

21st Century Learning

by

Mr. Liman Anthony

Specialist,

Training Programme Division

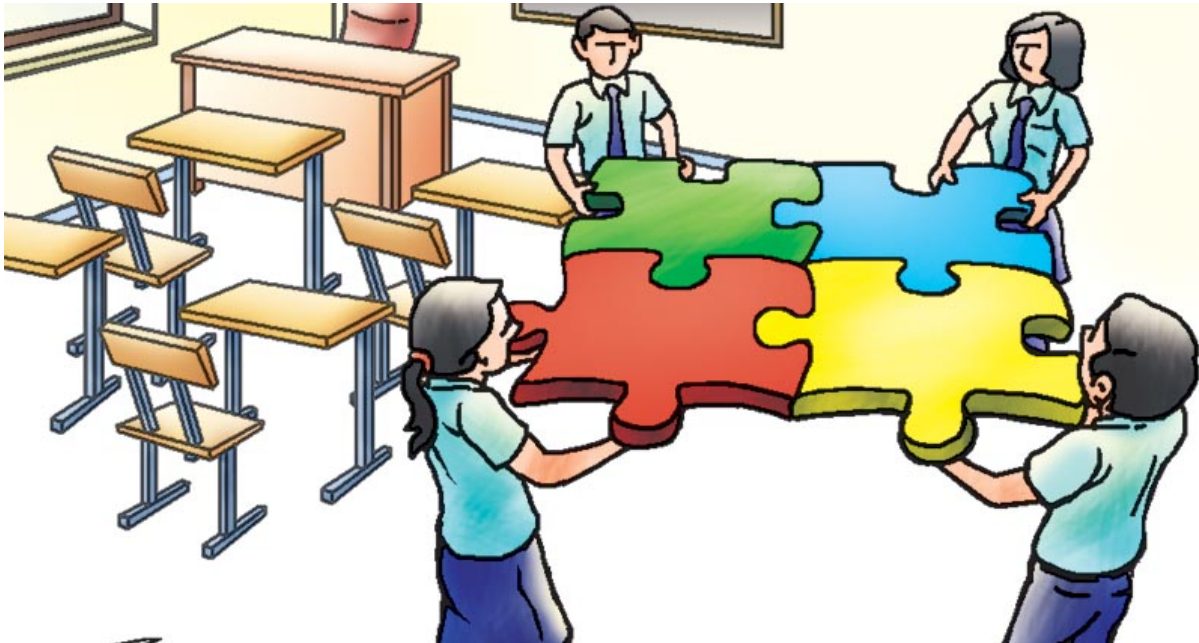
SEAMEO RECSAM

liman.anthony@yahoo.com



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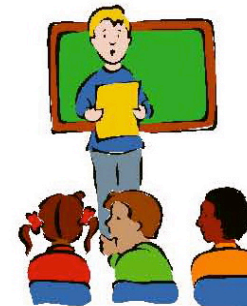
2 Minutes TIMER



Think



Pair



Share

Education has gone through 3 phases:

i. Apprenticeship

- lasted until the 19th century



ii. Universal Schooling

- in the 20th century



iii. Life Long Learning

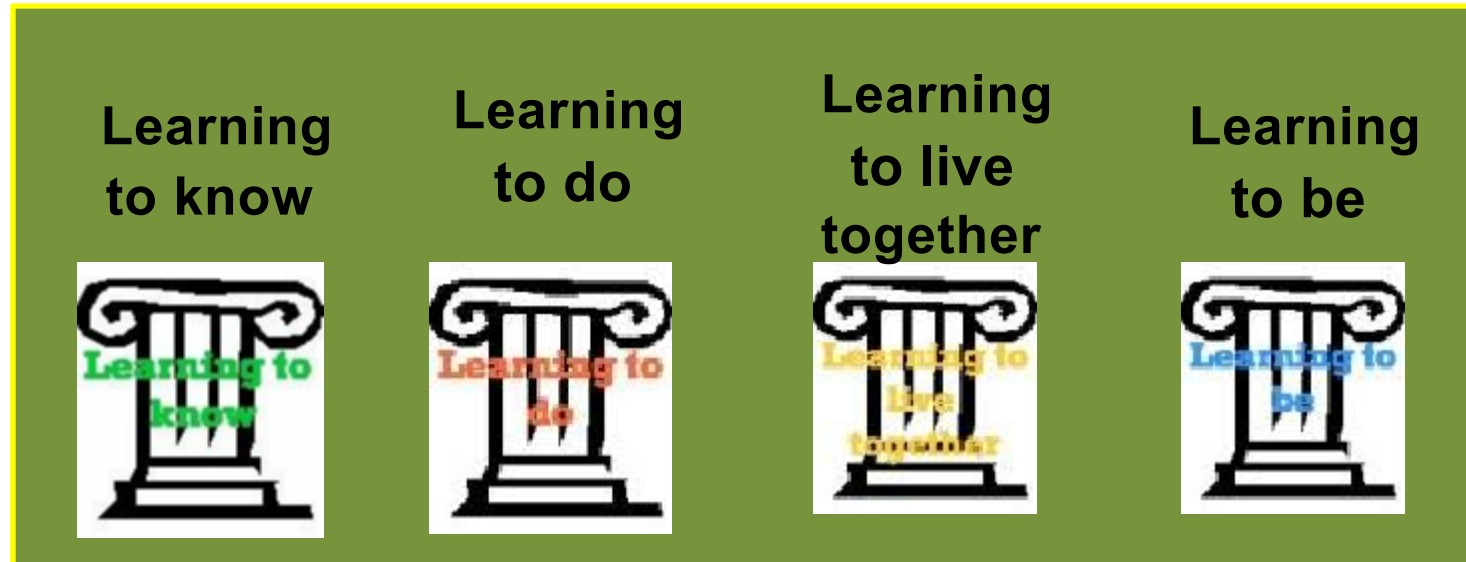
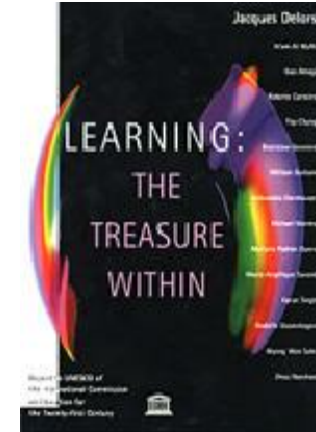
- taking place.



Source: Collins A. & Halverson, R. (2009) *Rethinking Education in the Age of Technology: The Digital Revolution and the Schools*. New York: Teachers College Press.

