ePortfolio for Teaching and Learning Management: FuturEd Master Class for MNU 2017

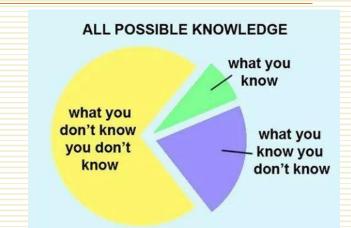
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FuturEd White Paper: <u>ePortfolio for Assessment</u> <u>of Learning</u>



A little about me

- Canadian expatriate (Middle East, China and Malaysia)
- PhD in Education Administration
- Expert in Higher Education, QA, eLearning, Faculty Development, Teaching & Learning, Leadership Development, Intercultural Leadership
- FuturEd is me: consulting education futurist
- Advocating ePortfolio for 15 years
 - FuturEd vision: ePortfolio learning ecosystem
- Now envisioning a Blockchainmanaged ePortfolio system
- Dedicated Traveler and Lifelong Learner





A little about you?

- How do people here know you?
- Do you have an ePortfolio?
- Do you use ePortfolios in your classroom?
- What is your measure of success for today?

Master Class Overview

Content

- ePortfolio concepts and types
- ePortfolio processes
- ePortfolio tools and products

Processes

- Designing ePortfolio assignments (3)
- Assessment of ePortfolios (rubrics)
- Modeling engaged learning

Engaged learning

- Requires active participation by learners
- Based on clearly-stated intended learning outcomes
- Emphasizes vocabulary
- Produces evidence of learning
- Reports competence levels of relevant competencies
- Begins with prior learning assessment

PRE-TEST

Key concepts (ILOs)

1. Teaching/learning

2. ePortfolio

- ICT skills development
- Intended Learning Objectives
- Curriculum Alignment
- Assessment
 - Formative & summative
 - Authentic & digital
 - Evidence-based
 - Competence-based
- Engaged learning

- Types and uses
- ePortfolio tools and services
- Digital evidence of learning and badges
 - **Creation processes**
 - Archives
 - *Reflection*
 - Presentation
 - **Digital rubrics**

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ePortfolio at its simplest:

 "This is what I know and can do,
 Here's how I learned it, and here's the (digital) evidence"



 Archive everything
 Presentation as

needed

Most complex: My Digital ID

Sample ePortfolios

Tools to make eP

- Personal URL
- Free website
- Free presentation
- Open Source
- LMS embedded
- Commercial / HCM
- Professional
- Personal
- No hassle

Sample

- www.FuturEd.com
- About Me
- Google Sites
- <u>Marhara</u> (for Moodle)
- CourseNetworking
- Portfolium
- LinkedIn or FB page
- Social networking

🗆 ppt

Sample types of ePortfolios in education systems

- Individual student ePortfolios (by class, program, institution)
- Lifetime learning ePortfolios (including formal, non-formal and informal learning, accidental and incidental)
- Collective student ePortfolios for Quality Assurance and accreditation
- Staff ePortfolios for professional development, Human Capital management

Assessment ePortfolios

- 1. Developmental (over time, selfassessment)
- 2. Proficiency (high-stakes, exit)
- 3. Showcase (best works)
- Admission / employment (relationship to requirements)
- 5. Communications (personal, sharing)

Planning for and Assessment of Learning

Workshop outcomes

Outcomes: new KSA

Output: 5-slide ePortfolio of

- 1. Prior knowledge / what I learned (sample digital evidence)
- 2. Creating a developmental eP assignment
- 3. Creating an eP proficiency assignment
- 4. Assessing an ePortfolio presentation
- 5. Next steps for me and/or MNU ("I want to know more..") Let's get started: Open PPT – 5 slides and skip down to #5

ePortfolio Defined*

- "a collection of authentic and diverse evidence, drawn from a larger archive
- representing what a person or organization has learned over time on which the person or organization has reflected,
- and designed for presentation to one or more audiences for a particular rhetorical purpose"

6 key concepts

* (NLII 2003 and FuturEd 2005)

November 2017

Reflection practice (in teams)

You are preparing for a job interview. You will be asked:

- What was your last job? What were your key tasks?
- 2. What did you excel at? Do you have evidence? **THIS** takes reflection.
- 3. Can you produce digital evidence? Critical importance of your **archive**! Same for students!

