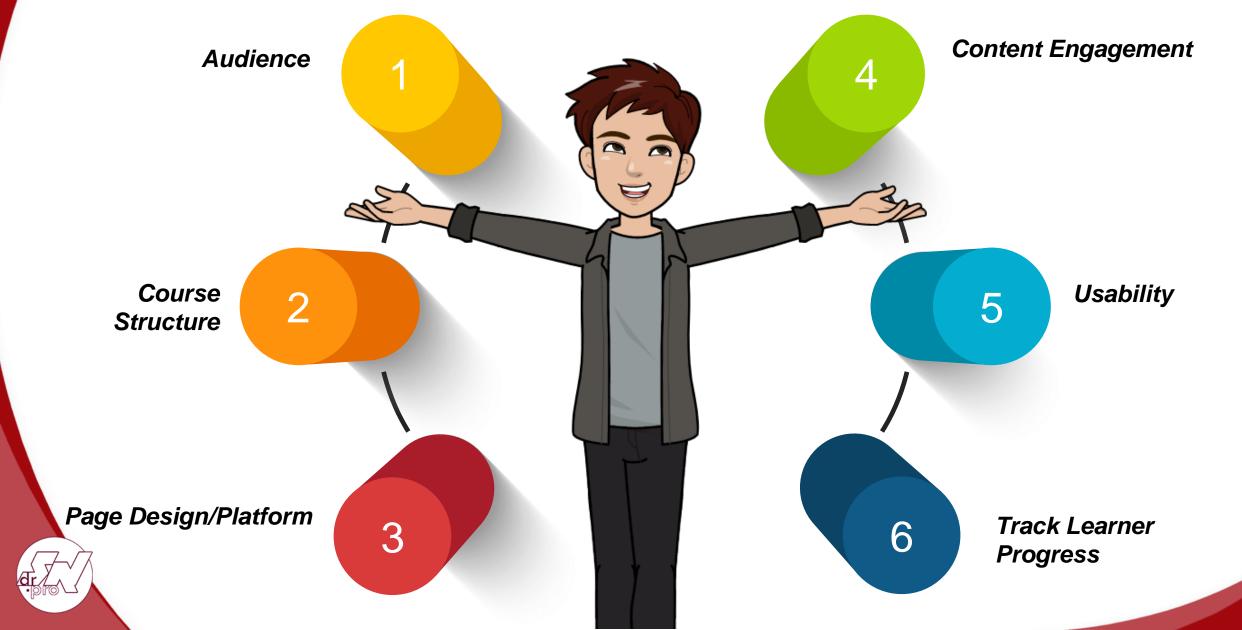
# The Path to Hybrid Learning







#### **Online Learning Components**





### The Previous Project in Faculty of Education (Learning Studio: In TecPro-2018 project)



This learning space designed for educators to share and discuss with/among students. The difference is that each of these discussions will be recorded live so that students who cannot attend will be able to participate in the discussion. Each of these sessions will be archived as a collection of teaching materials (in video form) for future generations (just like a reference book)



### The Previous Project in Faculty of Education (Learning Studio: InTecPro-2018 project)



#### InTecPro (Instructional Technology Production Learning Studio)

Learning Studio is a space like a recording studio where students are allowed to / can produce more commercial assignments.



