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### Compared to what? Reconsidering assessment in higher education

Gary R. Brown Portland State University

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## Compared to What?

## **Reconsidering Assessment in Higher Education**

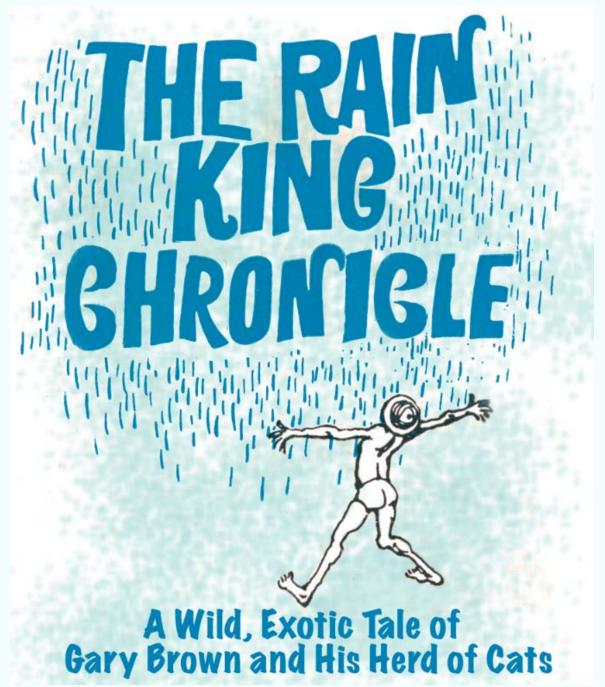
### **Gary Brown**

browng@wsu.edu
Senior Scholar, AAC&U
Co-Director, AAEEBL
Teaching, Learning, & Assessment Consultant

January 29, 2011 Hyatt Regency San Francisco, California







## National Institute for Learning Outcomes Assessment

November 2009

## Assessment, Accountability, and Improvement:

Revisiting the Tension

Peter T. Ewell

Foreword by George D. Kuh



Occasional Paper #1 learningoutcomesassessment.org

# "There is a tension between accountability and improvement."

—Peter Ewell





"I was convinced 20 years ago that widespread institutional attention to designing robust assessment-forimprovement programs and to taking visible action based on evidence from these programs would be sufficient to provide accountability—and would obviate the need to report measures of student achievement that can be benchmarked or compared."

"I do not believe this today. We will need to do both in the coming years, buying the necessary time to accomplish the more needed and desirable task of building institutional infrastructures for evidencebased continuous improvement with public performance reporting" (Ewell, 2008b).

http://www.learningoutcomesassessment.org/documents/PeterEwell 006.pdf





## Measure or Perish

December 2010

## "The time is drawing to a close."

## Measure or Perish

December 2010

If higher education has the courage to take responsibility for honestly assessing student learning and for publishing the results, the measuring stick will be a tool. If it doesn't, the stick could easily become a weapon.



## Report: States Quietly Raising Speed Limits Near Failing Schools



## Measure or Perish

December 2010

Yet the prevailing attitude toward assessment still ranges from infinite caution to outright hostility.

**—Kevin Carey** 

http://chronicle.com/article/Measure-or-Perish/125671/

"Knowing how much value an institution adds to student outcomes is, to some, a very important measure of student success."

-McPherson & Shulenberger

Student Achievement at the Institutional and Degree Level Guidance on Disclosing Data to External Audiences, 2009, pg 9

http://www.wascsenior.org/findit/files/forms/Task Force Report on 1.2 Transparency Accountability .pdf



### Voluntary System of Accountability Program®

**Undergraduate Education Reports** 



INSIDE VSA

Home

About VSA

About the College Portrait

VSA Participants by State

VSA Research

Learning Outcomes Workshops

VSA Background & Development

Sign up for VSA

Contact Us

Participant Login

#### The VSA Online

The Voluntary System of Accountability (VSA) is an initiative by public 4-year universities to supply basic, comparable information on the undergraduate student experience to important constituencies through a common web report – the College Portrait.

The VSA was developed in 2007 by a committed group of university leaders and is sponsored by two higher education associations - the Association of Public and Land-grant Universities (APLU) and the Association of State Colleges and Universities (AASCU).

Development and start-up funding was provided by the Lumina Foundation. Beginning in 2010, the VSA is supported by the participating institutions through annual dues.

#### In the News ...

#### VSA College Cost Calculator Released

A net price calculator meeting HEOA requirements is now available for VSA institutions through the College Portrait website. Click here for demo.

#### **Test Validity Study Results**

Study provides strong evidence of consistency across CAAP, CLA, MAPP. (posted 10/1/09)

Click Here for Research Webpage.

#### **Learning Outcomes Workshops Successful!**

Nearly 142 people representing 75 institutions heard national research results and shared best practices for turning learning outcomes test results into institutional improvement during summer 2010.

Click here for more details.

#### Visit the College Portrait Website!

Explore over 300 college portraits from public universities across the nation at

www.collegeportraits.org.

## Masada 72 AD

Romans breached the wall of the fortress. When they entered the fortress they discovered that its 960 inhabitants had set fire to everything and committed mass suicide.

## ASSESSMENT TO IMPROVE

All of the CLA's products and services center on open-ended performance tasks that mirror the types of challenges students will be faced with after graduation. CLA Performance Tasks are designed to measure growth in four key areas:

# CRITICAL THINKING ANALYTIC REASONING PROBLEM SOLVING & WRITTEN COMMUNICATION

randomly assigned a CLA task. Students sit for the assessment for approximately 90 minutes. Freshmen test within a 10-week fall window. Seniors test within a 10-week spring window.

To enroll, contact cla@cae.org or 212.217.0700.

These tools accentuate the importance of using assessment as a means to improve teaching and learning, not just as an exercise in accountability.

For more info, contact classroom@cae.org or 212.217.0700



## **Collegiate Learning Assessment**



"The vast mallittle choice a primary drive location and

"Even where a selective instite education, info performance is



U.S. exercise because the stitution

xist among ier

zemsky, 2005, in Ewell, 2010



## Academically Adrift

## Is this OK?

"By every possible measure the majority of college graduates are far from prepared for the challenges of either the economy or our democracy."

—Carol Geary Schneider, president
American Association of Colleges and Universities
<a href="http://www.aacu.org/liberaleducation/le-wi10/le-wi10">http://www.aacu.org/liberaleducation/le-wi10/le-wi10</a> president.cfm

## "Weighing the lamb doesn't fatten the lamb!"



-Jonathan Kozol

## "Trust us." Won't Cut It Anymore

http://chronicle.com/article/Trust-Us-Wont-Cut-It/125978/?sid=at&utm source=at&utm medium=en

Kevin Carey

January 18, 2011

Deep down, everyone knows that learning has long been neglected. But they don't want to know.

Policy makers don't want to know.