eP is NOT a digital CV

ePortfolio development

eP Process

- 1. Collection Archive
- 2. REFLECTION*
- 3. Selection
- 4. Projection: the learning
- 5. Presentation

 Taking time to think critically

e.g. Reflection tools (GOOGLE it ©)

- 1. Critical questions
 - What did you learn?
 - How do you know you learned it?
- 2. Blogging / journaling
- 3. Teach another
- 4. Self-assessment
- 5. Gap analysis (pre-post)
- 6. SWOT analysis

Metacognition and Reflection

1.11.1

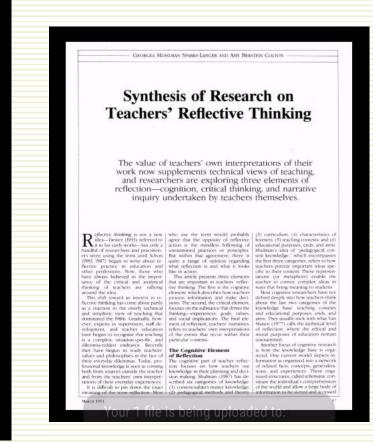


Metacognition helps us apply knowledge, skills and character qualities to new contexts.



The Role of Metacognition in Learning and Achievement

wwz.kged.org



November 2017

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Creating a Developmental eP assignment Slide #2: Competence development

Potential competencies

- 21st century skills
- Graduate Attributes
- Employability or transferability skills

You will assign the 5 steps



Developmental ePortfolio

Steps (ppt slide #2)

- Pick on attribute or skill, e.g., collaboration
- Carefully define it as a competence (reference – Google or Wikipedia)
- From a university / LLL perspective, where could it be learned? What would evidence of achievement look like? Digital evidence?
- later Where is the reflection part?
 - 4. From your course perspective, how could this be **assessed**? Evaluated?

Principles

- Incorporating all forms of learning: formal and informal
- Demonstrates actual learning
- Evidence for "employers"
- Quality assurance and accountability



YouTube videos!!

Digital evidence: how and why

Creations, e.g.,

- Video clips
- Audio clips
- Photographs
- GIFs
- Scanned documents
- Hyperlinks
- Blogs / journals
- Badges
 - QR Codes

Advantages

- 1. Accessible
- 2. Portable
- 3. Examinable
- 4. Replayable
- 5. Reviewable
- 6. Sharable
- 7. Personalized
- 8. Creative

Digital Evidence: the basics

Storage & presentation

- Archive on your computer and/or the cloud
- 2. Presentation
 - Website
 - Open Source
 - Google sites
 - System tools (Moodle)
 - Commercial tools
 - Ppt tools

Policy Issues

- Creation tools to use
- Storage requirement
 - Sharing methods
- Internet Ethics
 - Legality / ownership
 - Utilization

Put it in writing and
KISSYouTube Videos

Assessment of student learning should be: (QA standards for assessment)

- authentic, i.e., accurate representation of the contexts encountered in the field of study or in real-life tests faced by learners
- 2. against stated learning outcomes
- 3. frequent and timely
- 4. appropriate and responsive to the needs of the learners
- in various forms such as written and oral assignments, self-assessment, demonstrations, portfolio assessment, and exams
- 6. competence-based
- 7. valid and reliable
- 8. conducted by trained assessors

Creating a summative eP assignment (new ppt slide #3)

Standards-based (ILO), proficiency eP

- 1 _____ is an important task or concept in your discipline
- 2 An associated learning objective is _____? **
- 3 Competence can be demonstrate by (verb!)_
- 4 Acceptable digital evidence would be _____
- 5 The reflection element is _____
- 6 Learning would be assessed against ____
- 7 The eP would be evaluated against _____
- 8 The assignment would be managed by _

****** A good intended learning objective (ILO)is...

- Clearly stated
- Relevant (useful & appropriate to learner)
- Observable / demonstrable
- Measurable
- Achievable and realistic
- Appropriate in rigor to degree awarded
- Consistent with the provider's mandate

Competence-based and competency-based

Evaluating an ePortfolio of learning achievement

- 1. Stated learning objective (ILO)
- 2. Digital evidence submitted
- Levels of competence inadequate to excellence
- 4. Self-assessment (optional but recommended)
- 5. Teacher scoring (comments recommended)
- 6. Evaluation: level of achievement?

