



FROM ABC TO ICT TO QRS: Healthy and Safe Use of ICT in Classrooms



Edizon Angeles Fermin, PhD Miriam College efermin@mc.edu.ph



ICT INTEGRATION IS A MATTER OF CHANGE.

- Intentional
- Instructive
- Rapid
- Controllable
- Relational

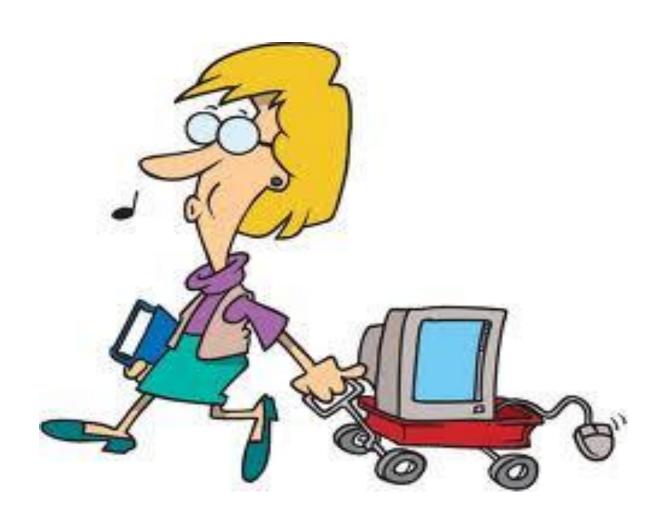


IN OUR OWN CAMP: THE NEW GENERATION OF LEARNERS



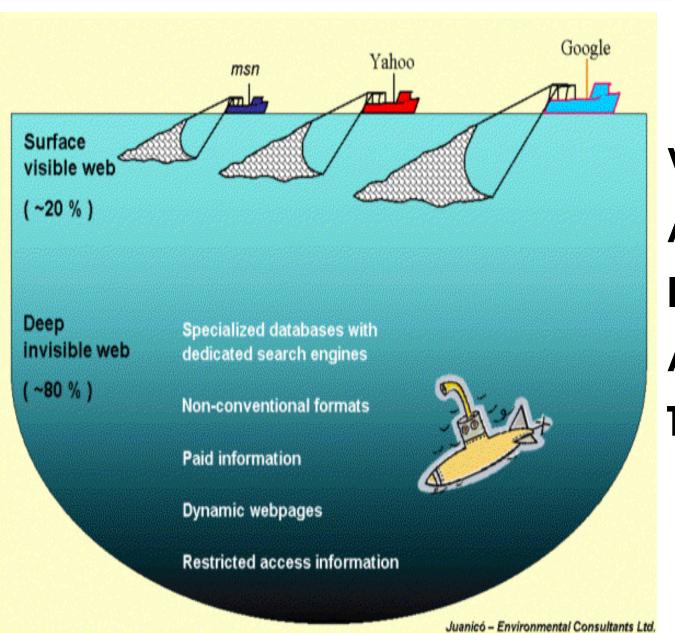


ARE COUREADY?