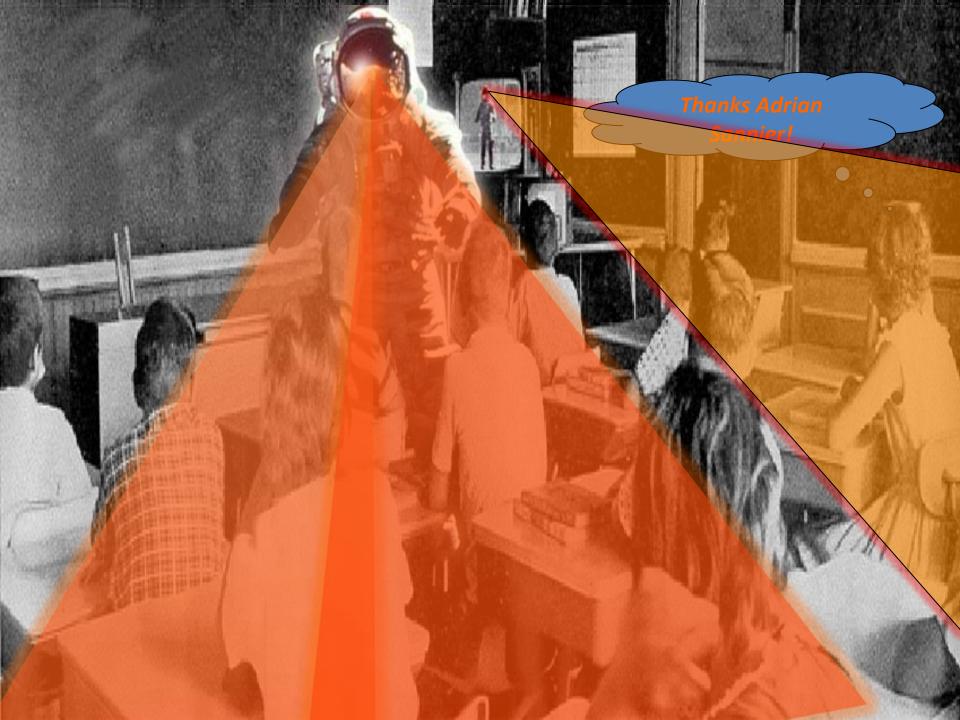
Faculty don't want to know.

Students don't want to know.

College presidents don't want to know, because fixing the problem means arguing with faculty.



"Daddy works in a magical, faraway land called Academia."



## The Institutional Response

## **The Good Old Days**

	My Class	Your Class	His Class	Her Class	Another Class
1 <sup>st</sup> Year Content	<b>V</b>				
2 <sup>nd</sup> Year Content					
3 <sup>rd</sup> Year Content					
4 <sup>th</sup> Year Content					
Capstone Content					



## When is an e-Portfolio not an e-Portfolio? The Association of Aut English and 2010 [William Balling and Balling an

The Portfolia chauld not be considered as a life of the life of evidences."

The Portfolia chauld not be considered as a life of evidences."

The professional association to

appropriate completed exemplars

folio should be seen as that selections between work in progress of which in the learner feels are the being processes."

"The e-Para mould be that organised and well presented by intell cor tor a particlar audience."

## **Common ePortfolio Assessment Matrix**

	Outcome #1	Outcome #2	Outcome #3	Outcome #4	Outcome #5
1 <sup>st</sup> Year Content					
2 <sup>nd</sup> Year Content					
3 <sup>rd</sup> Year Content					
4 <sup>th</sup> Year Content					
Capstone Content					





## Margo Responds

http://indigifem.blogspot.com/2010/01/new-toy-map-universe-naah-its.htm

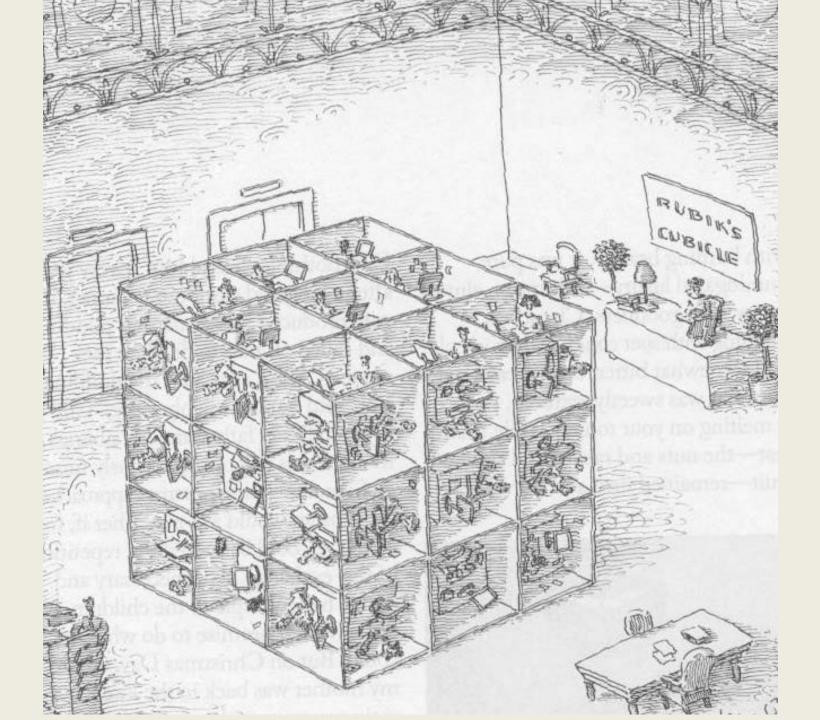
"I would advise anyone who is seriously committed to the larger structural uses of E-portfolios by contemporary students-who by the way do not view the college classroom as their most significant 'center' of knowledge and tool acquisition-- to examine their assumptions about knowledge and power and the political will of the Indigenous peoples."

We need a new framework. Why such rigid parameters about the 'tumble' of what comprises knowledge and the process of creation and synthesis?

This makes students' real lives, experiences and real 'selves' rather flat and ordinary and I must also add, rather 'lumped' together in predictability.

Aren't we really having layered conversations at each other and not with each other, referring to the always flattening strata created by this approach to thinking about learners' ways of knowing and being ...? You speak to the layer of the strata which owns you...and which you work for, truly.

Who is the efolio or eportfolio truly for? Judges?