Rubric for assessment of learning

Demonstrable? Measurable?

Rubric must be digital

| Learning Objective | Evidence Submitted | Unacceptable achievement | Acceptable achievement | Excellence | Self / Teacher Assessed |
|---------------------------------------------|-----------------------|---------------------------------|----------------------------------------------|-------------------------------------------------------|-------------------------------|
| Create a blog | | No entries | Entries | Engaging | |
| Express what s/he learned | | Repeats course objectives | Translates objectives into own word | Actively reflects on before and after | |
| Share what s/he has learned | | No ability to transfer | Use of appropriat e tools | Links new learning to old and to plans | |
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Rubric for assessing an ePortfolio- it IS the evidence

| Skills to develop | Levels of required Achievement | Assessment and/or evaluation |
|-------------------------------|-----------------------------------|---------------------------------|
| How to make an ePortfolio | | |
| Planning and gap analysis | | |
| Creating digital evidence | | |
| Reflection | | |
| Self-assessment | | |
| Creativity and ICT innovation | | |

Next: Marking a Showcase Assignment (An ePortfolio marking rubric - ppt slide #4)

Assignment:

Showcase eP of best work

- What are the overall course objectives?
- 2. How is excellence described overall?
- 3. What constitutes evidence of achievement?
- 4. What is acceptable digital evidence?
- 5. What marking rubric would you give to students?

Principles

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- *Promotes accountability for*
- course objectives
- Reflects curriculum alignment
- Incorporates all steps of eP creation
- Ensures transparent assessment and evaluation
- Promotes reflection: time to consider over the term

Showcase marking rubric

MUCH simplified...

| Learning objectives | Evidence submitted | Levels of required achievement | Self- assessment | Teacher evaluation |
|------------------------|-----------------------|--------------------------------------|---------------------|-----------------------|
| Course content | | | | |
| ePortfolio itself | | | | |

How to manage this?

- Distribute?
- Receive?
- Provide feedback?

Critical Principles

An ePortfolio MUST:

- Be owned by individual / creator
- Be secure, with access controlled
- Incorporate all forms of learning
- Be transportable
- Demonstrate ROI



Student uses of ePortfolios

Lifelong learning

- Formal learning
- Informal (on campus, IE)
- Non-formal (community, family)
- Achievements
 - Networks

Employability

- Breadth of abilities
- Supporting evidence
- Transferable skills
 - References

ePortfolio Assessment of Learning

- Alternative assessment (essays, multiple choice)
- Authentic assessment (evidence of real tasks)
- Competency-based (here's the evidence)
- □ Flexible assessment (PLA)
- Reflective learning (process, personalized)
- Constructivist (over time a living document)
- Positivist (asset building)
- Complementary (to other types of assessment)
- Motivating (through self- or peer-assessment)
- Instructive (wealth of info about learners)

Review: ePortfolio is

- A digital approach in teaching and learning management to achieve, e.g.,:
 - An ongoing digital archive of evidence
 - Presentation of relevant, as-needed KSA
 - A record of learning progress
 - Effective and efficient assessment
 - ICT skills and innovations development
 - Achievement of ILOs
- Digital tools, services, evidence ODL ©
 - Widely used Learning Management tool

FuturEd ePortfolio learning ecosystem



- 1. All "teaching" efforts set out as Intended Learning Outcomes (ILO) that are demonstrable/ measurable
- 2. Full curriculum alignment, and direct testing for the ILOs through authentic and flexible assessment
- 3. Complete rubric description of levels of achievement from inadequate to excellence.
- 4. For at least one ILO, the requirement for a digital artefact of competence assessed against the rubric.
 - The artefact may take the form of a digital badge
- 5. Digital artefacts are added to the a person's digital repository.
- 6. When necessary or preferred, the digital artefacts are managed and presented by blockchain technology.
- HENCE **Blockchain portfolios** of cryptocompetencies **A vision of a Preferred Future**

Me, ePortfolio and learning assessment at MNU... on slide #5

Post-test
 Making slide #1

Slide #5

It's now

Life-long (live longer, keep learning)
Life-wide (life skills, growth mindset)
Life deep (EQ, ethics, empathy, values)



Business Insider



"The notion that you're born, go to school, get a job, retire, die. That's gone."

