Global Learning for Teachers, Counselors and School Administrators: Preparation and Practice

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Outline of the Presentation

- Factors Affecting Education Worldwide

- The Changing World of Higher Education

- Future Learning Environments for Children

- What Colleges of Education <u>Must</u>
  Do to be Prepared

Four Key Factors Affecting Education Worldwide

Immigration

United States

http://www.census.gov/popclock/

- 320 million
- 41.3 million immigrants

California

- 38.8 million people
- 28% of the US immigrants live in California
- 8.6 million first-generation immigrants making it the state with the largest foreign-born population
    1. Latin America
    2. Asia
    3. Europe
    4. Africa
- Countries: Mexico, Philippines, Vietnam

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Do you have any students who are immigrants in your school or college?

If yes, where are they from?

What are the implications for you and your organization?

Another Key Factor Affecting Education Worldwide

Communication Technologies

Technology Trends

- In 2013, 97% of US teachers had a computer in their classroom.

- Nearly 100% of schools in US have access to the internet.

- Great disparities in access for students.

- Approximately 4 million tablets will be purchased by school districts this school year (2014-2015).

Technology Trends

- In 2000, roughly 45,000 K-12 students took an online course. In 2009 more than 3 million K-12 students did. (Horn & Staker, 2011)

- Data suggest that by 2019 approximately 50% of high school courses will be taught on line.

   (Christensen, Horn & Johnson, 2008)

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- What types of technology are available in your school? For teachers and other educators? For students?

- What are the key issues around technology in your school (or the schools with which you work)?

Transnational Teacher Migration

Top 15 Migrant Sourced Countries for Teaching Professional in the US

- Mexico
- China
- Germany
- India
- Canada
- Great Britain
- Puerto Rico
- South Korea
- Philippines
- Cuba
- Japan
- Italy
- Jamaica
- Taiwan
- France

- 67,520
- 38,615
- 38,150
- 32,600
- 32,105
- 29,500
- 28,110
- 20,035
- 18,510
- 17,550
- 16,180
- 11,660
- 11,645
- 11,170
- 10,741

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- Does your school or college have educators from other nations?

- Were they US trained?

- Are they bilingual?

- Are they teaching in certain content areas?

The Internationalization of the University Curriculum

Worldwide Trends

- Greater numbers of university students studying abroad
- Increase in faculty working in other nations
- University faculty collaborating on programs and research with colleagues in other nations
- 'National' professional organizations becoming 'International' professional organizations

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What are your thoughts about…

University faculty collaborating on programs and research with colleagues in other nations—examples in your college?

'National' professional organizations becoming 'International' professional organizations-examples in your professional organizations?

So…if the following is happening…

US Enrollment:

- 75 million people enrolled in school Pk-20
- About 60% of 3- and 4-year-olds enrolled in nursery school
- 65% of children are enrolled in all day kindergarten classes; this is up from 20% three decades earlier
- 54.6 million (grades K-12) students this fall
- 40% of elementary and high school students are minorities (i.e., people who are non-Hispanic white)

Facts & Trends

- Nearly 10 million school-age children (5 to 17) speak a language other than English at home

- We have 6.5 million teachers and today California alone needs more than 25,000

- It is estimated that 2.2 million teachers will be needed in the next 10 years

- And, in California approximately 25% of students are dropping out of high school

And, at the same time public views are changing

- 88% of voters say they believe that schools can and should incorporate 21st century skills such as critical thinking and problem-solving skills, computer and technology skills, and communication and self-direction skills into their curriculum.

- 66% of voters say they believe that students need more than just the basics of reading, writing and math; schools also need to incorporate a broader range of skills.

- 53% say they believe schools should place an equal emphasis on 21st century skills and basic skills.

?

The pressure cooker – our educational system

Our educational system as a pressure cooker--a sealed vessel that does not permit air or liquids to escape below a preset pressure. Because the boiling point of water increases as the pressure increases, the pressure built up inside the cooker allows the liquid in the pot to rise to a higher temperature before the boiling. The only way steam can escape is through a regulator on the lid when the pressure builds up

The US educational system has been boiling slowly in the pressure cooker and now the fire has been turned up.