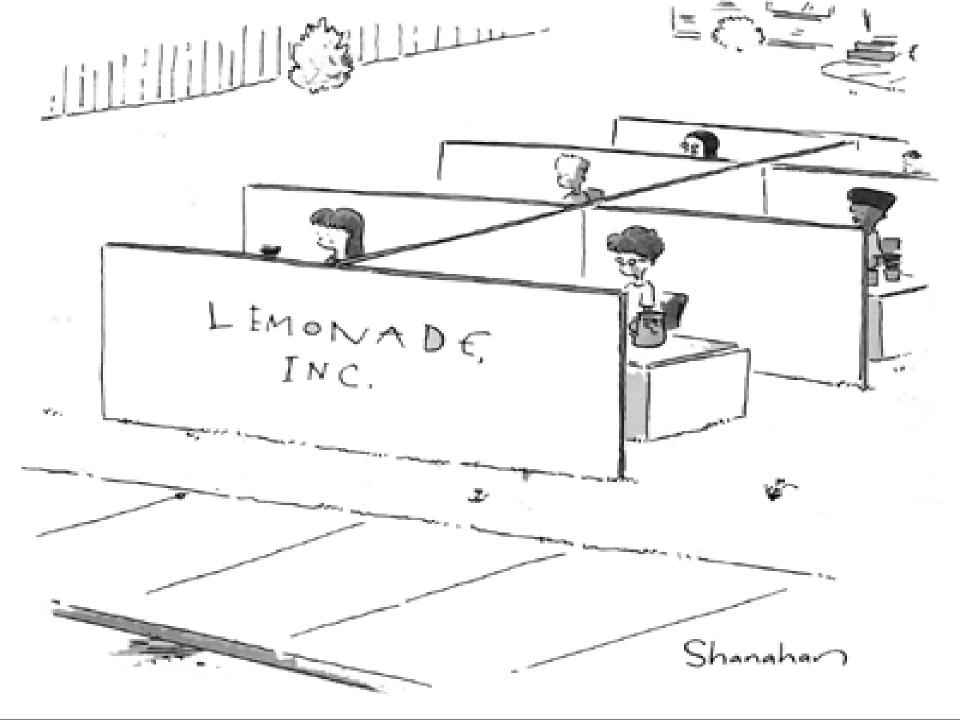
# **The Creativity Crisis**

http://www.newsweek.com/2010/07/10/the-creativity-crisis.html

### American creativity scores are falling.

A recent IBM poll of 1,500 CEOs identified creativity as the No. 1 "leadership competency" of the future.

# Preparing Tomorrow's Workforce!





"I'll be happy to give you innovative thinking.

What are the guidelines?"

# The WSU Inter/National Coalition For Electronic Portfolio Research Study



### Promote > Student Agency

Hi-Jacked with Course Management Systems

**Teacher-Centered** 

**Learner-Centered** 

**Learning-Centered** 

Assign Task

Cooperate

Help Define

Study & Perform

Study, Interact, Reflect & Perform Study, Collaborate, Discover, Reflect Generate

Test & Submit

Test & Submit

Share Beyond Class

### **Key Findings**

### **Learning-Centered**

- 1. Are likely to be familiar with ePortfolios & interested in adoption
- 2. Value learning growth & sharing knowledge over term
- 3. Significantly value using multimedia
- 4. Significantly value building community

# **Key Findings**

### **Learner-Centered**

- 1. Significantly value learning growth & sharing knowledge over term
- 2. Low value in building community
- 3. Significantly value using multimedia

## **Key Findings**

### **Teaching-Centered**

- 1. Value course management
- 2. Do NOT value
  - learning growth
  - sharing knowledge
  - building community
  - using multimedia
- 3. Are unfamiliar with ePortfolios & not likely to use
- 4. Request training on tools and on the value of the tools.

# Demographics

- No significant difference by rank
- No significant difference by teaching experience
- Gender difference in perceived challenges:
  - Male faculty < Female faculty</p>





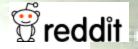














































katrinalist.net...

