



The Kentucky P20 Initiative

College of Education

October 2009



UK College of Education Facts

UK
UNIVERSITY OF
KENTUCKY
College of Education

see

*"Make a choice.
Make a difference."*

Donald W. Hughes
College of Education Ambassador
History/Secondary Education
Retired Navy Veteran

blue.

- The College of Education offers:
 - 19 undergraduate degree programs
 - 27 master's degree programs
 - 4 specialist degree programs
 - 6 Ph.D. and 4 Ed.D. programs
- 90 faculty teach 2,500 students who enroll in classes each semester
- The College has more than 24,000 alumni who work in all 50 states, the District of Columbia and 25 countries
- During the last COE Capital Campaign, alumni donors contributed more than \$7.7 million
- During 2008-09, faculty members received more than \$7 million in grant funds for ongoing research projects

More Engaging, Meaningful Work

“We need more engaging curricula for young people—meaningful work for them to do while in school so that they learn to love learning, to find it energizing and empowering.”

- Pat Wasley, 2008

In a global economy where the most valuable skill you can sell is your knowledge, a good education is no longer just a pathway to opportunity— it is a prerequisite. The countries that out-teach us today will out-compete us tomorrow.

—President Barack Obama, Feb. 24, 2009



Education is life.

- John Dewey



Consider



When You
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Digital Natives

- Today's 24-year-olds were born in 1985.
 - Internet turned two
 - Nintendo's 'Super Mario Brothers'
- Elementary School (1990)
 - World Wide Web
- Middle School (1996)
 - Palm Pilot
 - Pay-as-you-go mobile phones



Digital Natives

- High School (2002)
 - Napster and Blogger.com
 - iPod
- University (2003)
 - Skype and Facebook
- Graduate School (2007)
 - YouTube



Naughton, J. (October 1, 2006). It's the 'digital natives' versus the 'immigrants' as kids go to work. [The Observer](#)

Today's College Graduate...

➤ 5,000 hours reading



➤ 10,000 hours playing video games



How Do We Engage Digital Natives?



Kentucky P20 PURPOSE

- Improve learning for ALL by creating a seamless, high-quality pre-school through graduate (P20) education system
- Support Kentucky schools in becoming high-performing, technology-rich learning communities
- Increase success in postsecondary education and attainment of associate, bachelor's and graduate degrees



Goals

- Extensive technology leadership development targeting 21st century teaching and learning
- Ongoing collaborative network for educators linking a state-wide system of education
- Technology equipment and support systems to ensure utilization and integration
- Ongoing collaborative research and learning experiences for teachers and students targeting 21st century knowledge and skills
 - information and communication skills
 - critical thinking and problem-solving
 - creativity
 - global awareness
 - civil literacy and social awareness
 - interpersonal and collaborative skills
 - entrepreneurial skills