SHIFTING BEHAVIORS: A NEW SET OF DISPOSITIONS AND HABITS

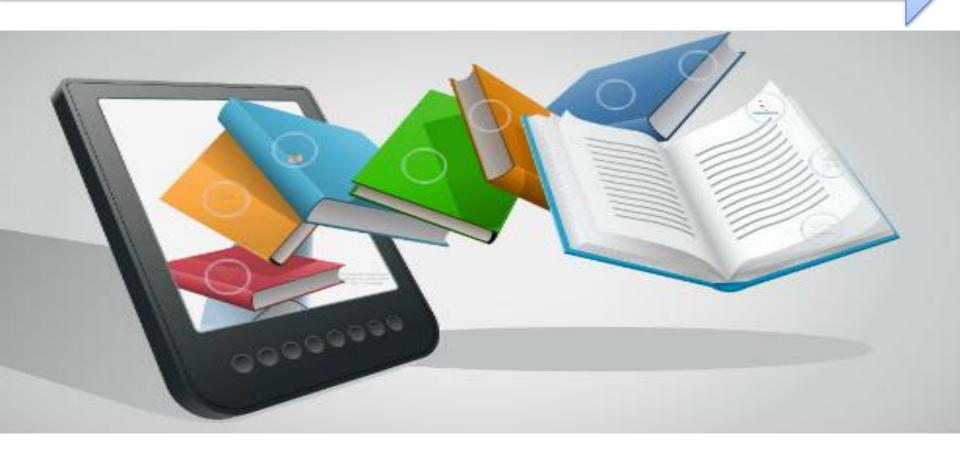
SHIFTING METHODOLOGIES: A REINVIGORATED PEDAGOGICAL REPERTOIRE



VISIBLE
AND INVISIBLE
INFORMATION
AVAILABLE
TO LEARNERS



DIGITIZED
INFORMATION
FOR THE BORN
DIGITAL



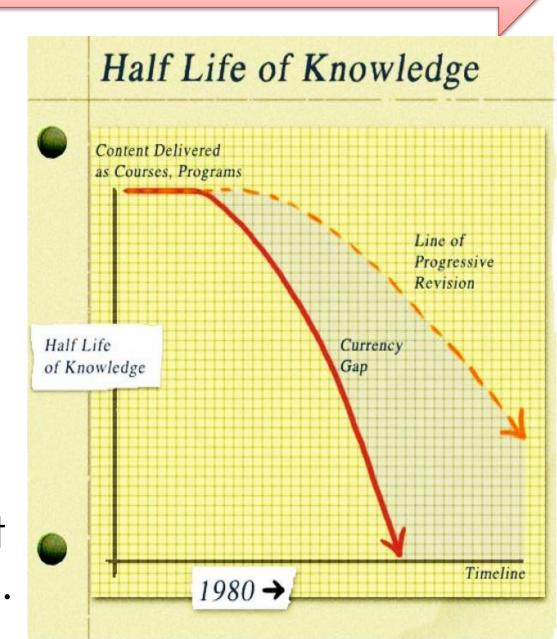
INTERACTION OF SOFT AND HARD INFORMATION



DEALING WITH MULTIMEDIA AND MULTIFORMATS

SHRINKING HALF-LIFE OF KNOWLEDGE

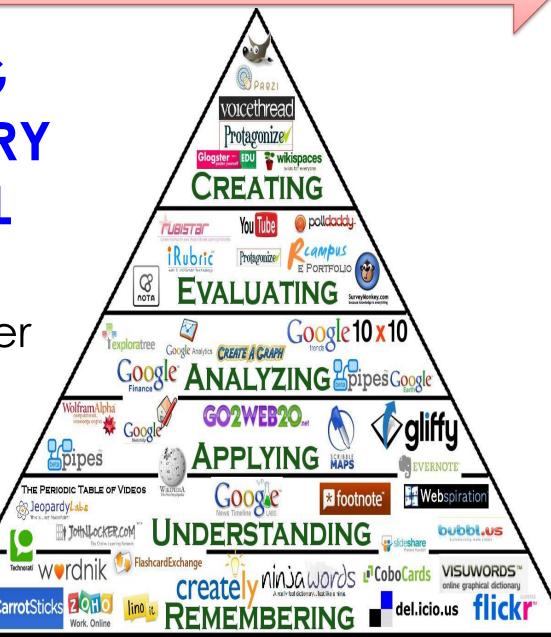
The expansion of knowledge led to shortening the time span from when it is gained to the time when it becomes obsolete.



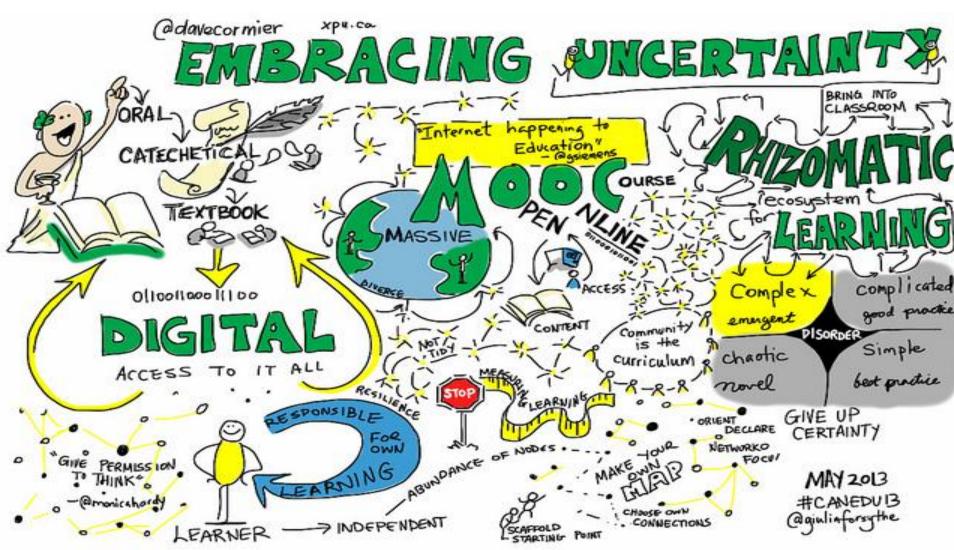
AN EXCITING
REVOLUTIONARY
CONCEPTUAL
AGE