The regulator appears to be broken…what was steam slowly escaping is an explosion of steam due to the pressure.

How is your college responding?

Colleges of Education

Preparing—teachers, counselors, school administrators and others

Reports calling for the Internationalization of the Curriculum in Higher Education

- North Carolina in the World, 2006 (North Carolina Center for International Understanding)

- Teacher Preparation for the Global Age: The Imperative for Change, 2008 (Longview Foundation)

- Educating Leaders for a Global Society, 2005 (Asia Society)

TABLE 37. Should students spend more time than they now do on learning about other nations of the world and the way people live there, or do you think they already spend enough time now? (In 1980, this question was asked of parents only.)

	National Totals		No Children in School		Public School Parent	
	'07 %	'80 %	'07 %	'80 %	'07 %	'80 %
Spend More Time	57	--	58	--	55	45
Spend Enough Time	40	--	39	--	44	46
Don't Know	3	--	3	--	1	9

39th PDK Poll----the last time these questions were asked

TABLE 38. How important do you believe it is for all children in the United States to learn a second language in addition to English? Is it very important, somewhat important, not very important, or not important at all?

	National Totals '07 %	No Children In School '07 %	Public School Parents '07 %
Very + somewhat important	85	85	85
Very important	48	48	47
Somewhat important	37	37	38
Not very important	9	9	9
Not important at all	6	6	6
Not very + not at all important	15	15	15
Don't know	*	*	*

* Less than one-half of 1%

39th PDK Poll

TABLE 39. In your opinion, should instruction in a second language, that is, in addition to English, begin in elementary school, middle school, or in high school?

	National Totals '07 %	No Children In School '07 %	Public School Parents '07 %
Elementary School	70	69	72
Middle School	18	18	18
High School	11	11	10
Don't know	1	2	*

* Less than one-half of 1%

Trends

- Parents and nonparents want a curriculum with different skills including second languages

- There's an explosion of various types of technology

- National reports are calling for internationalization at the Pk-12 and college/university levels

- Lifelong learning is pervasive (extension classes, certificates, badges, micro-credentials)

- And…

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The Changing World of Education

- Higher education institutions have long had a monopoly in providing education, but increasingly, companies and public bodies possess knowledge that can be reused for educational purposes

- Education is under constant budget pressure, thus there is a need for more efficient and effective education.

- Students more and more are behaving like consumers who want to make informed choices.

- Faculty and teachers are exhibiting more job-hopping behavior than they did in the past.

- There are too many dropouts in the current educational system.

Solutions Are Being Offered

- Through the Internet, course material can be offered independently of time and place. Modularization makes it possible to offer different and flexible learning routes.

- An ever-increasing number of students have access to the Internet, whether at home or on campus. Costs of Internet access will continue to drop.

- More and more information is made available through the web. Search engines assure the accessibility of this material. Groupware allows (a)synchronous communication between teachers and students -- worldwide.
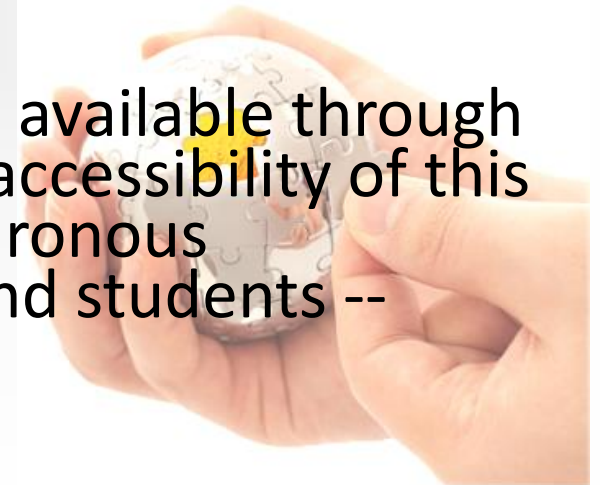
Solutions Are Being Offered

- Online market research is quick and easy, and this market information can be combined with transaction log data allowing institutions to monitor student response on an ongoing basis.

