



## "Portfolios have been with us for a very long time. Those of us who grew up in the 1950s or earlier recognize portfolios as reincarnations of the large memory boxes or drawers where our parents collected starred spelling tests, lacy valentines, science fair posters, early attempts at poetry, and (of course) the obligatory set of plaster hands. Each item was selected by our parents because it represented our acquisition of a new skill or our feelings of accomplishment. Perhaps an entry was accompanied by a special notation of praise from a teacher or maybe it was placed in the box just because we did it."

"We formed part of our identity from the contents of these memory boxes. We recognized each piece and its association with a particular time or experience. We shared these collections with grandparents to reinforce feelings of pride and we reexamined them on rainy days when friends were unavailable for play. Reflecting on the collection allowed us to attribute importance to these artifacts, and by extension to ourselves, as they gave witness to the story of our early school experiences."

### From the Preface (3)

"Our parents couldn't possibly envision that these memory boxes would be the inspiration for an innovative way of thinking about children's learning. These collections, lovingly stored away on our behalf, are the genuine exemplar for documenting children's learning over time. But now these memory boxes have a different meaning. It's not purely private or personal, although the personal is what gives power to what they can mean."

### Let's get personal... Think for a minute about:

Something about your **COLLECTIONS**: Suggested topics:

- If you are a parent, what you saved for your children
- What your parents saved for you
- What you collect...
- Why you collect...

### Some issues to consider

- What do your collections say about what you value?
- Is there a difference between what you purposefully save and what you can't throw away?
- How can we use our personal collections experiences to help learners as they develop their portfolios?

The power of portfolios [to support deep learning] is personal.

### What is a Portfolio in Education?

A portfolio is a purposeful collection of student work that exhibits the student's efforts, progress and achievements in one or more areas [over time].

(Northwest Evaluation Association, 1990)

### What is a Portfolio in Education?

(2)

The collection must include:

- student participation in selecting contents
- the criteria for selection
- the criteria for judging merit
- evidence of student selfreflection

(Northwest Evaluation Association, 1990)

### Metaphors!

- Mirror, Map, Sonnet
- C.V. or Multimedia Resume
- Test Story
- http://electronicportfolios.org/ metaphors.html

## Purpose & Goals for the portfolio (Determine Content) Multiple purposes: Learning/Process Assessment Marketing/Showcase

Think about the differences between:

Learning Portfolio and Portfolio Learning
Assessment Portfolio and Portfolio Assessment
One is more Product, the other is more Process

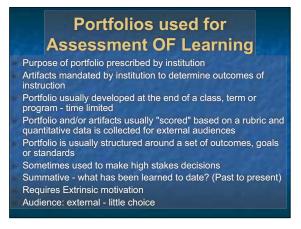




## Showcase Portfolios Marketing Employment Tell your story A primary motivator for many portfolio developers

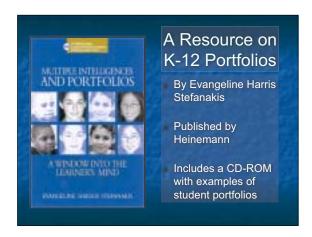
# Assessment Portfolios A major movement in Teacher Education in U.S. A major new commercial market A primary motivator for organizations

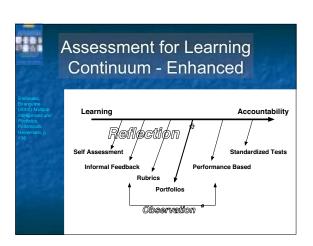
# A few thoughts about Assessment -- What Type? Assessment OF Learning? or Assessment FOR Learning?

