



e-Portfolios

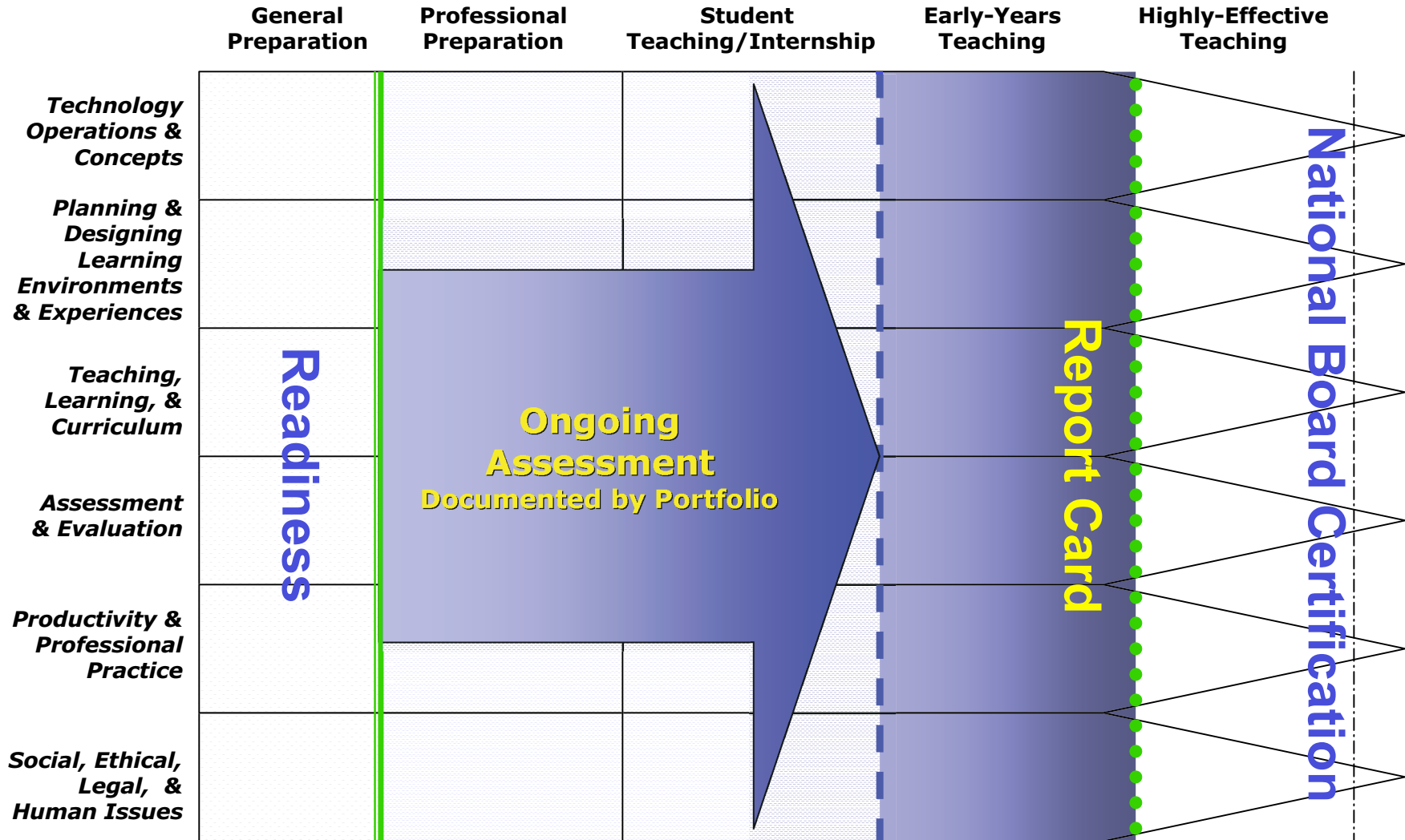
Issues in Assessment, Accountability and Preservice Teacher Preparation

American Educational Research Association

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National Board Certification

Program determines readiness of Candidate

Program determines proficiency of Candidate

ISTE Performance Proficiency Endorsement

Advanced Professional Proficiency Assessment



ISTE NETS for Teachers – Assessment Framework
September 10, 2000 - Edited slightly April 20, 2003

Community & Assessment in PT3

Assessment Objectives

1. Clearinghouse (online database) of NETS Assessment Strategies
2. Online entry-level assessment of Profile 1 technology skills
3. Design online relational database structure and specifications to link standards, evidence, artifacts, and assessments
4. Training and support materials developed
5. Assessment & Technology Forum
 1. June 14, 2002 in San Antonio
 2. June 28, 2003 in Seattle
6. Conference Presentations on e-portfolios
7. Training workshops for faculty and state teams



STATE Assessment Project

- *Criteria for portfolio design*
- *Trends in E-Portfolio Development*
 - Commercial developers
 - University-developed systems
- *Decisions & Dilemmas/Cautions about portfolio use*
- *Electronic Portfolio or Assessment Management System?*
- *Clearinghouse for Performance Assessments of NETS-T*
- *Collaborations*
- *Concerns*