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The Production



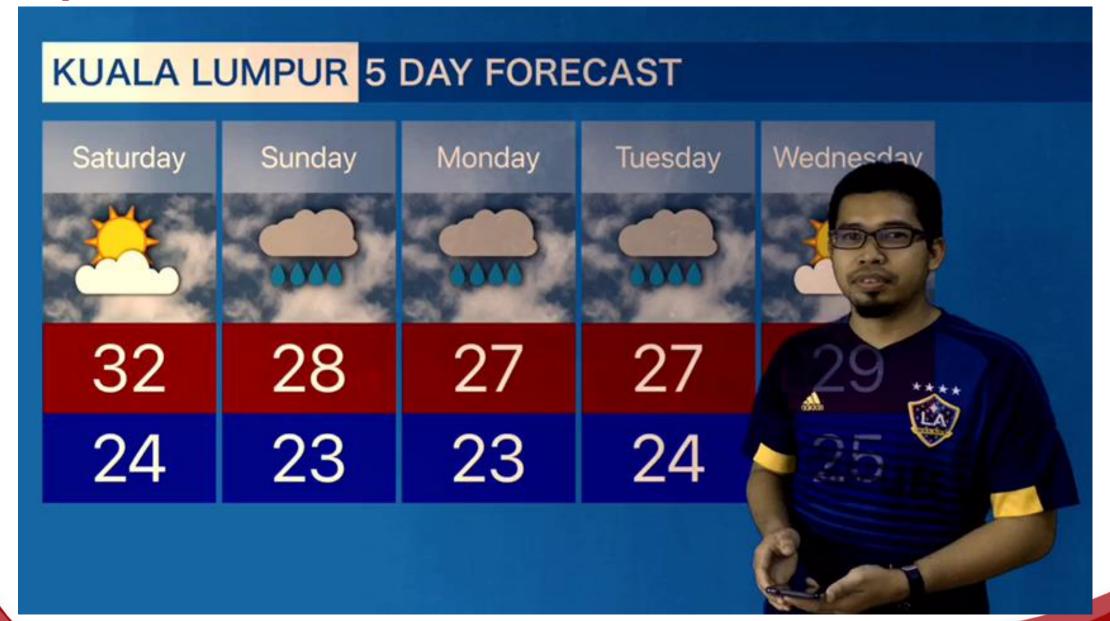


#### **Example**





#### Output





#### **Example Proven+Successful Commercial Project**







#### **Example Proven+Successful Academic Project**



## What is Flexible Learning? Flexible Learning

Lifelong learning skills

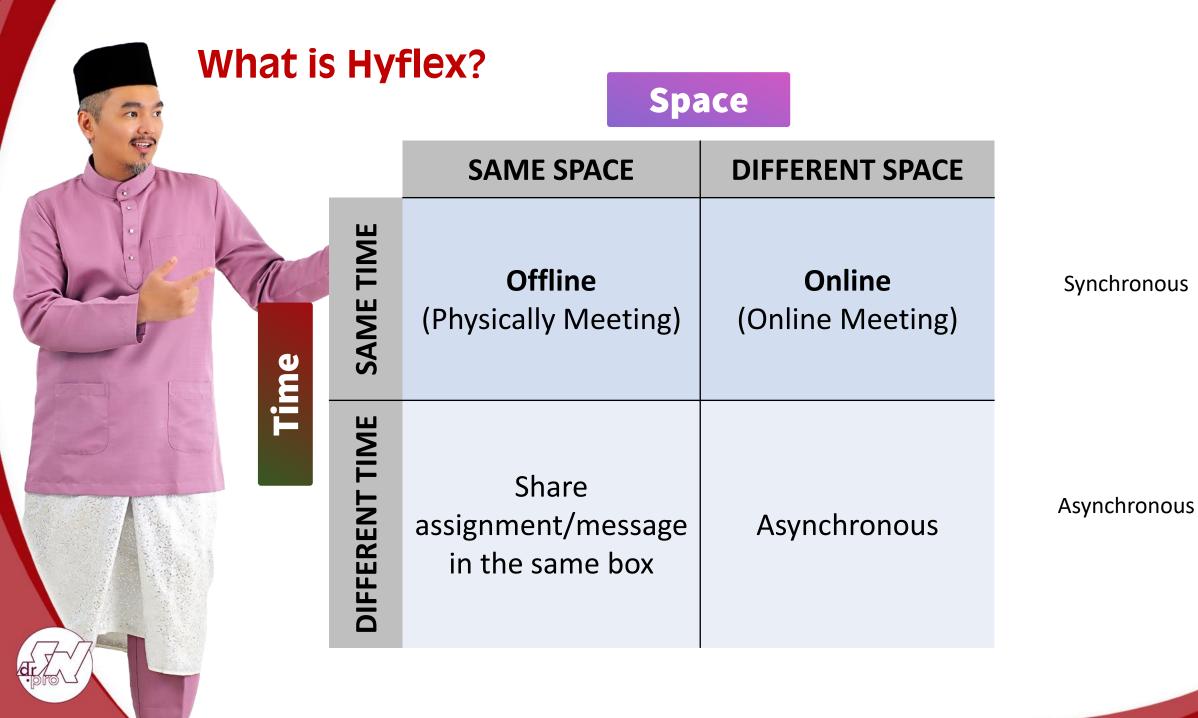
Contextualized Learning

Flexible Learning