Learners no longer just consume concepts. They

can now create them



RHIZOMATIC LEARNING



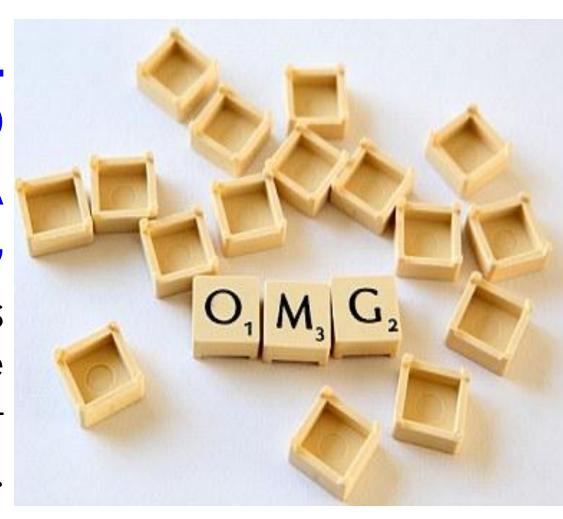


IMMEDIACY AND AUTOMATICITY OF SKILL ACQUISITION

Twenty-first century learners 'acquire' skills long before they 'learn' them.

MULTISIGNAL AND MULTIMEDIA PROCESSING

Today's learners consume media content first before text.





PREDOMINANCE OF F-PATTERN READING

Twenty-first century learners are redefining reading.



INCREASING VALUE OF HYPERREADING

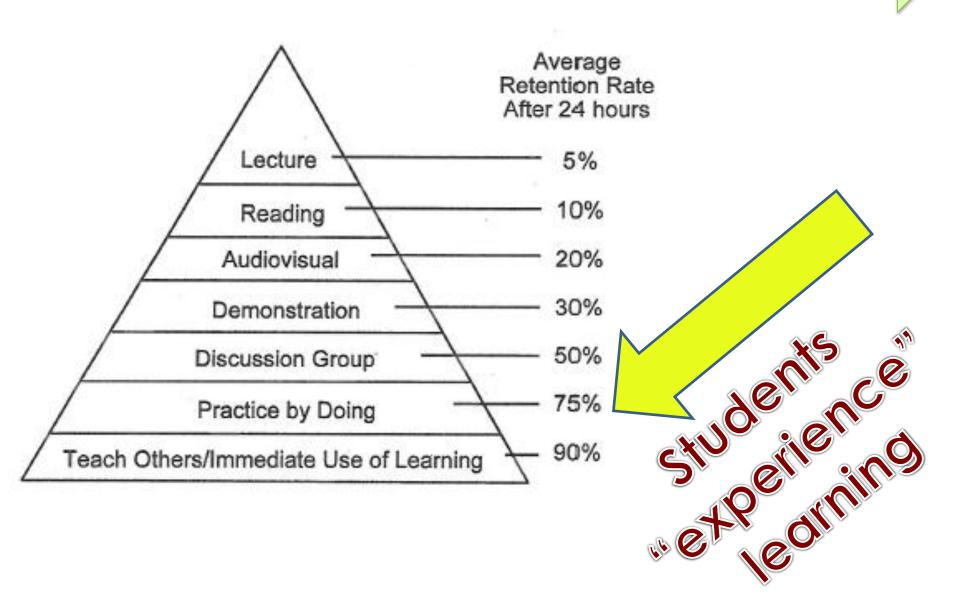
Today's learners self-direct their information search.