Criteria for portfolio design

- Specifications developed for E-PAC and NLII meeting, October 2002 plus further refinements on NLII/AAHE VCOP
- California State University System-Wide Electronic Portfolio Definition Meeting, December 2002
- Open Source Portfolio Initiative (OSPI)

Pedagogical Requirements

for online portfolio systems - Barrett, 2002

- Storage Space
- Security
- Linking and Grouping Artifacts
- Reflection
- Publishing
- Portability

Developed for the E-PAC and the NLII
Electronic Portfolio meeting in October 2002.
Further revisions online at:
<http://electronicportfolios.org/eportmatrix.htm>

Trends in Electronic Portfolios

(Gibson & Barrett, 2002)

- **Generic Tools Approach (GT)**
 - Microsoft Office tools
 - HTML authoring
 - PDF
 - Multimedia
 - Video
- **Advantages**
 - Developer control over “look and feel”
 - Demonstrate technology competency in development
- **Customized Systems Approach (CS)**
 - Online Relational Database
 - Commercial Systems
 - Open Source Portfolio Initiative (OSPI)
- **Advantages**
 - Capacity to aggregate portfolio data
 - Ease of use

Commercial Online Portfolio Providers

- **Chalk & Wire**
- **LiveText**
- **TaskStream**
- **McGraw-Hill Folio Live**
- **folio by eportaro**
- **Concord** (a digital content server for Blackboard systems)
- **iWebfolio by nuventive** now in a strategic alliance with SCT and Blackboard
- Plus in-house development at Blackboard and WebCT



University e-Portfolio Developers

- Examples of several new e-portfolio approaches and projects were assembled at the first ISTE Assessment and Technology Forum held at NECC in 2002, and are available online as documentation of the forum's Gallery Walk (<http://www.ideasconsulting.com/portfolioessentials/index.html>).
- PT3 grants have supported development of these online portfolio systems (and many others):
 - Purdue University
 - Johns Hopkins University
 - Florida State University
 - National Institute for Community Innovations (Vermont)



Confronting the Decisions and Dilemmas

(Carney, 2003)

To devise effective portfolio assessment systems for teachers, one must make wise **decisions** in three key areas:

- 1. Purpose/audience***
- 2. Ownership***
- 3. Focus**

Dilemmas are inherent in our decision-making:

- **Multiple-purpose dilemma**
- **Personal-revelation dilemma**
- **Cognitive-overload dilemma**
- **Self-expression dilemma**
- **Dead-end dilemma**



Cautions about Portfolio Use

(Lucas, 1992)

1. The weakening of effect through careless imitation
2. The failure of research to validate the pedagogy
3. The co-option by large-scale external testing programs

(Lucas, Catharine. 1992. Introduction: Writing Portfolios - Changes and Challenges. *Portfolios in the Writing Classroom: An Introduction*, ed. Kathleen Blake Yancey. Urbana, Illinois: NCTE: 1-11)



Electronic Portfolio or Assessment Management System?

Electronic Portfolio	Assessment Management System
Multiple purposes: Learning, Assessment, Employment	Single purpose: Formative and Summative Assessment
Data structure varies with the tools used to create the portfolio; most often common data formats (documents often converted to HTML, PDF)	Data structure most often uses a relational database to record, report data
Primary type of data: qualitative	Primary type of data: qualitative and quantitative
Data storage in multiple options: CD-ROM, videotape, DVD, WWW server, LAN	Data storage primarily on LAN or on secure WWW server
Visual design and hyperlinks most often under control of portfolio developer	Visual design and hyperlinks most often controlled by database structure
Student-Centered	Institution-Centered



Address: file:///localhost/Documents/Web%20Pages/helenbarrett.com/examples/baylor.html

Login : Messenger Express Learning Central Splash PowWeb Member Operations Yahoo! Calendar - helenbarrett Google

Baylor University Example

Student E-Portfolio (appears in this upper window for review)

Assessment database (lower window)

Student Name

Rubric for Assessing e-portfolio against rubrics

Standard Rating: 1- Developing 2-Nearly Meets 3-Meets 4-Exceeds

Clearinghouse on Electronic Portfolio and Performance Assessment in Teacher Education

- **<http://cnets.iste.org/state/>**
- Timeline:
 - Database design: May 2003
 - Data Focus: Performance Assessments of NETS-T
 - Data Collection: June 2003 - December 2003
 - Data Analysis: On-going
 - Results Posted: Spring 2004



Collaboration with other e-portfolio projects

- **AAHE** redesigned database on Electronic Portfolios will hold e-portfolio data
- **NLII** (Educause) may be developing criteria for online portfolio systems
- **AAHE & NLII** Virtual Community of Practice
- **Open Source Portfolio Initiative (OSPI)** revising an existing product (U. Minnesota)
- **SITE** Interest Group on Assessment & e-Folios
- A consumers' guide to commercial e-Portfolio providers is under development

Concerns

- The PT3 grants involved Higher Education community in this in-depth discussion of electronic portfolios
- Educause/NLII has raised the discussion approaching the level of developing design criteria -- similar to the development of the IMS Standards in the mid-90s
- There is not a similar discussion taking place in the K-12 community, even with NCLB & EETT
- Virtually all of the assessment efforts in NCLB have focused on traditional assessment (testing) and not on alternative assessment, such as portfolios

Thank you

For more information go to www.iste.org or contact us at

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