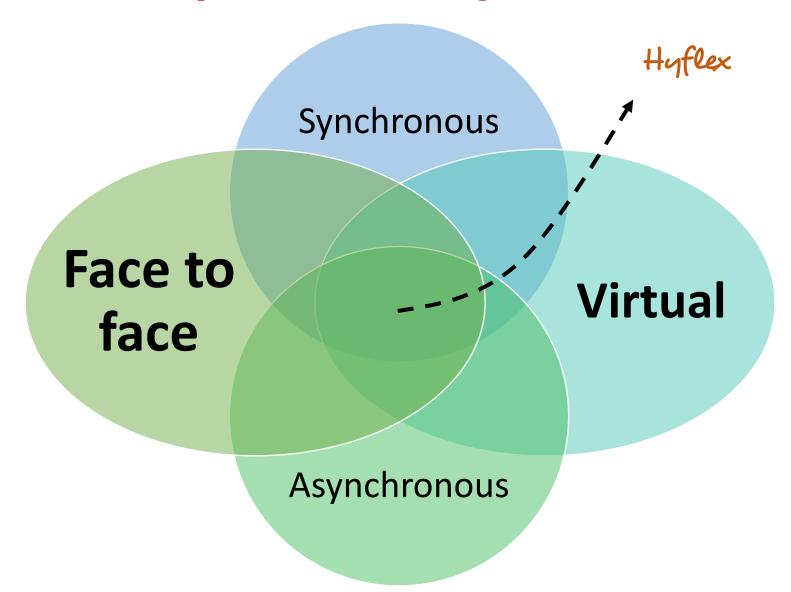
Integrated **Opportunities** 

Student **Empower** ment

Holistic Capabilities



#### The Path to Hyflex Learning







#### Why we need to offer Hyflex Learning



#### The Foundation of Future Workforce



What is the direction of your character's role in this life?

Pilot • Copilot • Passenger

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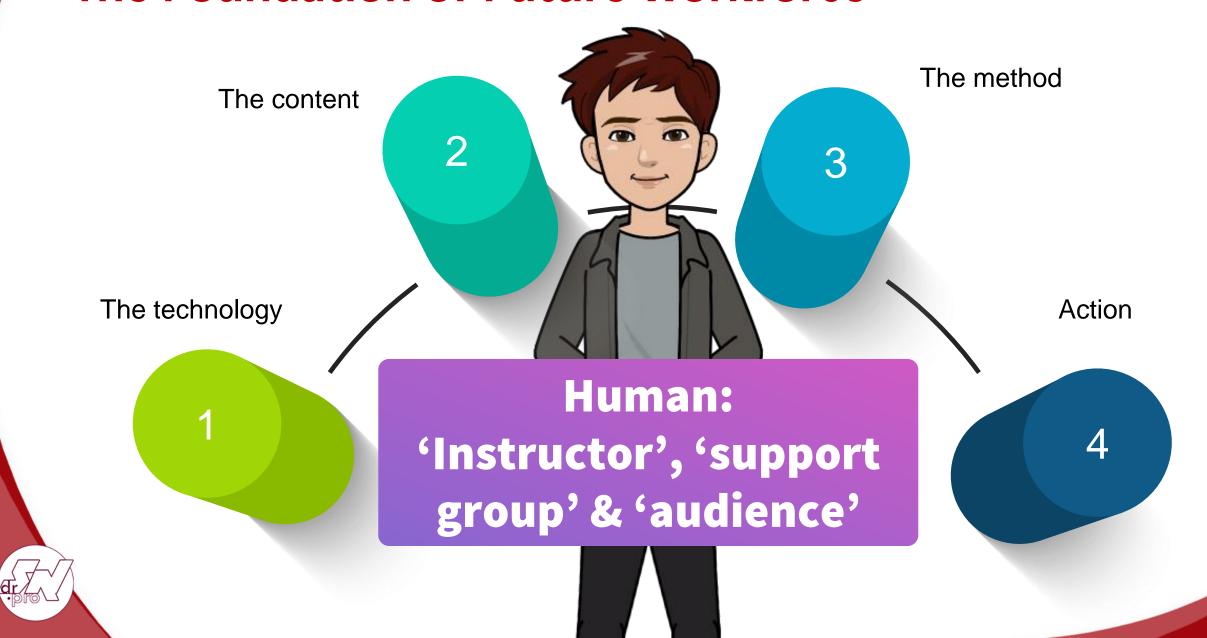