The Four Pillars of Learning (1)

- In *Learning: The Treasure Within* (1996)
 - the report to UNESCO of the International Commission on Education for the Twenty-first Century (under the leadership of Jacques Delors, the former president of the European Commission)
- **Education throughout life** is based on 4 pillars:



The Four Pillars of Learning (2)

Learning to know:

- to provide the **cognitive tools** required to better comprehend the world and its complexities, and
- to provide an appropriate and adequate **foundation for future learning**.

Learning
to know



Learning
to do



Learning
to live
together



Learning
to be



The Four Pillars of Learning (3)

Learning to do:

- to provide the **skills** that would enable individuals to effectively participate in the global economy and society.

Learning
to know



Learning
to do



Learning
to live
together



Learning
to be



The Four Pillars of Learning (4)

Learning to live together :

- to expose individuals to the **values** implicit within human rights, democratic principles, intercultural understanding and **respect and peace** at all levels of society and human relationships to enable individuals and societies to live in **peace and harmony**.

Learning
to know



Learning
to do



Learning
to live
together



Learning
to be



The Four Pillars of Learning (5)

Learning to be:

- to provide **self analytical and social skills** to enable individuals to develop to their fullest potential psycho-socially, affectively as well as physically, for an **all-round complete person**.

Learning
to know



Learning
to do



Learning
to live
together

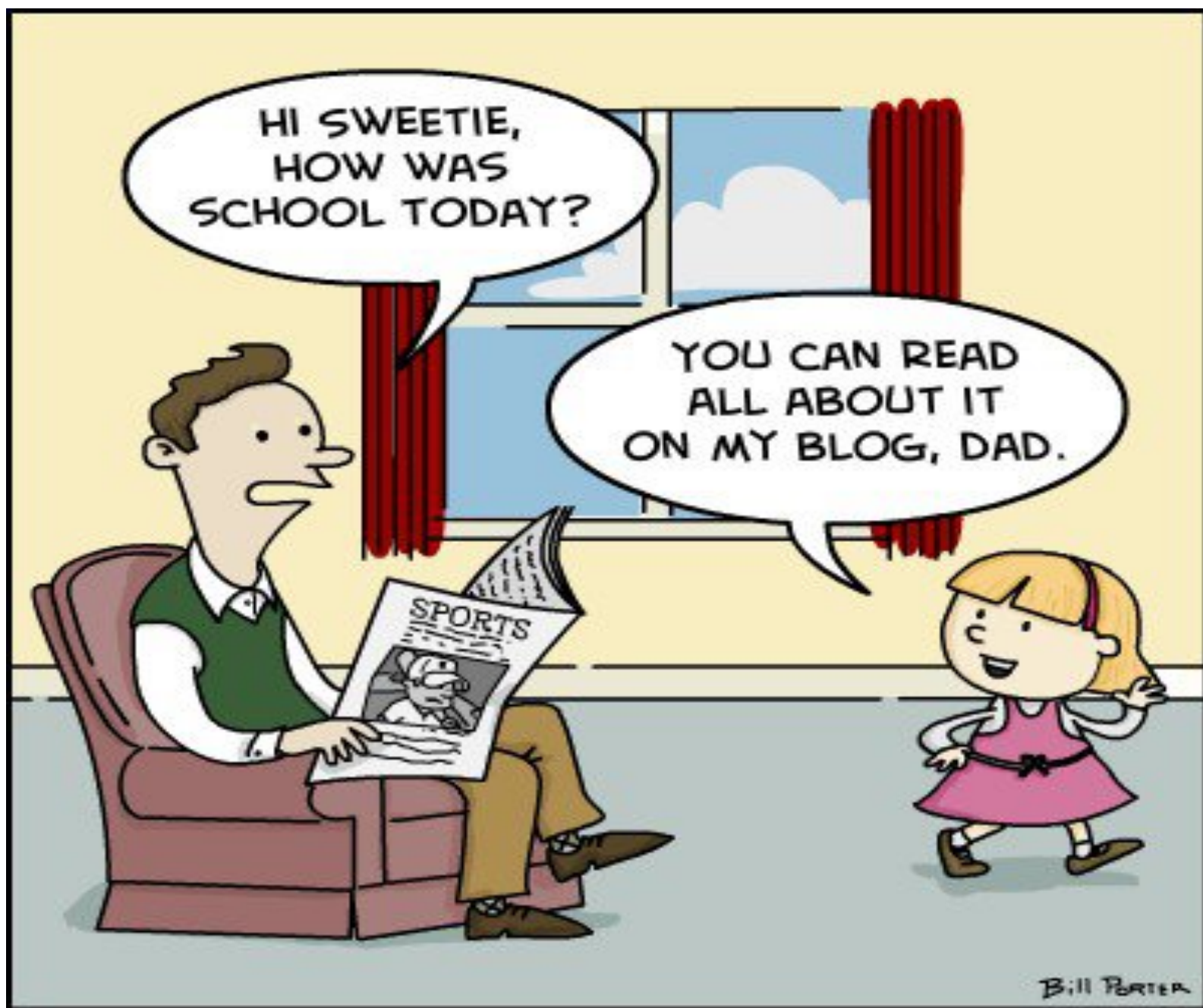


Learning
to be



HI SWEETIE,
HOW WAS
SCHOOL TODAY?