Zoho Writer





Rallypoint

## memeorandum







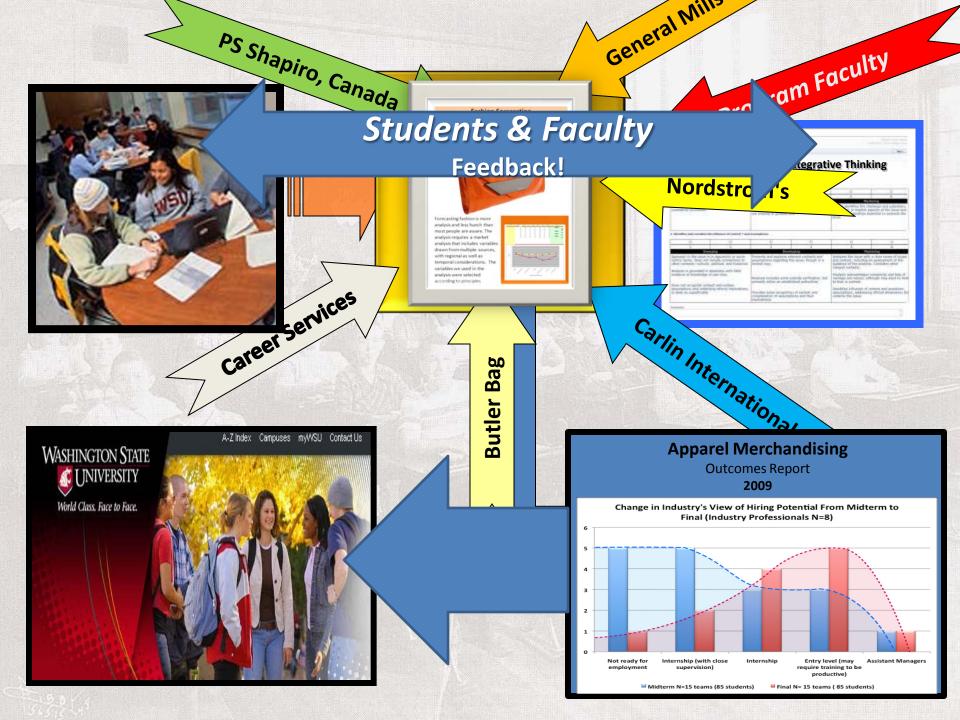




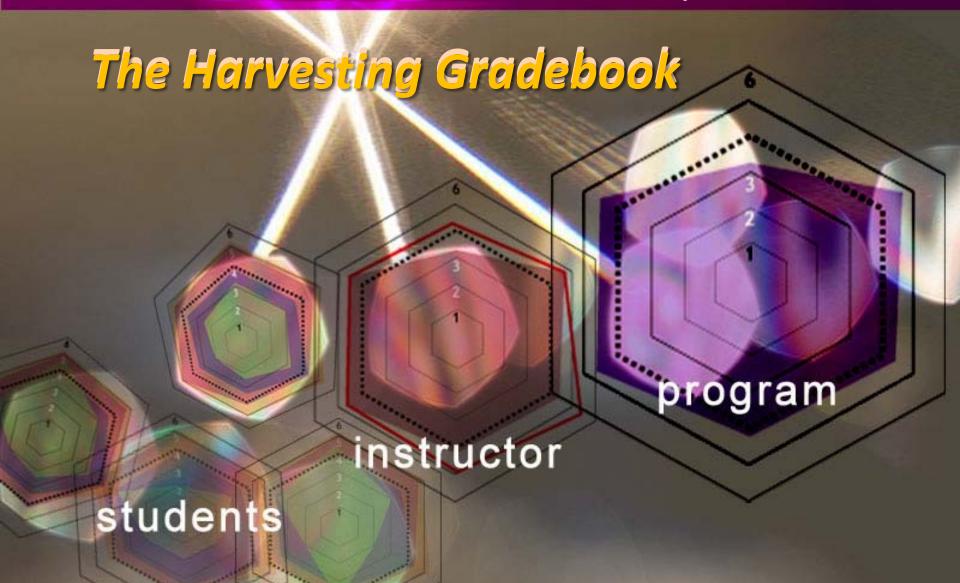
# The WSU Initiative

# "An emerging, complex and adaptive system..."

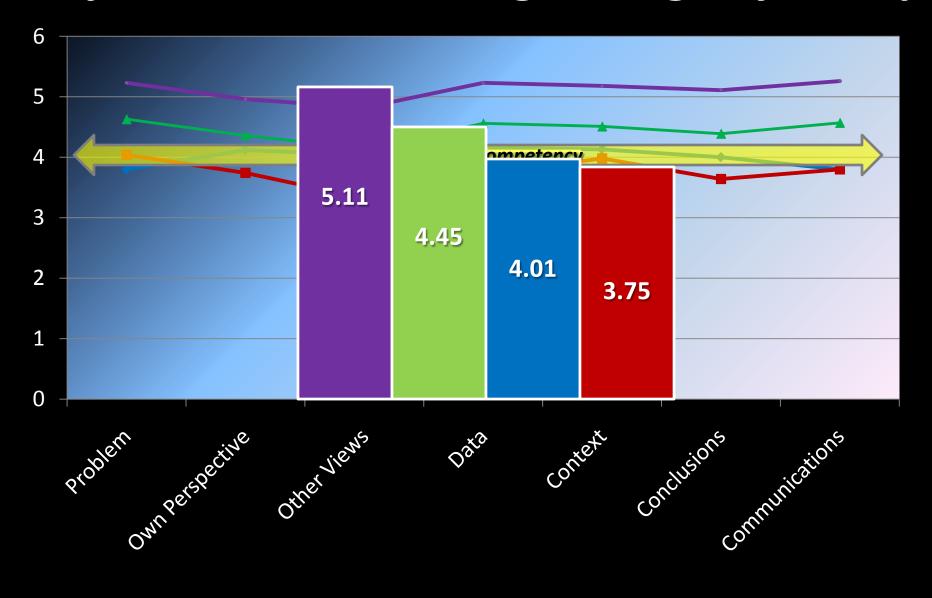
-Mark C. Taylor



Feedback can be routed back to multiple audiences.



# **Project Critical Thinking Ratings by Group**



→ Faculty → Industry → Peers — Self

"A class of experts is inevitably so removed from common interests as to become a class with private interests and private knowledge."

—John Dewey

### Faculty

address adequate alternative althous analysis peropriate aspects bag begins clear clearly Conclusions confused consequences context demonstrates details dim evaluating evidence extending format general glossed ideas incorrect issue justifies key meet missing nuances organization parameters position predictable presents problems product provide qualify relate safe searching selecting single skill sources summarizes views

### Industry

analysis aspects bag clear clearly color conclusions consequences consider context data design details discuss evaluation evidence extending fails format piece ideas identifies implications information integral issue justifies lacks logical market missing needs nuances organized perspectives position possible presents problem product qualify research search selection single skills source summary support views

# **Employers Say...**

"My business partner and I were so impressed with the work of the students assigned to our two teams that we have asked them to contact us regarding summer internships..."

"We would be happy to participate in similar projects in the future and/or arrange introductions to other companies who might also be interested."







INSIDE VSA

Home

Community Based Learning

Participant Login

### Voluntary System of Account

Undergraduate F



de Portrait.

ped in 2007 by a committed group of Laers and is sponsored by two higher education Lauons - the Association of Public and Land-grant Universities (APLU) and the Association of State Colleges and Universities (AASCU).

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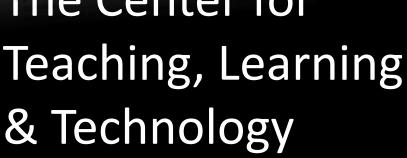


- 1. Institutional SYSTEM of assessment
- 2. Assessment review every 2 years
- 3. Professional Accreditation will not suffice for NWCC&U