- A worldwide competition for education is possible and it is already apparent in the market for MBA courses and teacher education courses.
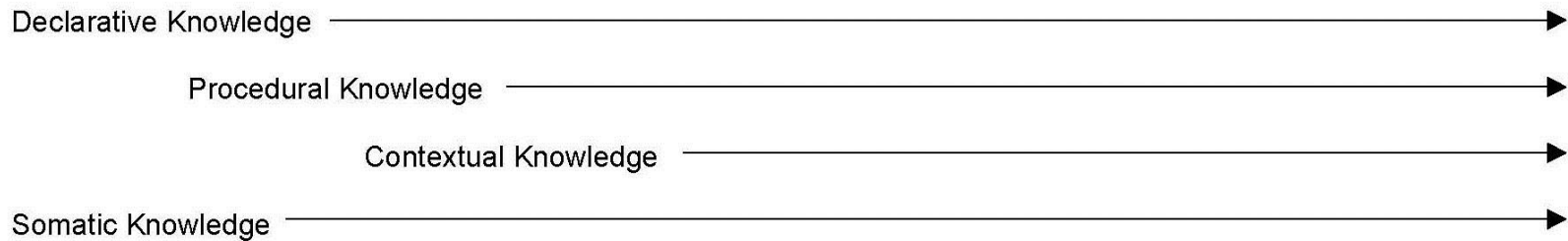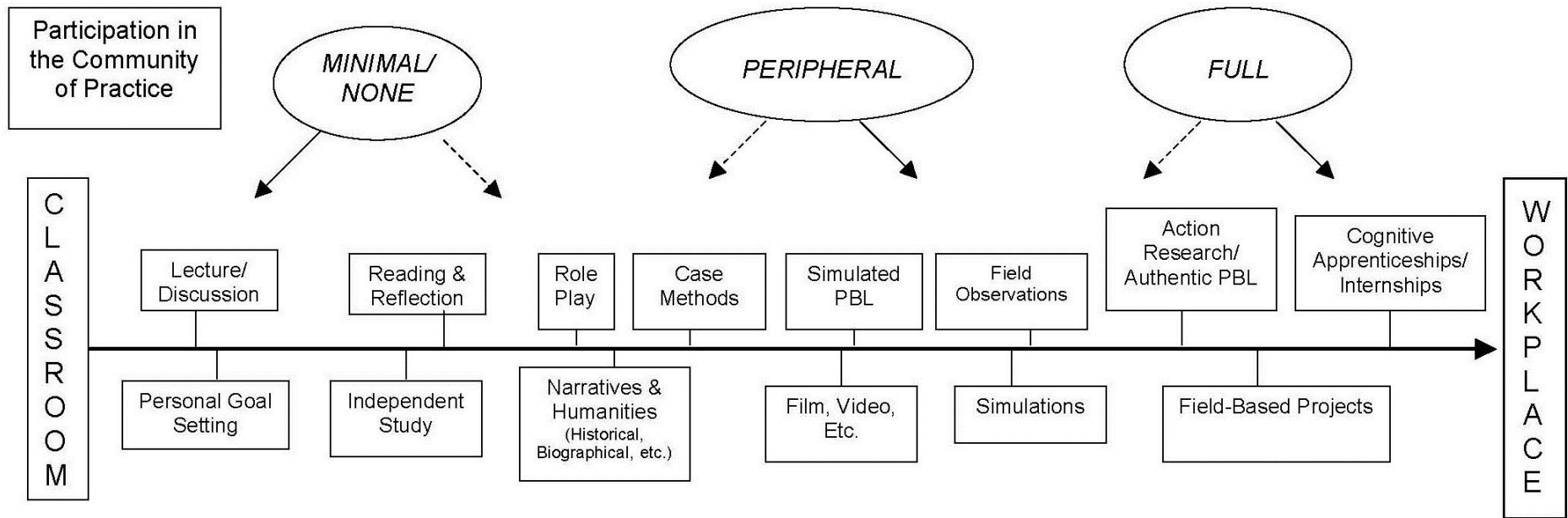
Future learning environments for children and adults must be:

- student-centered, not teacher centered

- interactive and dynamic

- enable group work on real world problems (PBL)