NURTURING NEW HABITS OF INTERACTING

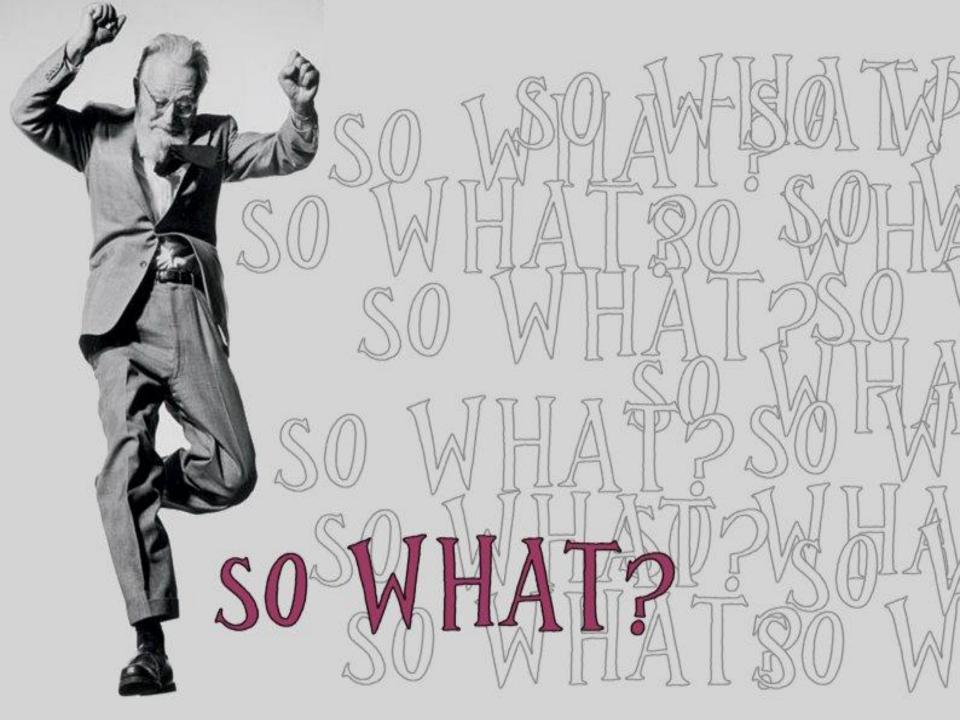
Today's learners google, chat, data mine, and network – almost always, AT THE SAME TIME.

SHIFTING METHODOLOGIES: A REINVIGORATED PEDAGOGICAL REPERTOIRE



Context-Driven 21st Century Education (in order of decreasing fidelity level)

- ✓ Investigative Approach: live, online, or mediated project/task/problem/discovery-based modes
- ✓ Interactive Approach: web-based (synchronous or asynchronous), field-based, community-based
- ✓ Integrative Approach: themebased, content-based, value-based



ON A PERSONAL NOTE



- Experience is the best teacher – sure!
- Inexperience is a better teacher
 - very sure!

INEXPERIENCE BREEDS....



- Informed and cautious risk-taking
- More frequent inquiry and relationship-building
- Collective decisions and solutions

THREE MAJOR TOPICS

- Trends and Issues in ICT-Aided Instruction in Our Unit
- 2. The Academic Complement of an e-Learning Environment
- 3. The Student Wellbeing Complement of an e-Learning Environment

TRENDS AND ISSUES IN ICT-AIDED INSTRUCTION IN OUR UNIT



OUR INSTITUTIONAL VISION

Miriam College is committed to excellent academic programs infused with Christian values, enhanced by modern technology and enriched by national and international linkages.

QRS: OUR NEW ABCs



Physical Plant and Resources









TRENDS AND SHIFTS IN FOCUS



DIGITAL AND MOBILE LEARNING

E-learning in any discipline, anytime, anywhere (Every learner is a knowledge manager.)

COMPUTER-AIDED INSTRUCTION

Maximizing computers in the disciplines (Every teacher is a computer teacher.)

COMPUTER EDUCATION COURSE

Working towards computer literacy (Computer laboratories must be in place.)