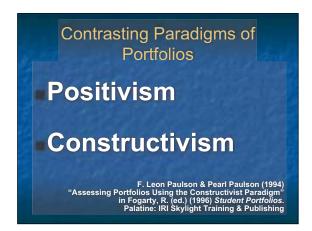


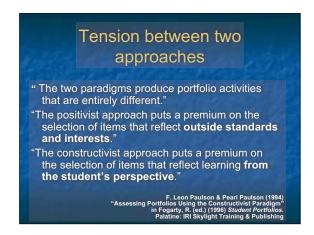
## Portfolios that support Assessment FOR Learning Purpose of portfolio agreed upon with learner Artifacts selected by learner to tell the story of their learning Portfolio maintained on an ongoing basis throughout the class, term or program - time flexible Portfolio and artifacts reviewed with learner and used to provide feedback to improve learning Portfolio organization is determined by learner or negotiated with mentor/advisor/teacher Rarely used for high stakes decisions Formative - what are the learning needs in the future? (Present to future) Fosters Intrinsic motivation - engages the learner Audience: learner, family, friends - learner can choose











## "The portfolio is a laboratory where students construct meaning from their accumulated experience." (Paulson & Paulson, 1991, p.5)

## Portfolio tells a Story "A portfolio tells a story. It is the story of knowing. Knowing about things... Knowing oneself... Knowing an audience... Portfolios are students' own stories of what they know, why they believe they know it, and why others should be of the same opinion." (Paulson & Paulson, 1991, p.2)

"A portfolio is opinion backed by fact...
Students prove what they know with samples of their work."

(Paulson & Paulson, 1991, p.2)

Linking Two Dynamic
Processes to Promote
Deep Learning

Portfolio Development
Process
Digital Storytelling







Some concerns...

Assessment for Learning

Portfolios for Learning

What about Motivation?

Components of Portfolio Development

Content
Purpose
Process

Components of Portfolio Development

Content:
evidence=
artifacts +
reflections +
validation

Components of Portfolio
Development

Purpose:
the reason for developing the portfolio – includes audience
Learning & professional development - Process
Assessment (of and for learning)
Showcase
(Employment/Marketing)

Components of Portfolio
Development

Process:
tools used
sequence of activities
rules
evaluation criteria (rubrics)
collaboration/conversation

Developmental Levels of Portfolio Implementation

Extrinsic Motivation

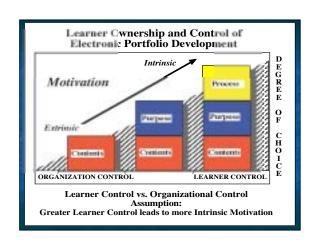
-institutional directed content, purpose & process – external locus of control

Mixed Motivation

-learner ownership over one or two of the components

Intrinsic Motivation

—learner ownership of content, purpose and process





Portfolios provide
Encouragement for Reflection

1. ...provides both the discipline and the freedom of structure, allowing one to see one's own work. (Sonnet)

2. ...provides the opportunity to assess one's own strengths and weaknesses through examination of a collection of samples, as well as to get feedback on one's performance from others. (Mirror)

3. ...the process of self assessment leads one to setting goals for future development and professional growth. (Map)

(Mary Diez, 1994)

## Electronic Portfolio Development Publishing environments: Optical media (CD-R, DVD-R) or WWW Authoring environments: Common Tools or Customized Systems

## Common Desktop Tools with hyperlinks Office - Word, Excel, Powerpoint Hypermedia authoring tools - HyperStudio, MediaBlender Inspiration or Kidspiration (mind mapping) Adobe Acrobat HTML Editors - Front Page, Dreamweaver, Netscape/Mozilla Composer Multimedia Authoring - Macromedia Director & Flash, Ezedia

My evaluation study of online software, services, or strategies

http://electronicportfolios.org/myportfolio/versions.html

Under On-line Publications

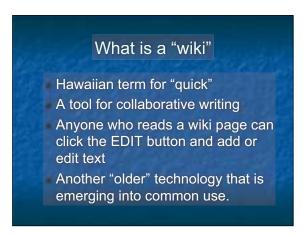
To date, recreating my new portfolio using 17 different software packages, services, or strategies

### Conclusions "They each Too early to judge exhibit tradeoffs between Scales applied to each system the flexibility - "Trade-offs" - "Balance" inherent in an HTML-based Creativity tool with the Ease of Use relative easeof-use but Cost/Storage & ROI lack of Features creativity in a system built Flexibility/Customization Allowed on a data-Integration with Assessment System base.' Transfer & technology skill development

### Helping Students to Reflect Provide models and examples Begin with forms or prompts Move to journals/blogs Be careful that reflection in portfolios doesn't become an exercise in filling in the blanks on a web-based form.