- enable students to determine their own learning routes

- emphasize competencies like information literacy to support lifelong learning

# Increasing Learning Transfer: Learning and Teaching Continuum

Participation in the Community of Practice

MINIMAL/ NONE

PERIPHERAL

FULL

CLASSROOM

WORKPLACE

- Lecture/ Discussion
- Personal Goal Setting
- Reading & Reflection
- Independent Study
- Role Play
- Narratives & Humanities (Historical, Biographical, etc.)
- Case Methods
- Simulated PBL
- Film, Video, Etc.
- Field Observations
- Simulations
- Action Research/ Authentic PBL
- Field-Based Projects
- Cognitive Apprenticeships/ Internships

Declarative Knowledge ⟶

Procedural Knowledge ⟶

Contextual Knowledge ⟶

Somatic Knowledge ⟶

Cordeiro, P. Taylor, D., & Chrispeels, J. (2009). *Pedagogy*. The Handbook of Research in the Education of School Leaders. New York: Routledge.

Vamos a charlar

What is your college or school of education doing to address these trends?

Curriculum

Pedagogy

Faculty Research & Professional Learning
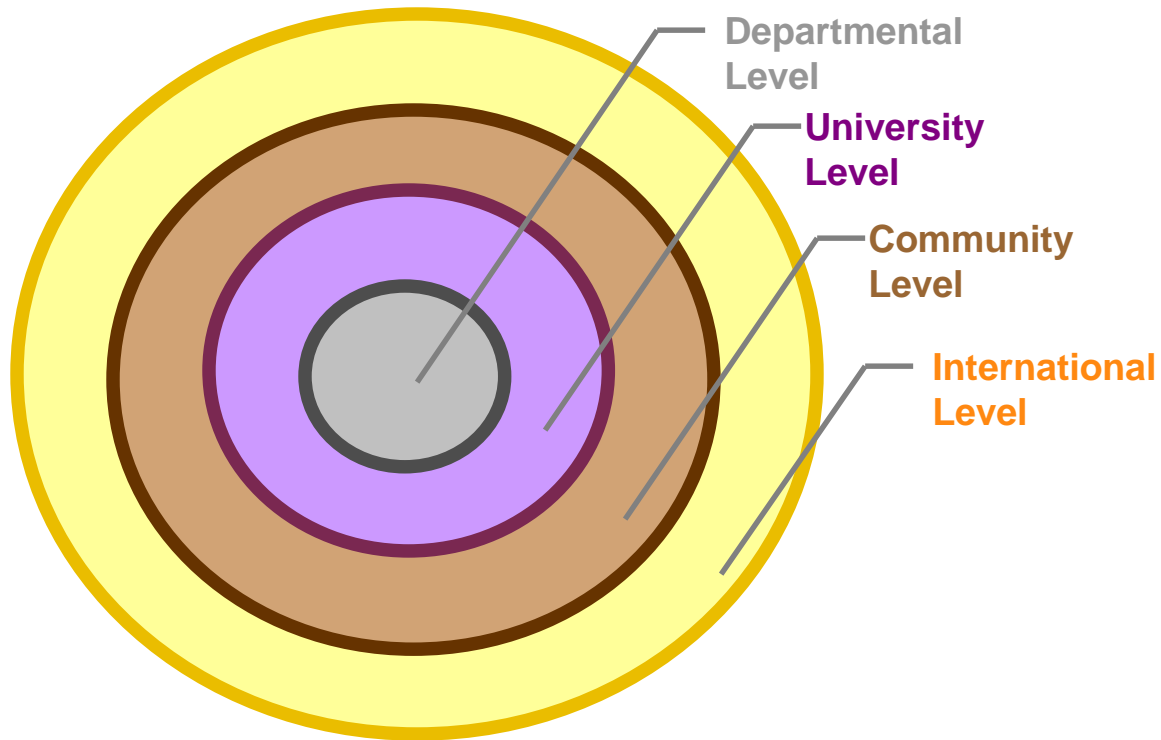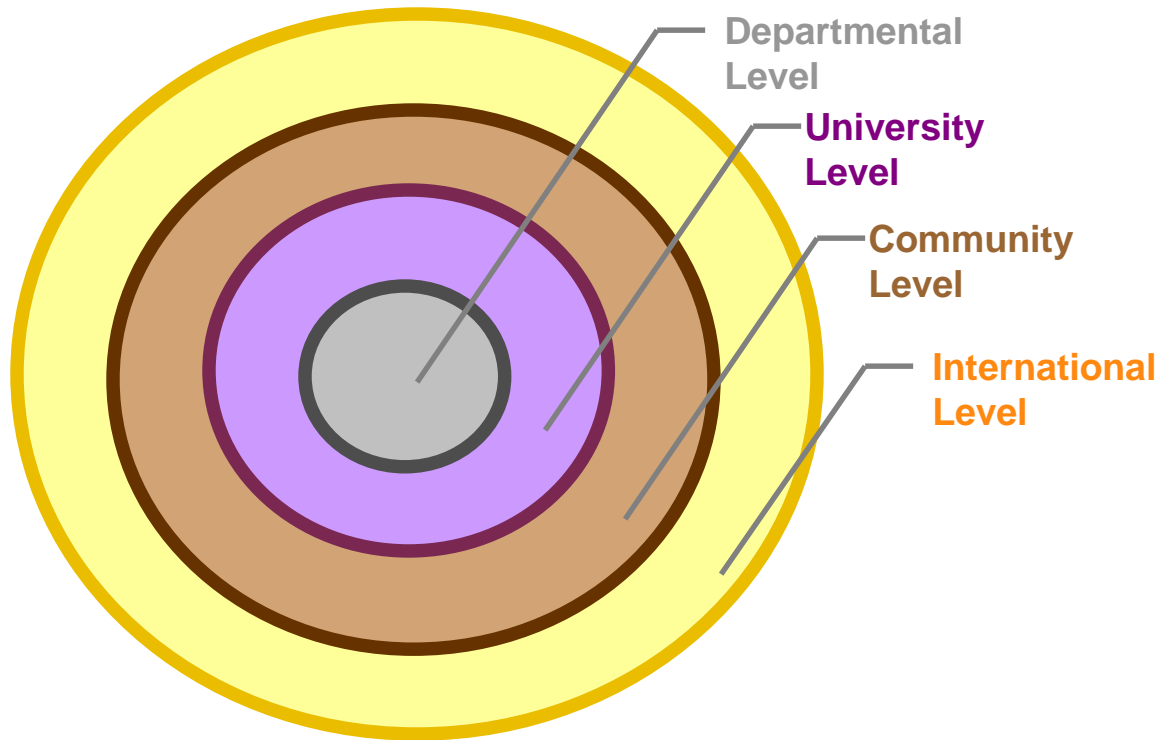
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Engaging with the World