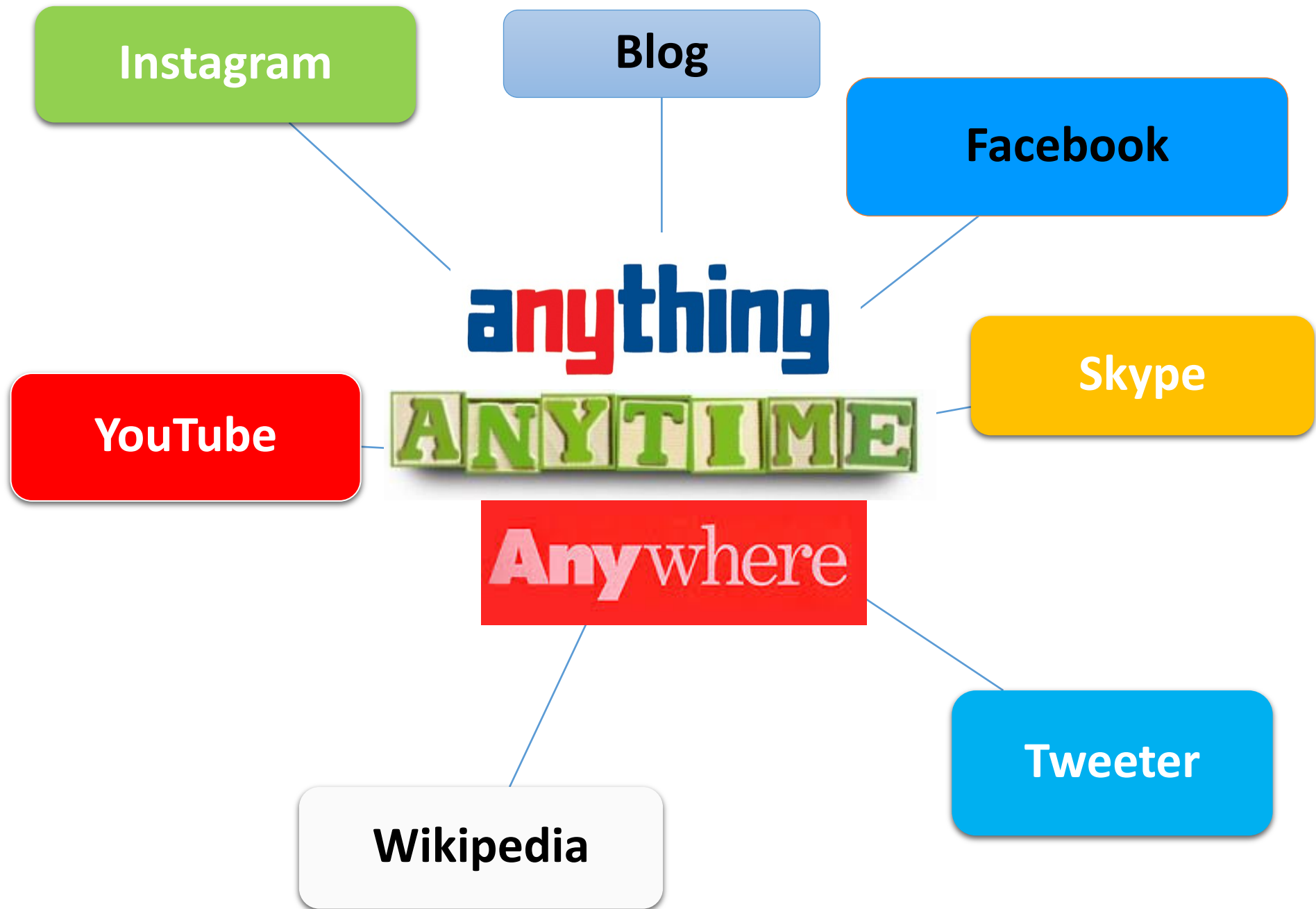
YOU CAN READ
ALL ABOUT IT
ON MY BLOG, DAD.



Our world is changing..

- We can instantly **communicate**
- We are more **connected** to more people
- There is **virtually limitless** information: whatever, whenever, wherever



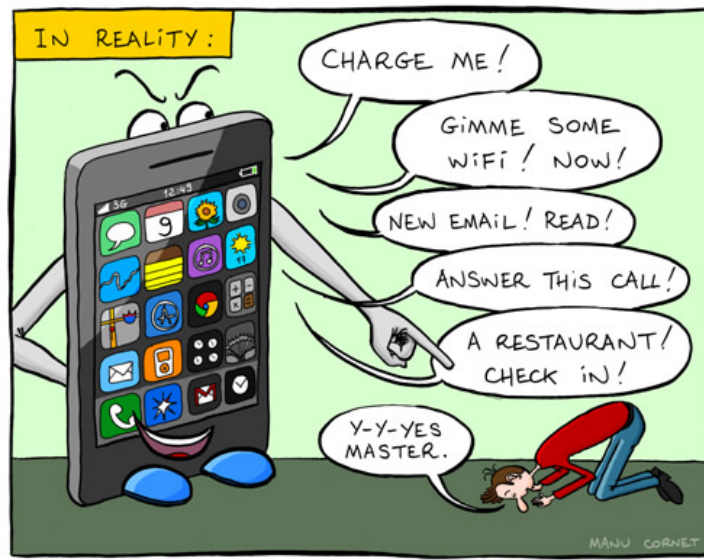
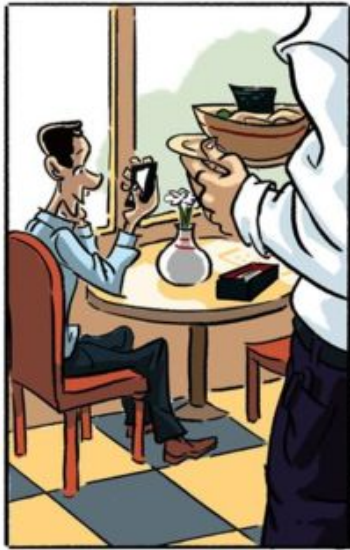


Go home
teacher

Are you married to your smartphone?

TU PEUX ME PASSER
L'APPLICATION BEURRE -
CONFITURE S'IL TE PLAÎT ?





Access to information



- Children know how to use a search engine - access is no longer an issue



BUT children can't:

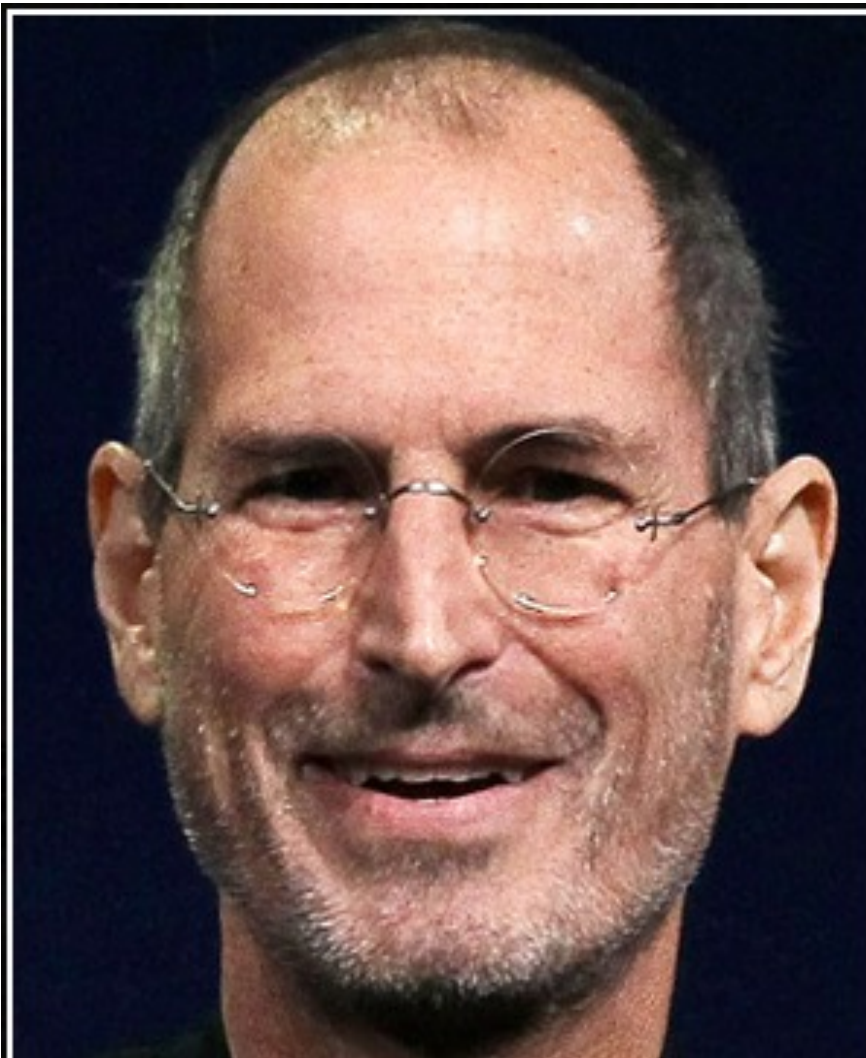
- Get Critical information
- Synthesize information
- Evaluate information