# "All means all."

**Northwest Commission for Colleges and Universities to WSU** 

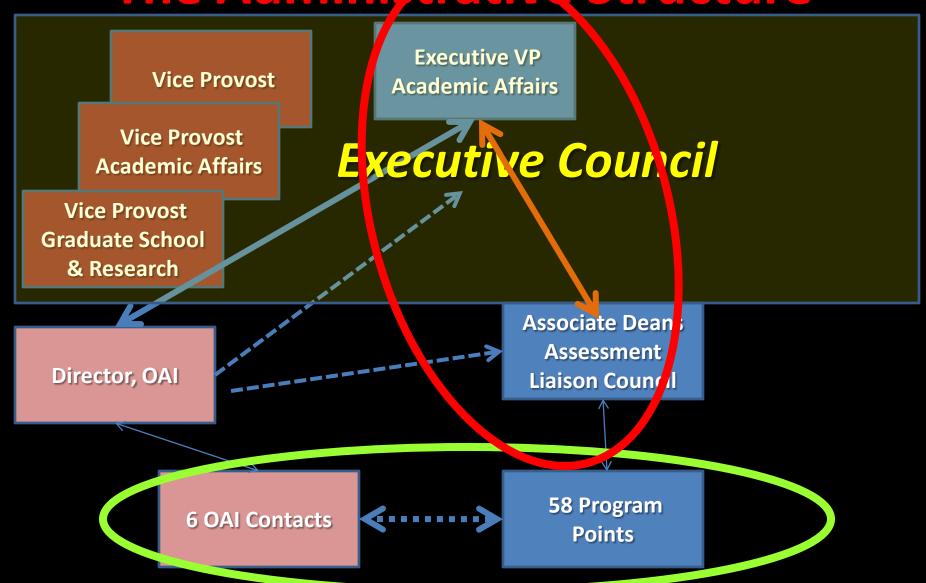


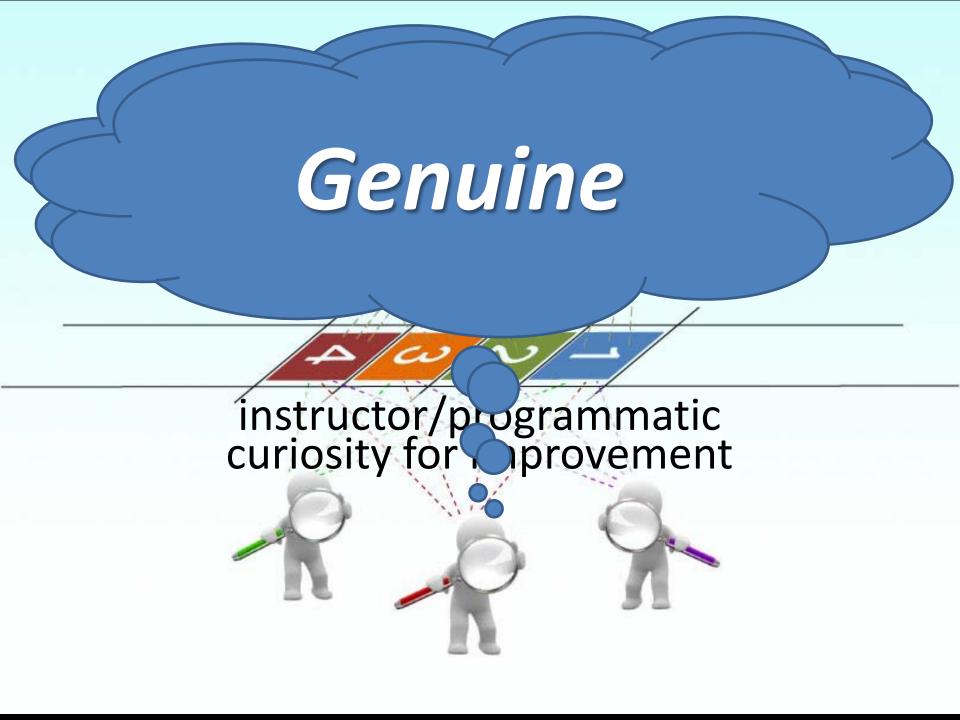




# From student ePortfolios to Institutional Assessment Portfolio

# The Administrative Structure





#### **Genuine Evaluation**

Patricia J Rogers and E Jane Davidson

#### 5 important attributes:

- 1. VALUE-BASED -transparent and defensible values, criteria of merit and worth and standards of performance
- 2. EMPIRICAL credible evidence about what has happened and why
- 3. USABLE reported in such a way that it can be understood and used by those who can and should use it
- 4. SINCERE a commitment by those commissioning evaluation to respond to information about both success and failure
- 5. HUMBLE acknowledges its limitations

FAKESINCERITY
YOU CAN
FAKE
YOU CAN
FAKE
PRETTY MUCH
ANYTHING

#### The Three WSU Assessment Goals

- 1. Establish a system of asse individual student or agency.
- 2. Establish (fee mprovement in teac
- 3. Deep or organizational understanding of the variable uses (and misuses) of assessment.

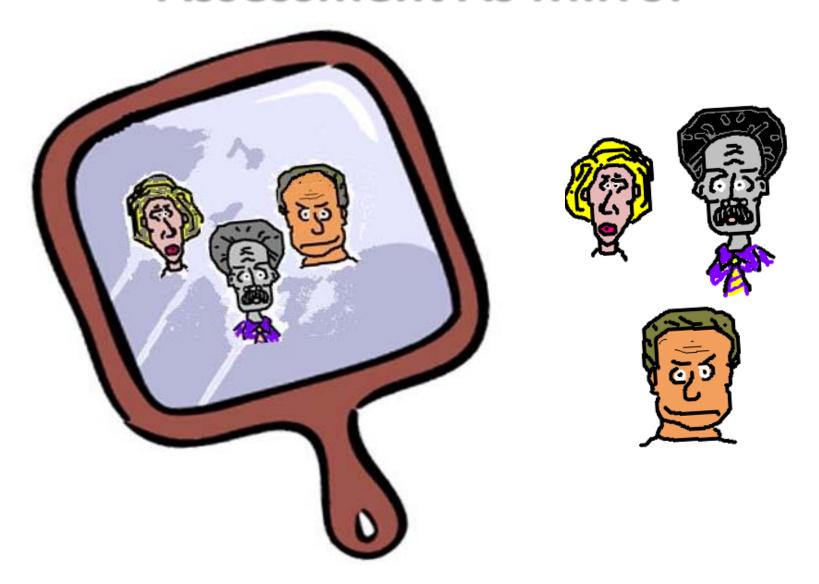
#### **Assessment As Lens**







#### **Assessment As Mirror**



#### **Assessment of Assessment**

#### Overview

It is expected that each program will focus and implement assessment in ways appropriate to its own distinct context, needs, and questions.

1		Minimal		Emerging		Developing		Adequate		Effective		Outstanding	
	0		1		2		3		4		5		6
	ABSENT	The ass involve employ	sessmen d with tl yers) as a	t process ne progra ppropria	m and sengages am (crossate. The sengages at sengages)	s program s-institu system is	m faculty tional fac	culty, acc	creditors	, alumni	, advisor	y boards	, and

		Minimal		Emerging		Developing		Adequate		Effective		Outstanding	
	0	0 1 2 3 4 5											6
2	ABSENT	Goals a	nd outc	omes ref ives. Mu	lect stak Itiple evi	eholder dence-b	ased me	us and, c asures a	curricular re compl	ementa	ent, and ry and ar I informa	e design	100 D 3 T 100 T 10

		Minimal		Emerging		Developing		Adequate		Effective		Outstanding	
	0	1 2 3 4 5											6
3	ABSENT	Assessi progra actions	m person	tem info nnel in th ny includ	orms and ne schola e change	guides of ership of es and im	teaching provem	g and lea ents to p	rning. The	nere is fo	llow-thr la, facul	rumenta ough wit ty experier	:h

\*It is not necessary to fill out the "Analysis and Action Plan" section for the December 18, 2009 report.

		Minimal			Emerging		Developing		Adequate		Effective		Outstanding	
	0		1		2		3		4		5		6	
4	ABSENT	The ass signific assessr	sessmen ant alloc ment pro	t process ation of ocess yie	time and	tized and d resource mation u	d robust ces. The sed by a	ly suppo policy en dministr	ngages al ation an	l relevar d faculty	leaders, nt stakeh with de	olders. T	he	

#### **Focus on Program Assessment**

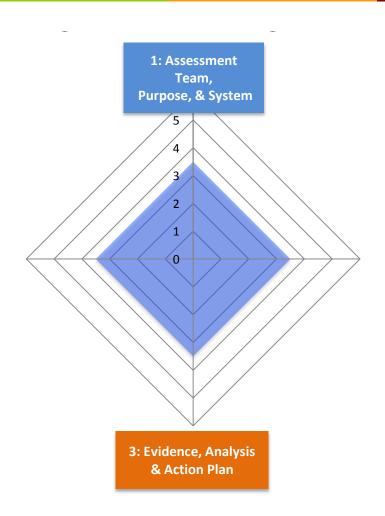
Team & System

Goals & Measures

Evidence & Action

Leadership

4: Administrative Leadership & Support



2: Program Learning Goals, Outcomes, & Measures



#### **Team and System**

"To be ultimately successful, any meaningful assessment effort must be embraced widely by instructors."