FACILITATING THE SHIFT

1. Technical Committee

- a. Device Options
- b. ICT Requirements

2. Academic Committee

- a. Learning Design
- b. Electronic Resources
- c. Faculty Training

3. Rules and Usage Policy

- a. Student Discipline
- b. Safety and Security







FACILITATING THE SHIFT

4. Funding and Purchasing Committee

- a. Fund Sourcing
- b. Business Negotiations

5. Marketing and Communication Committee

- a. Public Information Campaign
- b. Stakeholders' Orientation

6. Research Committee

- a. Program Monitoring
- b. Data Gathering and Analysis

THE ROLE OF THE PRINCIPAL

- 1. Primary communicator of philosophy
- 2. Chief people and partnership builder
- 3. Directions-setting for local and foreign investments in teacher training
- 4. Proponent of research-based teaching and teaching-based research
- 5. Resource manager
- 6. Opportunity-building team leader

PARTNERSHIP BUILDING

- 1. Content and system development
- 2. Professional networking
- 3. Local and overseas benchmarking
- 4. In-bound and outbound school visits
- 5. Program expansion



THE ACADEMIC COMPLEMENT OF AN E-LEARNING ENVIRONMENT



RESOURCE AND DEVICE OPTIONS

- 1. Initial learning design meetings
- 2. Consultation with teachers
- 3. Small group meetings with Technical Committee
- 4. Product demo, trial, and evaluation
- 5. Costing analysis vis-à-vis tuition

SELECTION CRITERIA SETTING

- 1. Suitability of features of electronic resources to academic content
- 2. Minimum technology requirements
- 3. Safety and security features
- 4. Continuing training support
- 5. After-sales service
- 6. Economic considerations

FACILITATING BLENDED LEARNING

- 1. Orientation on the project philosophy
- 2. Training of teachers for the device
- 3. Training of teachers for the Learning Management System (LMS)
- 4. Collaboration with Learning Integration Specialist (LIS)
- 5. Recognition of and sharing of best practices

ACADEMIC SUPERVISORS

- Monitors of and mentors in technology integration
- 2. Facilitator of collaborative instructional planning and delivery
- 3. Evaluator of extent of integration and frequency of utilization
- 4. Program evaluators and planners

THE STUDENT WELLBEING COMPLEMENT OF AN E-LEARNING ENVIRONMENT



CRAFTING USAGE POLICIES 'WITH' STAKEHOLDERS

- Research on policies
- Interview with students
- Drafting of policies
- Review by IT, Academic, and Student Affairs
 Committees
- Final revision
- Review after one year



MIRIAM COLLEGE HIGH SCHOOL

Policy Guidebook on the Use of Tablet Personal Computers

ENGAGING THE PARENTS TO PROMOTE SAFETY AND SECURITY

- 1. Providing adequate information at the right time: orientation, updates through circulars, etc.
- 2. Designing parenting seminars/talks and related activities that engage family members in embracing possibilities with technology-enabled learning

THE ROLE OF DISCIPLINE SUPERVISORS AND SECURITY PERSONNEL

- Drafting of infractions in the Tablet PC
 Policy Guidebook and integrate them in the Student Handbook
- Processing of disciplinary cases, if any
- Close coordination between the PPO,
 GLC, and APSA offices

FOCUSING ON ACCEPTABLE BEHAVIORS

- Homeroom modules on:
 - ✓ safety and security features of the device engaging in the digital environment
 - ✓ patterns of communication and information exchange
 - ✓ dimensions of the 'personal'
 - ✓ cyber hate and cyber bullying
 - ✓ cyber porn and cyber sex

DISCIPLINE WITH A HEART: RESTORATIVE DISCIPLINE IN FOCUS

- Contingent on gravity of infraction and its impact: (1) against public morals and institutions, (2) against people, and (3) against property
- The value of narration and contextualization
- Structuring conference structures
- Joint development of intervention schemes
- Continuous monitoring

PROGRAMMING CONSEQUENCES

- Deprivation of privileges
- Restricted access
- Suspension
- Strict academic probation
- Expulsion



SUMMER INSTITUTE ON **TECHNOLOGY IN** EDUCATION (SITE)









Master of Education Major in e-Learning Program



EVOLUTION IS INEVITABLE. WE MUST FIND MEANING IN IT.



FROM ABC TO ICT TO QRS: Healthy and Safe Use of ICT in Classrooms



Edizon Angeles Fermin, PhD Miriam College efermin@mc.edu.ph