Evaluate websites—is the information... Current?
Biased? Based on Facts?

Do we need to change?



For the past 33 years, I have looked in the mirror every morning and asked myself: 'If today were the last day of my life, would I want to do what I am about to do today?' And whenever the answer has been 'No' for too many days in a row, I know I need to change something.

— Steve Jobs —

Discuss in group: 21st Century Learning

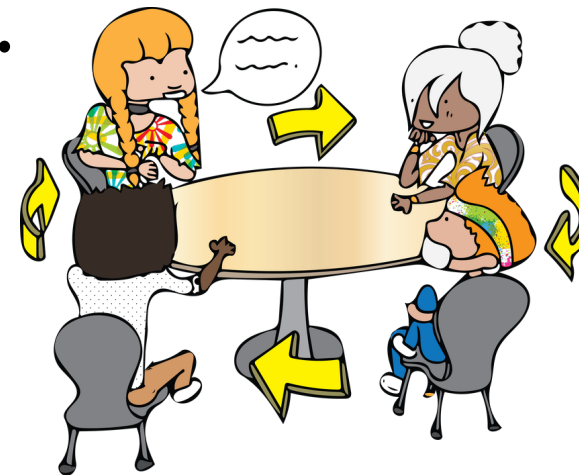
- Form a group of 3 or 4 person.
- Choose a group leader and assign task to each of the member in the group.

Material Manager

Presenter

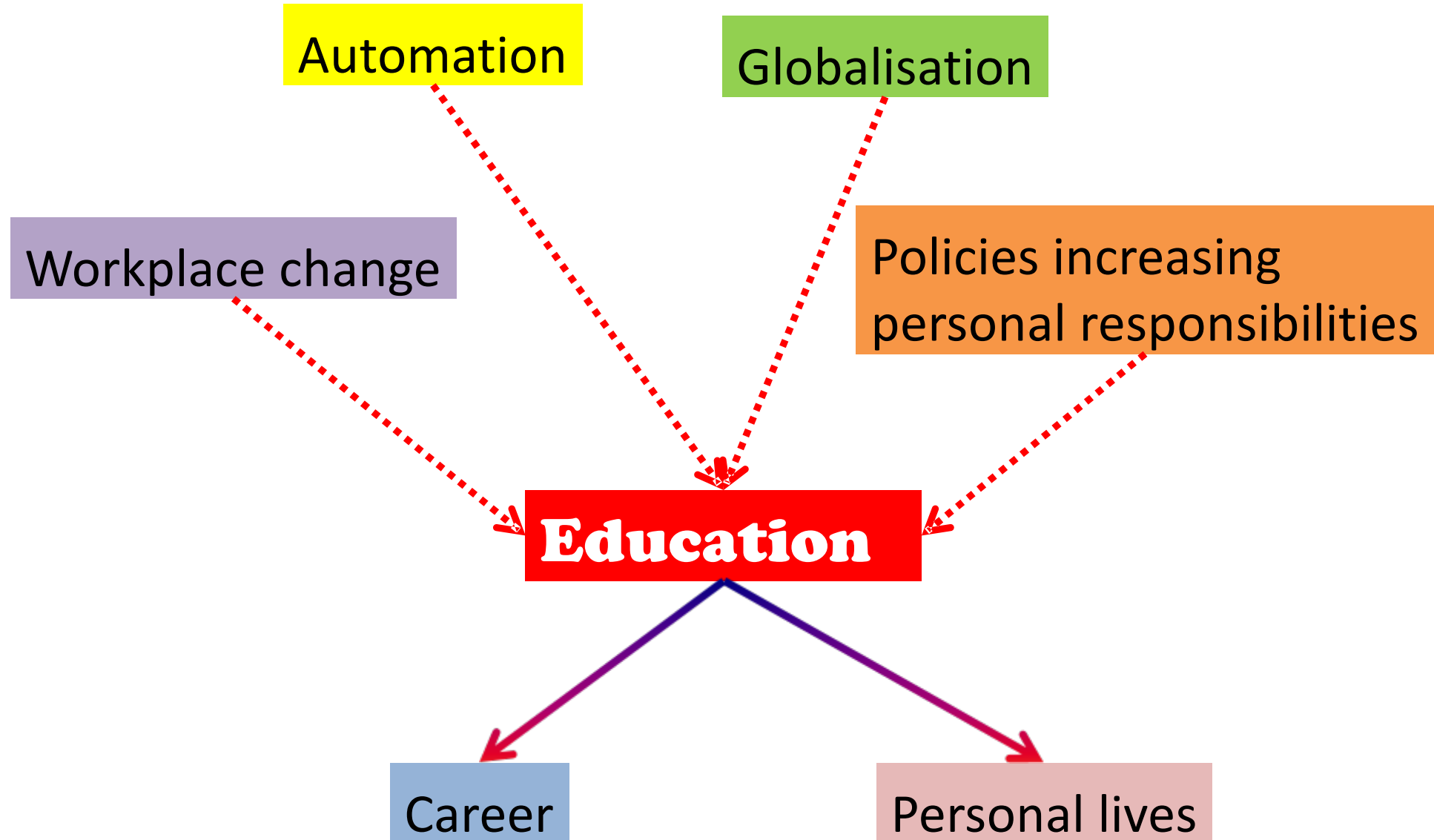
Writer etc....

- Discuss in the group by using the **4W1H method** – 21st century learning.
- You may use 'mahjong paper' for your group presentation.
- **Peer assessment** : Round Robin
- **Oral assessment** : Facilitator vs members vs group
- **Self-assessment** :



Round Robin

Why 21st Century Learning?