—From "Assess This!"

"Online assessment communities link local faculty members in collaborative work to develop shared norms and teaching capacity, and then link local communities with each other in a growing system of assessment."



#### Goals, Outcomes, Measures

For assessment to "have meaning beyond an individual institution:"

- Are public and shared with those who have responsibility for teaching and learning—not the federal government, and not the testing companies.
- 2. Anchored "in the curriculum that faculty teach."<sup>2</sup>

<sup>2</sup>(New Leadership, Student Learning, Accountability, AAC&U p.5)

- 3. Are understandable to someone other than the institution itself.
- 4. Reflect "some kind of standard."



- "The self assessment and a block assessment completed by on
- 3. Vstudents have been in place for
  - 5-6 years. There is lots of
  - tradata. I am not aware that it has been used in any way."

—Grant Wiggins

at

Assessing Student Performance.

Policy makers and the news media should be less concerned with where an institution falls in the performance distribution than with what the results signify and what is to be done about them.

#### Leadership

"One factor really helps make institutional effectiveness successful—If institutional leaders really value assessment results and use them to inform important decisions on important goals."

Linda Suskie, Vice President
 Middle States Commission on Higher Education

# Quality?

# Systematic Responsiveness to Changing

Contexts

## What to Report?

#### Here's Looking at You:

## Transparency, Institutional Self-Presentation, and the Public Interest

Alexander C. McCormick

November/December 2010 Change, , pp. 35-43.

"Transparency demonstrates that the academy takes its education mission seriously."

## "Such openness is risky."

## Transparency....

### "Strategic Image Management"

—Alexander C. McCormick November/December 2010 Change, , pp. 35-43.

#### Dear .... Alumni and Friends

January 4, 2011

I am pleased to announce that, once again our university is ranked among the "Best Values for Public Education" by *Kiplinger's Magazine*.

Factors contributing to our success include low student-to-faculty ratio (15:1) a solid freshman retention rate (84 percent), and a high-quality education....

- US News and World Report's ranking of .....
- the Wall Street Journal's top-25 ranking of ....

We are confident that the rest of the country is hearing the message that all of us have long .....

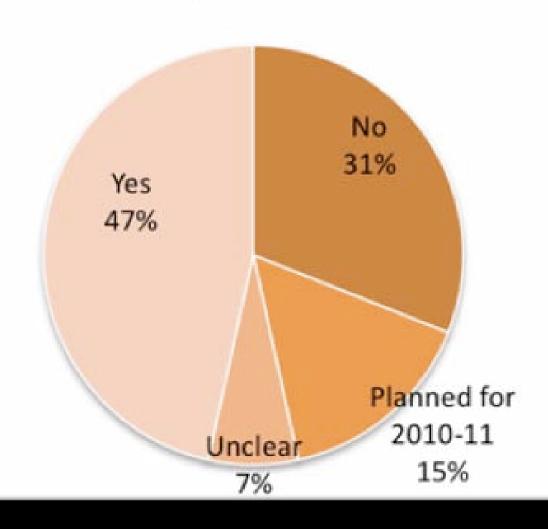
The emphasis should be on transparency regarding a different part of the assessment cycle: action plans and interventions, followed by careful evaluation of whether those interventions achieve the desired results" (43).

#### What to Report?

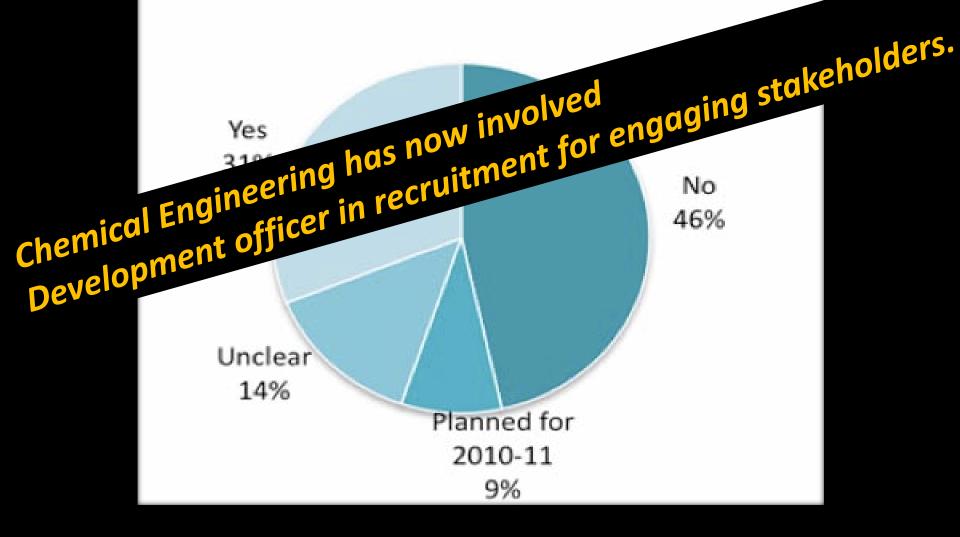
The percentage of programs collaborating with communities of practice....

25% at December 2009 Report— 47% in fall 2010

### Stakeholders Have Reviewed Goals/Outcomes



## Stakeholders Have Reviewed Student Work



#### What to Report?

WSU's Progress on Establishing a Robust Systems of Assessment

#### WSU Assessment System—Year 1

	Team & System	Goals & Measures	Evidence & Action	Leadership
Number of Programs	58	58	58	58
Mean	2.38	2.56	2.05	2.06
Standard Deviation	1.06	1.04	1.00	1.11
Minimum	0.5	0.5	0.5	0.5
Maximum	6.0	5.5	6.0	6.0
1st Quartile	1.5	2.0	1.5	1.0
Median	2.5	2.5	2.0	2.0
3rd Quartile	3.0	3.5	2.5	3.0
Mode	{2.0}	{2.0}	{2.0}	{1.0}
Inter-Rater Reliability (allowing 1 point difference)	79%	86%	74%	82%

The initial assessments of WSU's programs reviewed anonymously and reliably (see last line of the Table above) using the Guide to Effective Assessment. Additional analysis of these benchmark scores confirms that "Leadership" is the single best predictor of a program's assessment.