- I want to learn..
- MNU could...
 - Opportunities?Obstacles?

Presentations / volunteers?

5-slide ePortfolio

- 1. This is what I learned...
- 2. Here is my developmental eP assignment
- 3. This is an proficiency ePortfolio assignment
- 4. This rubric is to assess an eP assignment
- 5. Next steps for me and/or MNU

More Information:

<u>www.FuturEd.com</u> ePortfolio research and white papers



Dr. Kathryn Chang Barker kbarker@futured.com

Websites / FB pages

Education

- Edutopia
- Yidan Prize
- eLearning Coach
- Mindshift
- The Atlantic
- Education Technology
- WISE Qatar Foundation

Leadership

- World Economic Forum
- Entrepreneur
- Business Insider
- Big Think
- 🗆 Futurism
- LinkedIn

Some eP web resources

- <u>Consumer Guide to ePortfolio Tools and Services (FuturEd)</u>
- Glossary of terms <u>https://kb.iu.edu/d/aqhz</u>
- Quizzes <u>http://www.quia.com/cz/48859.html</u>
- Templates <u>http://electronicportfolios.com/nets.html</u> <u>http://eportfolio.nku.edu/downloadpage.htm</u>
- Using Front Page <u>http://www.usca.edu/essays/vol142005/hyndman.pdf</u>
- eP rubric <u>http://office.microsoft.com/en-us/templates/TC300050481033.aspx</u>
- eP for assessment <u>http://www.slideshare.net/georgeroberts/eportfolios-and-assessment</u>
- □ all about: <u>http://www.jiscinfonet.ac.uk/infokits/e-portfolios/index_html</u>
- eP for teachers: <u>http://ucat.osu.edu/teaching_portfolio/teaching_port.html</u>

ePortfolio Resources

Tools / services

- CourseNetworking <u>ePortfolio</u>
- Mahara / Moodle <u>ePortfolio</u>
- Google Sites eP
- Portfolium
- PebblePad

LifeWire
About Me
IO Grid
SimpleSite

Resources

 FuturEd Consumer Guide to ePortfolio Tools and Services
 list of tools
 PhD2Published

<u>CN Badges</u>
 <u>Guide to Badges</u>
 <u>Synthesis of Research</u>
 <u>On Teacher's</u>
 <u>Reflections</u>

Potential applications

- **K-12** demonstration of learning
- PSE / HE assessment of learning
- Lifelong learning continuous "reflective" learning, inventory of learning
- Workplace
 - recognition of all forms of learning (PLA)
 - Human Capital Assets Management (HCA)
- eLearning LMS and KM, online tools, web services
- Organizational and/ or economic development
 asset mapping, quality assurance
- eCitizenship Digital identity

ePortfolio...

A term used to encompass (1) tools, products and systems that can be used by (2) individuals, educators, employers and entire nations for the purposes of (3) describing, assessing, recognizing and using knowledge and skills (4) acquired through all forms of learning (5) with evidence that is digitally created, stored and managed through (6) practices that meet quality standards to assure transportability, usability, and security (FuturEd 2007)

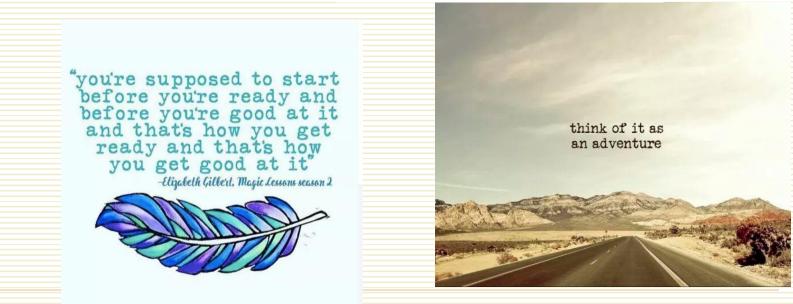


What Footprints Are You Leaving Behind?



kintsukuroi

(n.) (v. phr.) "to repair with gold"; the art of repairing pottery with gold or silver lacquer and understanding that the piece is more beautiful for having been broken



November 2C.,

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