Dynamic and Demanding

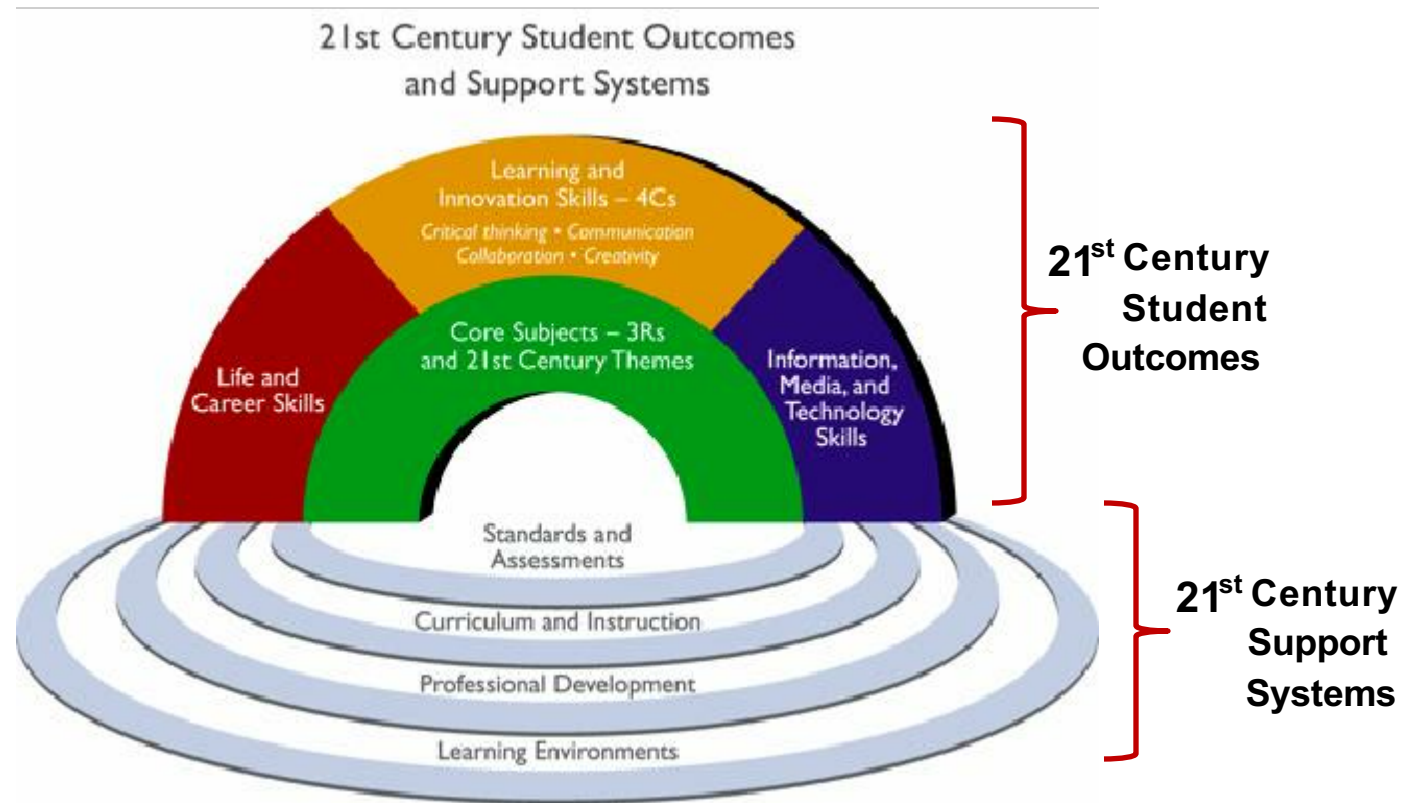
21st Century Learning Skills

- Systems Thinking
- Critical and Creative Thinking
- Technology & Tools
- Teamwork



The Framework for 21st Century Learning

- Describes the **skills, knowledge, expertise and literacies** students must master to succeed in work and life.



Six Critical Elements for 21st Century Learners



Emphasize core subjects



Emphasize learning skills



Use 21st century tools to develop learning skills



Teach and learn in a 21st century context



Teach and learn 21st century content



Use 21st century assessments that measure 21st century skills



Partnership for 21st Century Skills. *Learning for the 21st Century.*
www.21stcenturyskills.org

Three Key Learning Skills

Information and Communication Skills

Thinking and Problem-Solving Skills

Interpersonal and Self- Directional Skills



21st Century Theme

Global Awareness

Financial, Economic, Entrepreneurial and Business Literacy

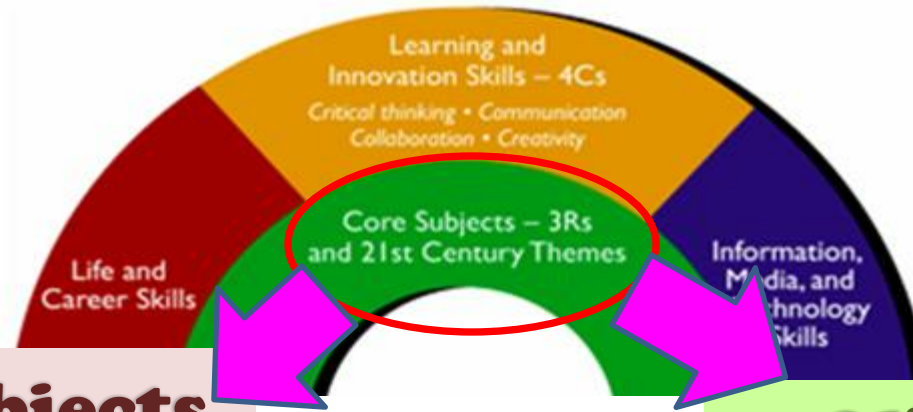
Civic Literacy

Health Literacy

Environmental Literacy



The Framework for 21st Century Learning



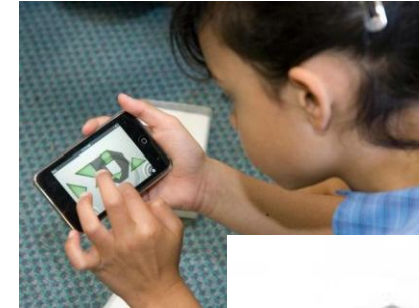
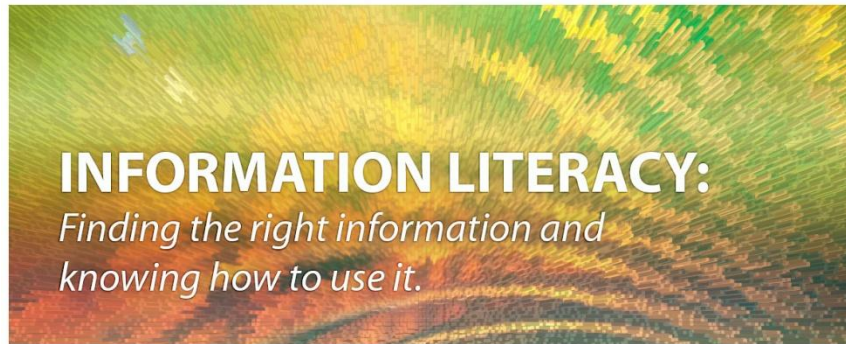
Core Subjects