### **Year One Results**

WSU College Program Program Agricultural\_and\_Food\_Systems Agricultural and Food Systems Engaging 6.0 Refining 4.5 Developing 3.0 Leadership Initiating 1.5 Action Plan 2 Goals & Measures 3



#### Year One Results

College WSU Program College Engineering\_and\_Architecture Engineering and Architecture (9 of 9) Engaging 6.0 Refining 4.5 Developing 3.0 Ream & Pùrpose 2.6 Leadership 2,0 Initiating 1.5 Action Plan 2 Goals & Méasures 2.6

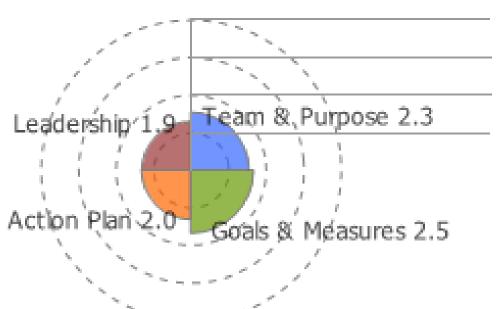
#### **Year One Results**

WSU

College

Program

WSU Overall System of Program Assessment



Engaging 6.0

Refining 4.5

Developing 3.0

Initiating 1.5







#### What to Report?

Outcomes Mapped to WSU's

6 Goals

of the Baccalaureate

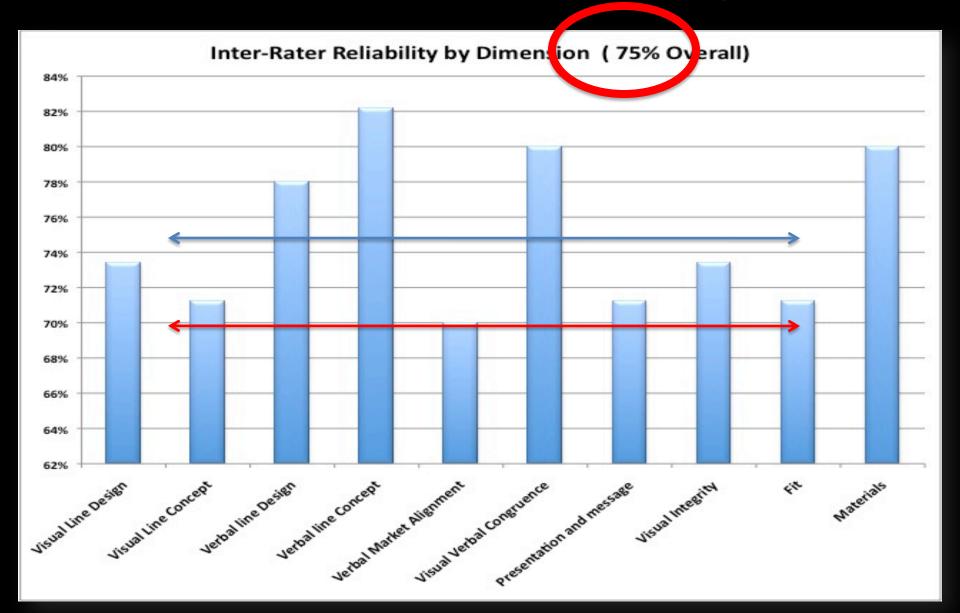
# Mapping AMDT Design Outcomes to the WSU 6 Goals of the Baccalaureate

	Visual Line Design	Visual Line Concept	Verbal line Design	Verbal line Concept	Verbal Market Alignment	Visual Verbal Congruence	Presentation and message	Visual Integrity	Fit	Materials
Critical & Creative Thinking			<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>			
Quantitative & Symbolic Reasoning	<b>✓</b>	<b>✓</b>						<b>✓</b>	<b>✓</b>	
Research & Investigation					<b>✓</b>					
Communication	<b>✓</b> [	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b> [	<b>✓</b>	<b>✓</b>	<b>✓</b>
Responsible World Citizenship					<b>✓</b>					
Disciplinary Competence	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>

### **Mapping Program Goals to WSU 6**

	Visual Line Design	Verbal Line Concept	Verbal Line Design	Verbal Market Agreement	Visual Verbal Congruence	Presentation & Message	Visual Integrity	ŧ	Materials	WSU 6 Goals
Critical & Creative Thinking			3.77	3.58	3.89	3.76	3.79			3.8
Quantitative & Symbolic	3.88	3.95						3.53	3.92	3.8
Research and Investigation					3.89					3.9
Communication	3.88	3.95	3.77	3.58	3.89	3.76	3.79	3.53	3.92	3.7
Responsible World Citizenship					3.89					3.8
Disciplinary Competence	3.88	3.95	3.77	3.58	3.89	3.76	3.79	3.53	3.92	3.7