# What is a blog? Abbreviation for "web log" which is an online journal organized in reverse chronological order...the most recent entry on top Emerging into the mainstream in the last 18 months Very popular with adolescent girls Free, open source and commercial tools available

## "Blog" #1 word of the year\* Merriam-Webster Inc announced its top 10 "words of the year" list, with the immensely popular "blog" taking the number one place. Compiles list each year by taking the most researched words on its various Web sites \* Internet Scout Report, December 3, 2004





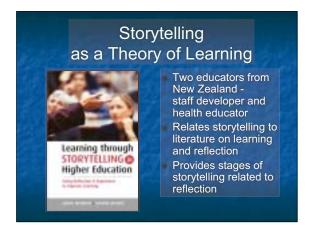


Local Resources on Digital
Storytelling

Australian Center for the
Moving Image (ACMI)
Fraynework digital storytelling
Once Upon a Time digital
storytelling (RMIT)

Why include Digital Storytelling in ePortfolios?

Learner Motivation and Affect
Brain Research on Emotion in Learning





Storytelling = Narrative Inquiry

Mattingly in Schön (1991)

Aristotle: narrative – natural framework for representing world of action

Everyday sense-making role of storytelling Stories reveal the way ideas look in action Narrative provides explanation

Motivation for telling stories: to wrest meaning from experiences

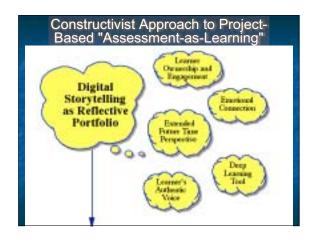
"...for storytelling is the mode of description best suited to transformation in new situations of action."

Storytelling as Reflection
(Schön, 1988)

"Stories are products of reflection, but we do not usually hold onto them long enough to make them objects of reflection in their own right."

Storytelling as Reflection
(Schön, 1988)

"When we get into the habit of recording our stories, we can look at them again, attending to the meanings we build into them and attending, as well, to our strategies of narrative description."





## Deep Learning involves reflection, is developmental, is integrative, is self-directive, and is lifelong Cambridge (2004)

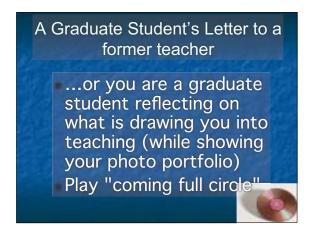
# Voice = Authenticity multimedia expands the "voice" in an electronic portfolio (both literally and rhetorically) personality of the author is evident gives the reflections a uniqueness gives the feeling that the writer is talking directly to the reader/viewer

### Digital Paper or Digital Story? If your e-portfolios are just digital paper (text and images on the screen) you are losing a wonderful opportunity to really tell your story in your own voice. With the capability to add multimedia, audio and video, we can truly create an engaging environment to document the milestones of our lives.

A 2nd Grader's Autobiography

Perhaps you are a 2nd grader telling your autobiography for a VIP school assignment

Play "tori's 2nd grade bio"





### What's Your Story?

We all have a story to add to our portfolios. These digital stories provide opportunities for a richness not possible in print.

Some stories will represent the fresh innocence of youth, some will reflect the experiences of a rich life.

The audiences might be worldwide, like the BBC Wales, but most likely the audiences will be small and intimate.

### Digital Story as Legacy

These digital stories aren't just for professional development

They aren't just for skills-based portfolios

They are our legacy for those who come after us...the stories of our lives we give to our children's grandchildren.

### Presentation online and stories are on my CD

http://electronicportfolios.org and click On-Line Publications

"Electronic Portfolios as Digital Stories of Deep Learning"

http://electronicportfolios.org and click Recent Conference Presentations

My CD has examples of digital stories as well as hands-on activities to learn the process on Mac and Windows XP

### My Final Wish...

May all your
electronic portfolios
become dynamic
celebrations and stories
of deep learning
across the lifespan.

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