- English, Reading, or Language Arts
- World Languages
- Arts
- Mathematics
- Economics
- Science
- Geography
- History
- Government & Civics

21st Century Themes

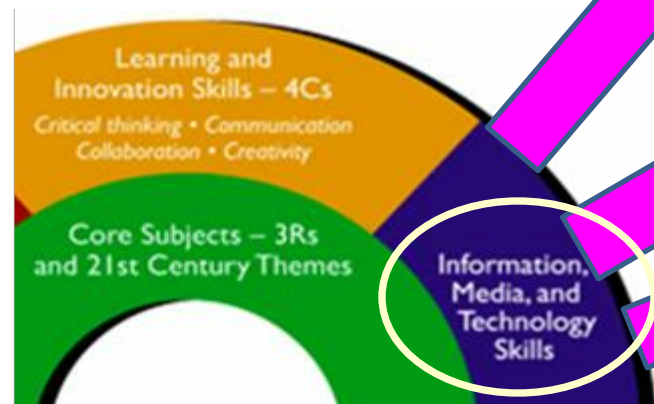
- Global Awareness
- Financial, Economic, Business, and Entrepreneurial Literacy
- Civic Literacy
- Health Literacy
- Environmental Literacy

The Framework for 21st Century Learning



Information Literacy

ICT Literacy



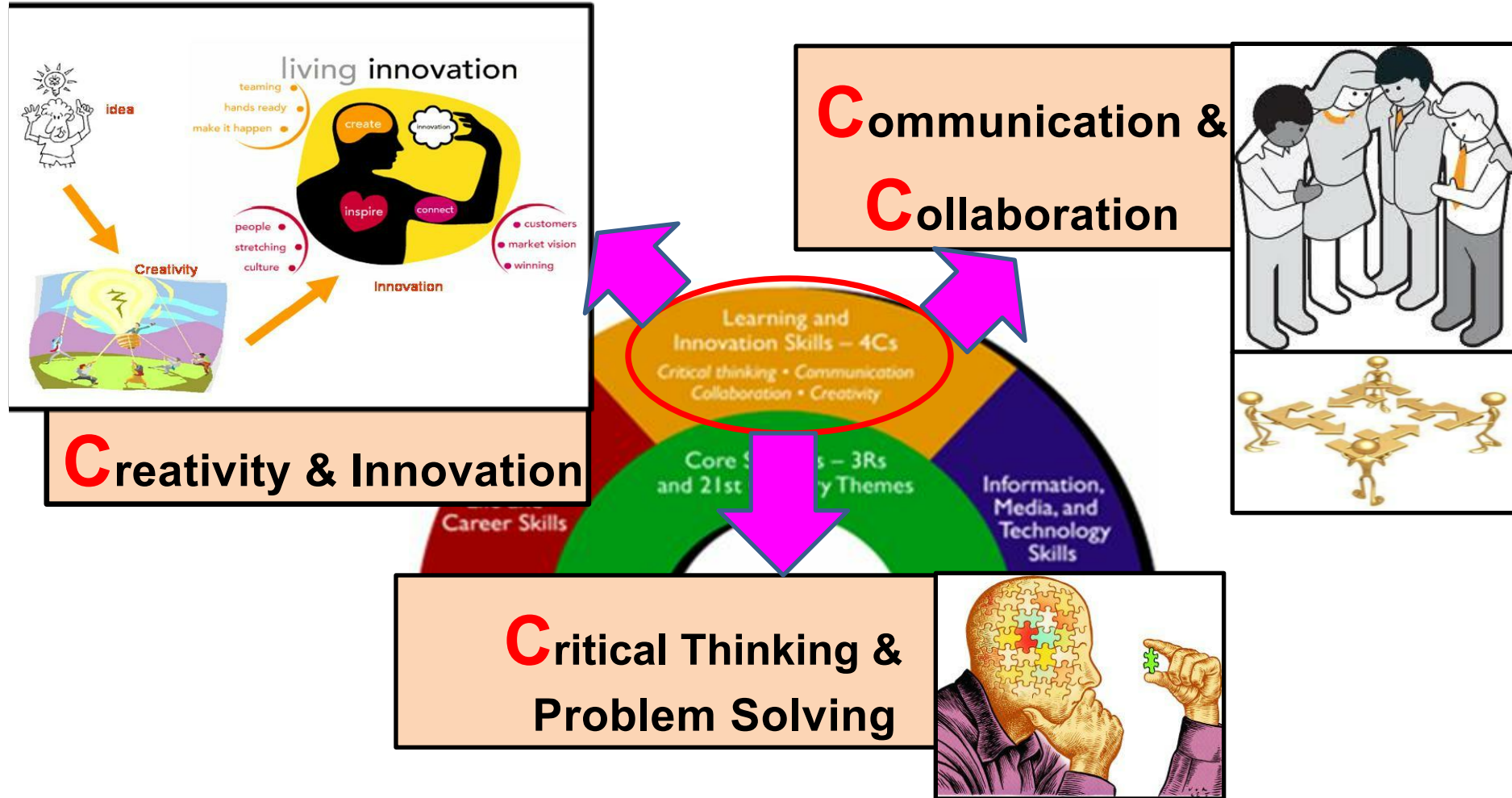
Media Literacy

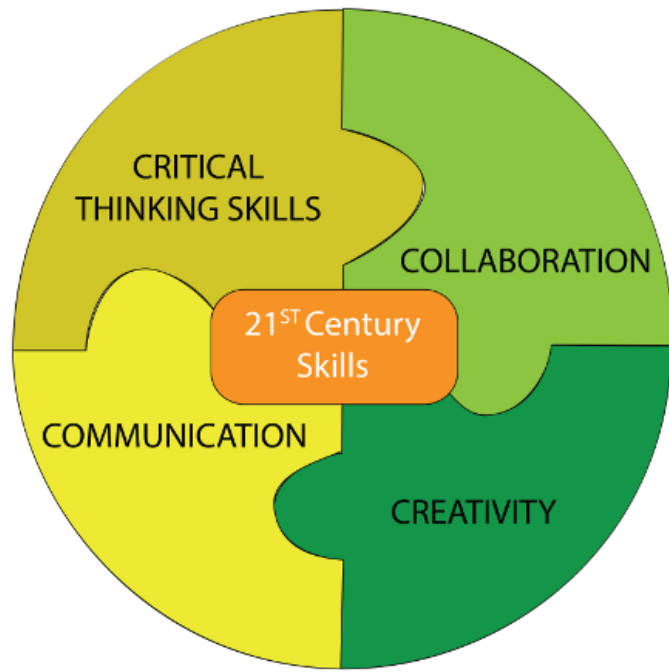


The Framework for 21st Century Learning



The Framework for 21st Century Learning





21st Century Education

today's teachers
yesterday's learners



BENNET:
standards must
be met before
radical change is
made on the
basis of the
digital
native idea