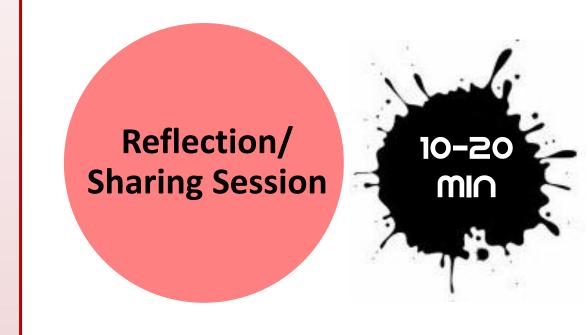


#### The Foundation of Future Workforce



## ROUND





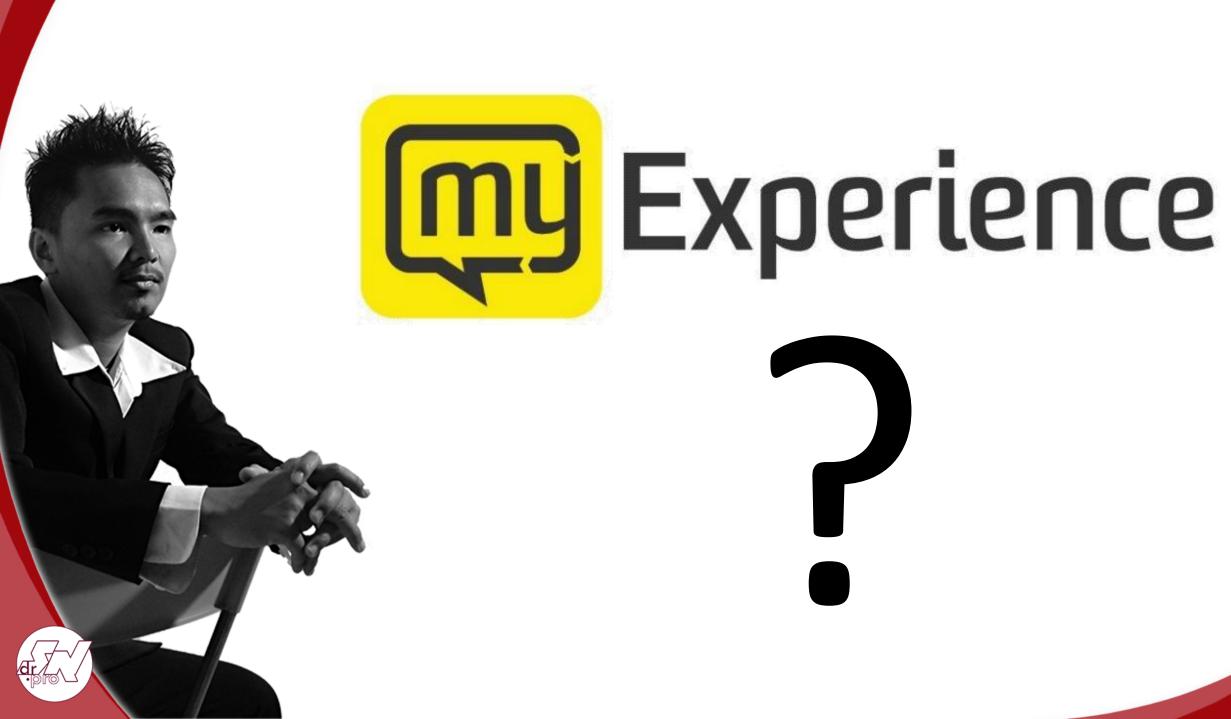




## Reflection/ Sharing Session



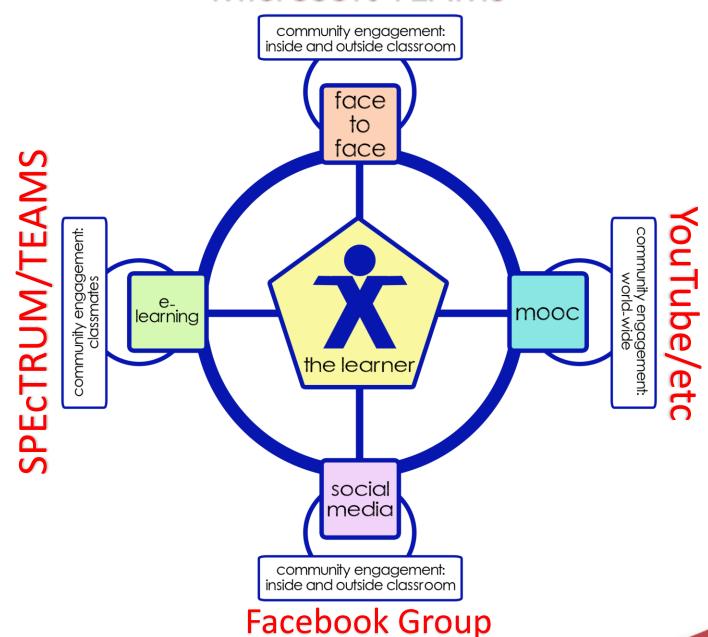




## Online Learning Ecosystem



#### Microsoft TEAMs









## BESTWAY PREDICT THE FUTURE ——— IS TO ———

CREATEIT



There are only two options: make progress or make excuses.

I hope this sharing will give us new ideas in maximizing the potential of our KESAN to improve our educational practices.





