### Inter-Rater Reliability

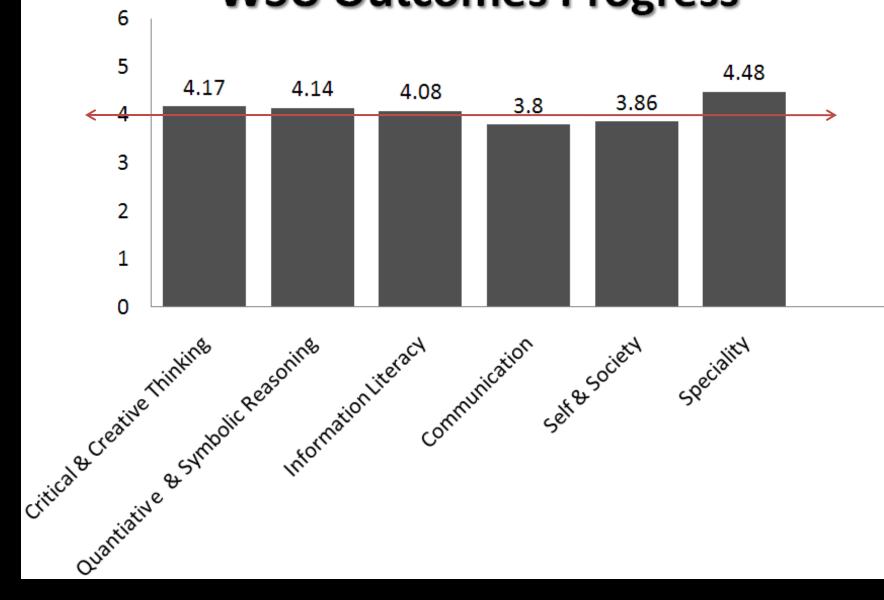


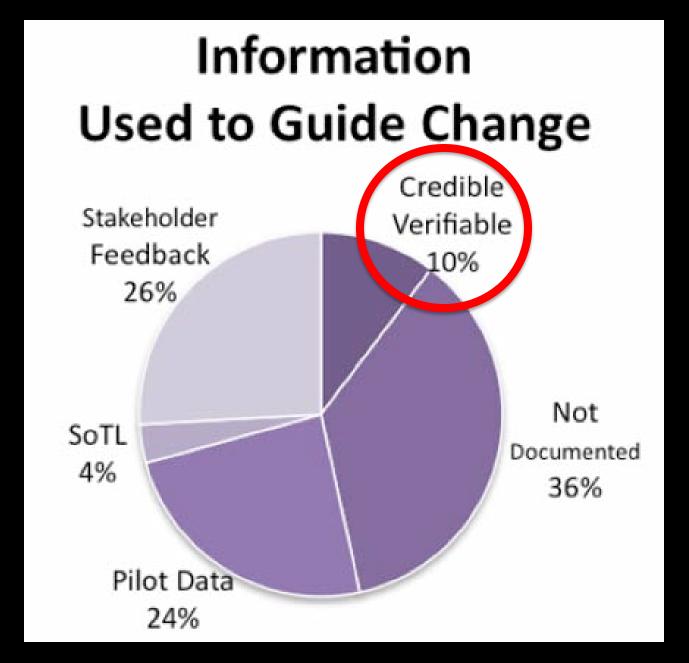
## 1190 Graduating Students

#### 17% of WSU Undergraduate Programs

### Almost 20% of Graduating Class





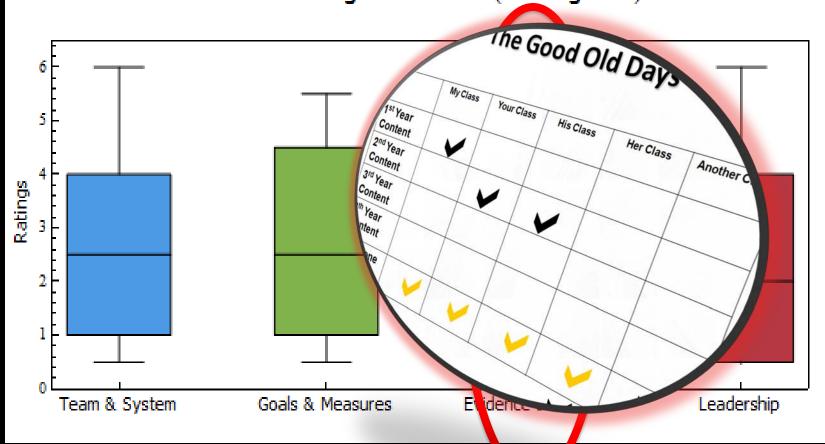


Information type WSU Programs used in the 2009-2010 cycle to inform or guide change

## What to Report?

# WSU's Progress on Closing the Loop

#### Review of WSU Learning Outcomes Assessment 2010 Box covering 90 % of data (58 Programs)



Most "plans of action" in the first year of the WSU model have focused on assessment modifications or, occasionally, on adding or cutting courses.

The goal of the process is ultimately enrichment of student learning opportunities, and to that end ongoing professional development will be essential.

# What is Learned R Applied

## Sample Findings

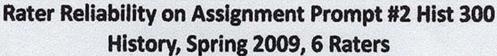
#### Finding:

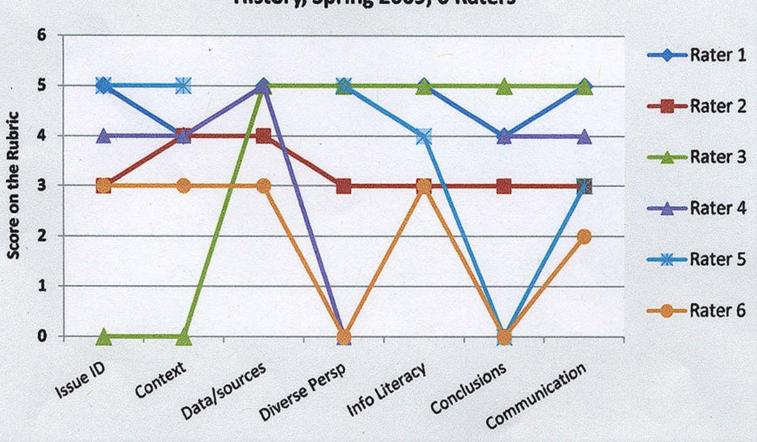
More than 50% consistently fail intro calculus

#### **Action:**

- 1. Ask Why
- 2. Follow Successful Students
- 3. Experiment
  - 4. Isolate Problem— *exponentials*

## Sample Findings





### Sample Findings

Finding:

**Action:** 

Inconsistent perceptions of goals, performance expectations as reflected in assignments and grading....

"Imagine how students perceive our curriculum?"

Initiate peer assignment review.

## What NOT to Report?

### On the other hand...

http://chronicle.com/blogs/measuring/measuring-student-learning-many-tools/27541



## Action:

Deploy admissions

Deploy admissions

to screen out at-risk students.

#### Finding:

Graduating seniors are weak on global, cultural and societal contexts," and "They were not quick to identify the areas in which they were ignorant."

#### **Action:**

Report that students are meeting expectations.

#### Finding:

A majority of majors did not "meet expectations" on any outcomes.

#### **Action:**

- Raise entry requirements
- 2. Provide more rigor in required courses.
- Lower expectations given the quality of the students.



### Action: qualified Dismiss senior feedback Contention: rom a senior and an alumni survey program, am entical. are. findings

y regarding

Finding: Action:

"We are giving too many 4's."



## Is this OK?

## Sample Feedback

#### Junior faculty:

"How should we respond to the Office of Assessment's feedback on our assessment plan?"

#### Tenured professor:

"Oh -kiss my ass! I have been here long enough to know that THAT thing will be flushed down the toilet, so I wouldn't worry too much."

"The future effectiveness of institutional accreditation in both promoting good practice and in reinforcing the academy's assumption of consistent and transparent standards of student academic achievement lies entirely in the hands of the academy and its leadership."

—Peter Ewell

## Epilogue

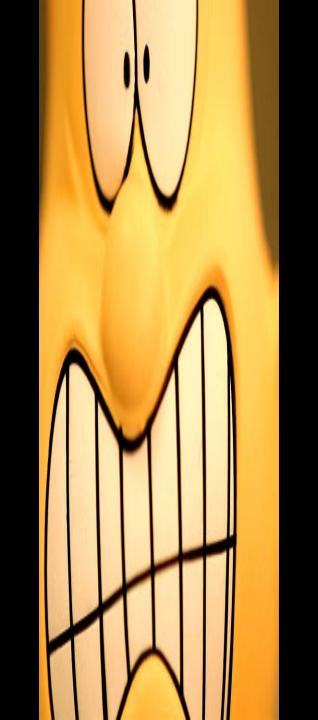
#### Finding:

Report submitted to NWCC&U in October...

The report reveals that 33% of units have reported perfunctory assessment results.

#### **Action:**













Bereiter, C., & Scardamalia, M. (1983). Levels of inquiry in writing research. In P. Mosenthal, L. Tamol Messy Excellence **Decision Point Problem Minimization**