*digital
immigrants*

slower paced learning style.

less comfortable with technology



born into a technologically rich world : natural interaction with technology



today's learners
tomorrow's teachers

digital natives



Digital Natives /
Digital Immigrants



Challenge

- ① _____
- ② _____
- ③ _____

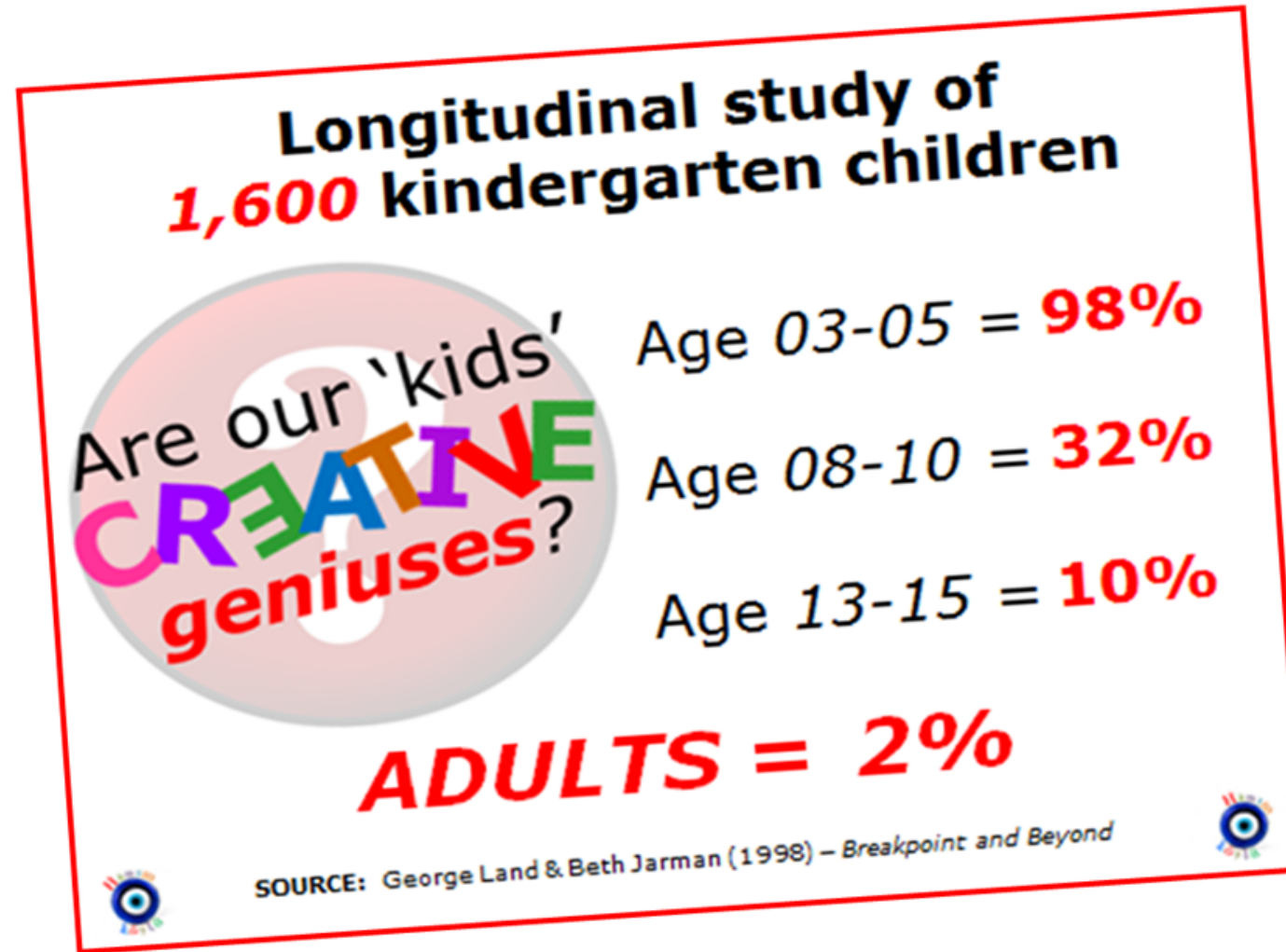


Strategy :
Give One Get One

Discuss in group:
2 minutes rule

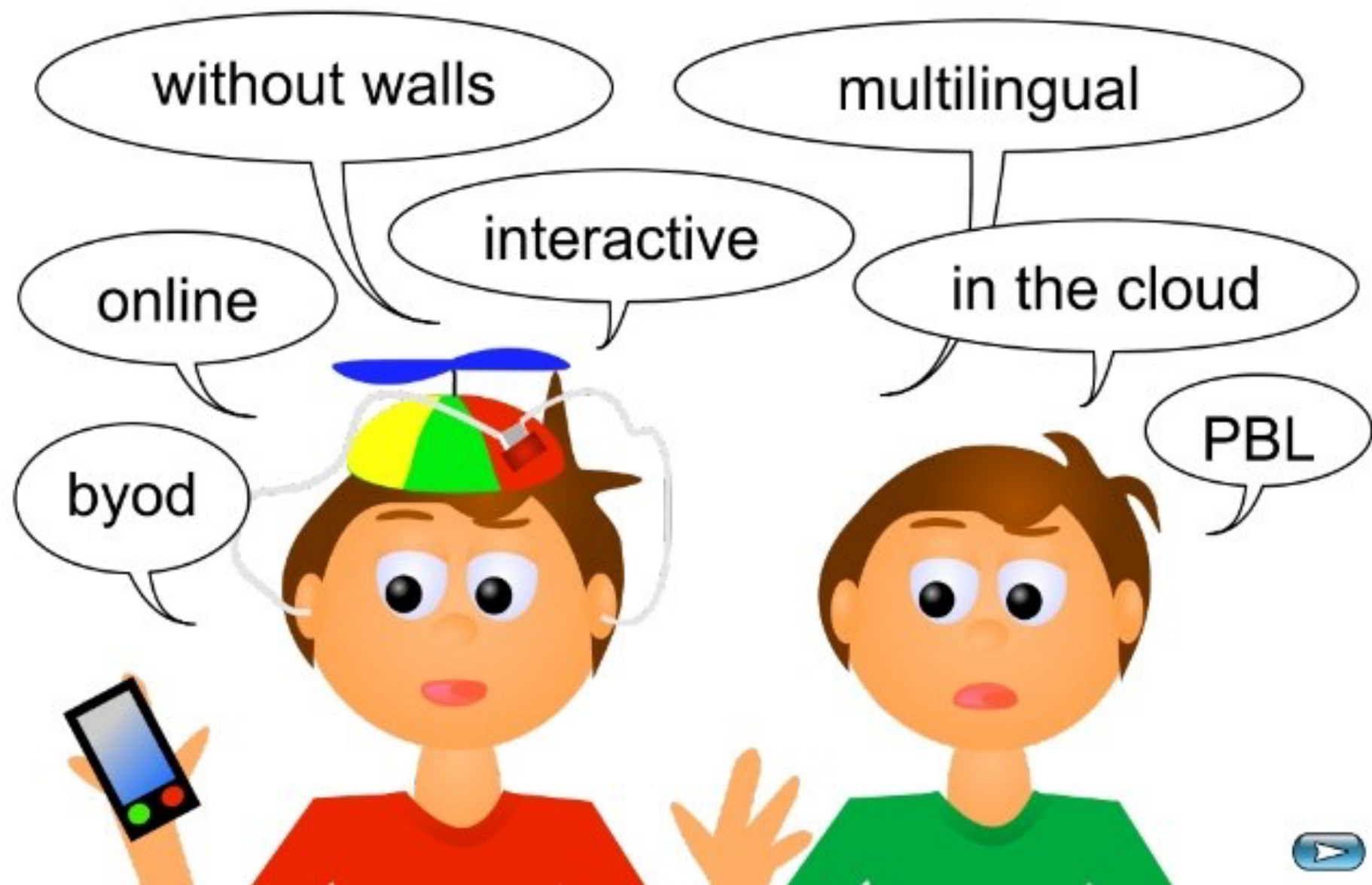
In your home
country, what are