Departmental Level

University Level

Community Level

International Level

Engaging with the World

Departmental Level

University Level

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International Level

University Level

•Interdisciplinary Centers/Institutes

• Interdepartmental Collaboration

•Collaboration with Other University Units

Community Level

•Private Sector

•Community based Organizations

•Nonprofit Organizations (esp. museums)

•Public & Private Schools

•Foundations

•Local & National Universities

International Level

•Universities around the World

•International NGOs

•Ministries of Education

International Doctoral & Graduate Students
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...a Almadani, and Rafael Tovar Y Lopez-Portillo.

Engaging with the World

Departmental Level

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University Level
- Interdisciplinary Centers/Institutes
- Interdepartmental Collaboration
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Community Level
- Private Sector
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- Museums
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- Foundations
- Local & National Universities

International Level
- Universities around the World
- International NGOs
- Ministries of Education

Examples From SOLES/USD

University Level

Interdisciplinary Centers: MTLC

Common Work /Projects across Departments:

Action Research

Community Level

Professional Development Schools

Business & Nonprofit Partnerships

International Level

Daraja Academy in Kenya
Ibero University

INGOs: Edify

Ashoka Universities

SOLES Global Center

https://www.sandiego.edu/soles/centers-and-research/global-center/

Faculty Engaging in the World

1. Provide faculty grant programs for global & international initiatives

2. Recruit and reward internationally minded faculty

3. Offer globally focused professional development

Your School or University

How are faculty encouraged and rewarded for engaging with the world?

And so I ask you…

…If we are to educate teachers, counselors and school administrators for the 21st century, in what ways are you and your colleagues in your department engaging with the world?

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