the challenges to
implement 21st
century learning in
the classroom?

Do Schools Kill Creativity?



Is Creativity An Invisible disability??

21st Century Classrooms must be



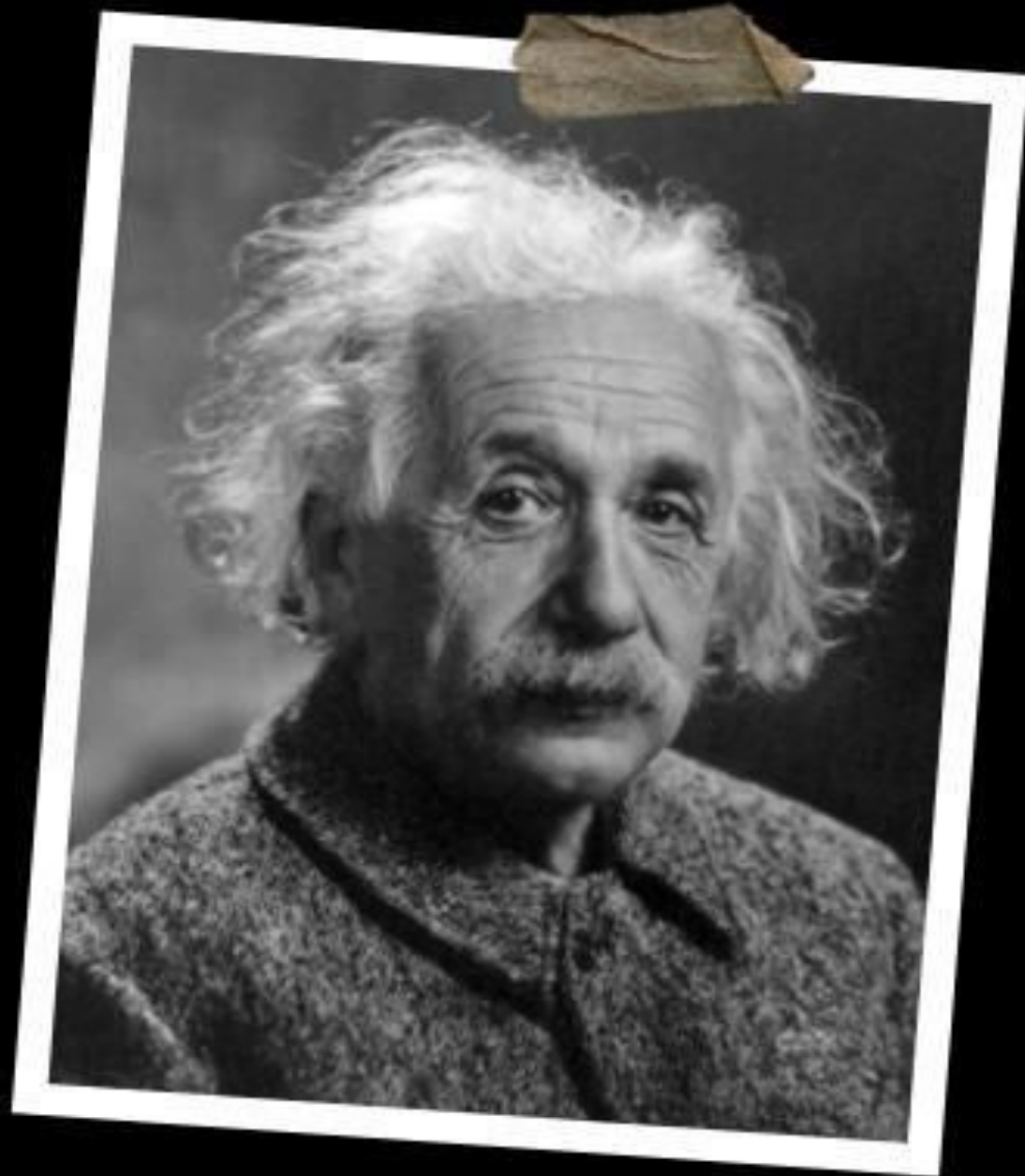
Knowing the 21st Century Learner



The 21st C Learner is . . .



**"Education is not
the learning of
facts, but the
training of the mind
to think."
-Albert Einstein**



THANK YOU

♥ Follow



liman@recsam.edu.my
liman.edutech@gmail.com



Iam_sir_I



RS Leamann