P20 PHASES

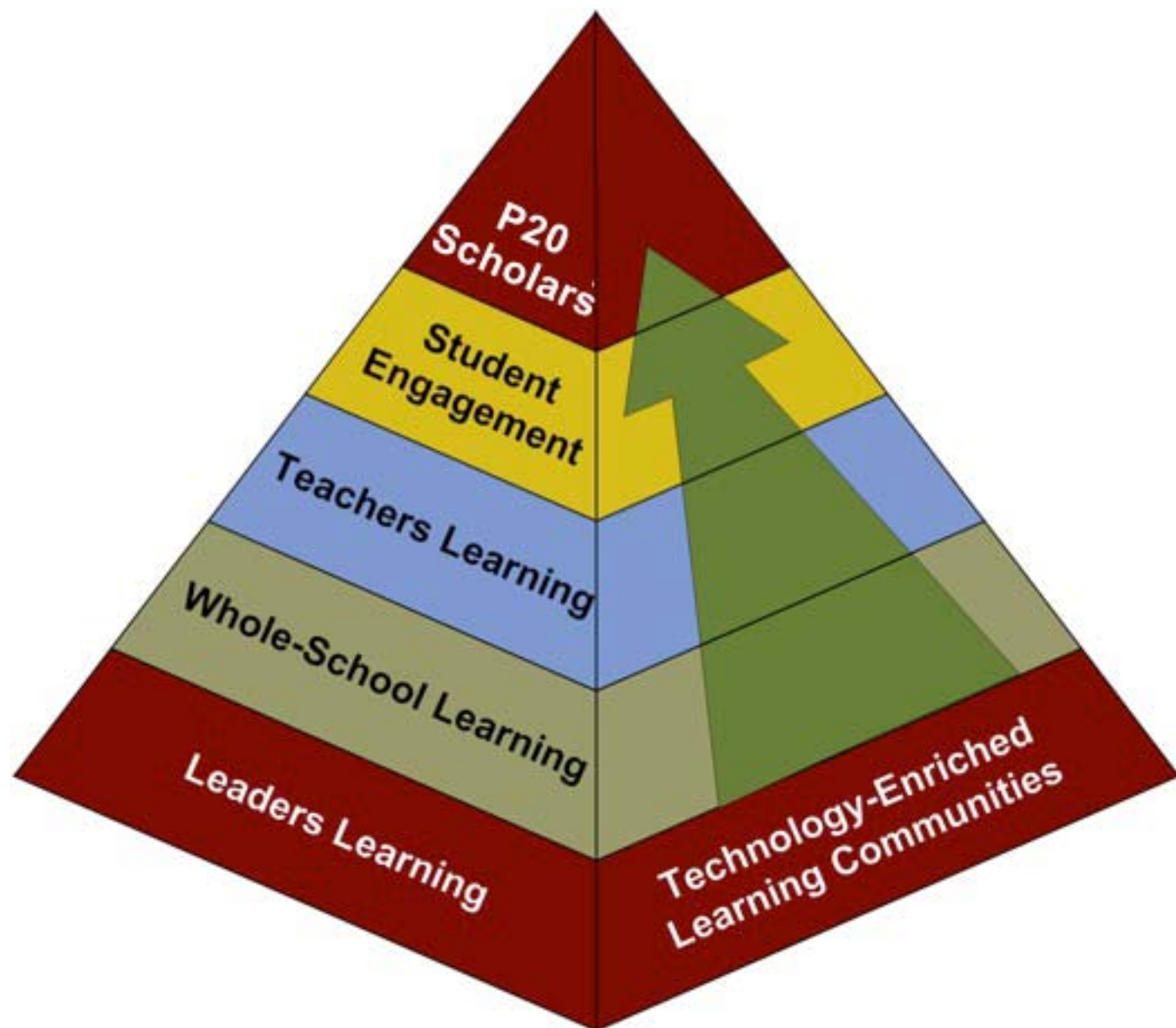
~interrelated and deepening phases~

- Phase I – Leader Learning
- Phase II – Whole-School Learning
- Phase III – Teacher Learning
- Phase IV – Student Engagement
- Phase V – P20 Scholars



P20 Framework

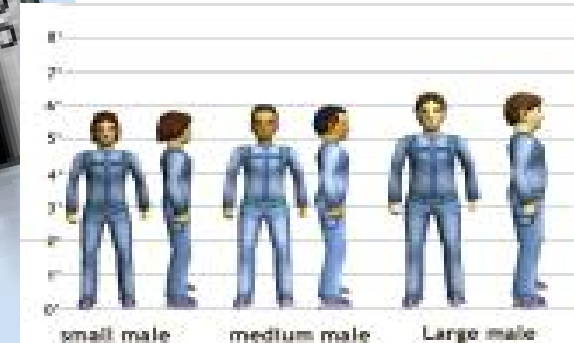




Student Engagement

Engaging students through Innovative Learning Technology

- digital game-based learning
- virtual field trips
- service learning



Student Engagement Through DGBL

- 2007-2008 findings: Oklahoma K20 partner schools who have participated in Digital Game Based Learning showed a 51% greater increase in API scores than the state's average API increase

(Office of Accountability, 2008)

UK College of Education Students



Students are actively engaged in schools.

- Early field experiences
- Practicum experiences
- Student teaching
- Overseas student teaching



Students learning globally to impact work locally





Projects

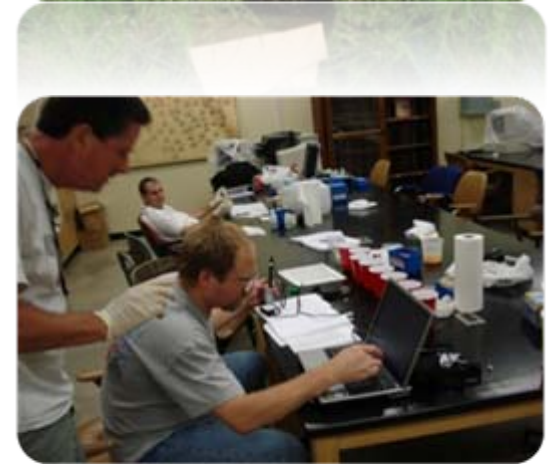
- Brian Bottge is using Enhanced Anchored Instruction to help students with learning disabilities improve their math skills
- Nicole Lewis was one of a select few nationally who were chosen to take part in the 2009 Research Methods for Critical Analysis of Quantitative Data Institute held in early July by the Association for the Study of Higher Education
- Joan Mazur is developing online and interactive methods of instructing students on injury events that are prevalent among adolescents and adults who live and/or work on farms
- Jeff Reese is using telemedicine to provide training for parents of children with ADHD
- Lisa Ruble is looking at ways to provide web-based support to teachers of children with autism
- Kathy Swan is developing kits to assist social studies teachers with digital documentary projects



Funding Partners

- University of Kentucky (President & Provost/College of Education)
- USDE and KDE (RTTT; Stimulus)

- National Science Foundation
- Bill and Melinda Gates Foundation
- Howard Hughes Medical Institute
- Industry
- Trusts & Foundations



I

II

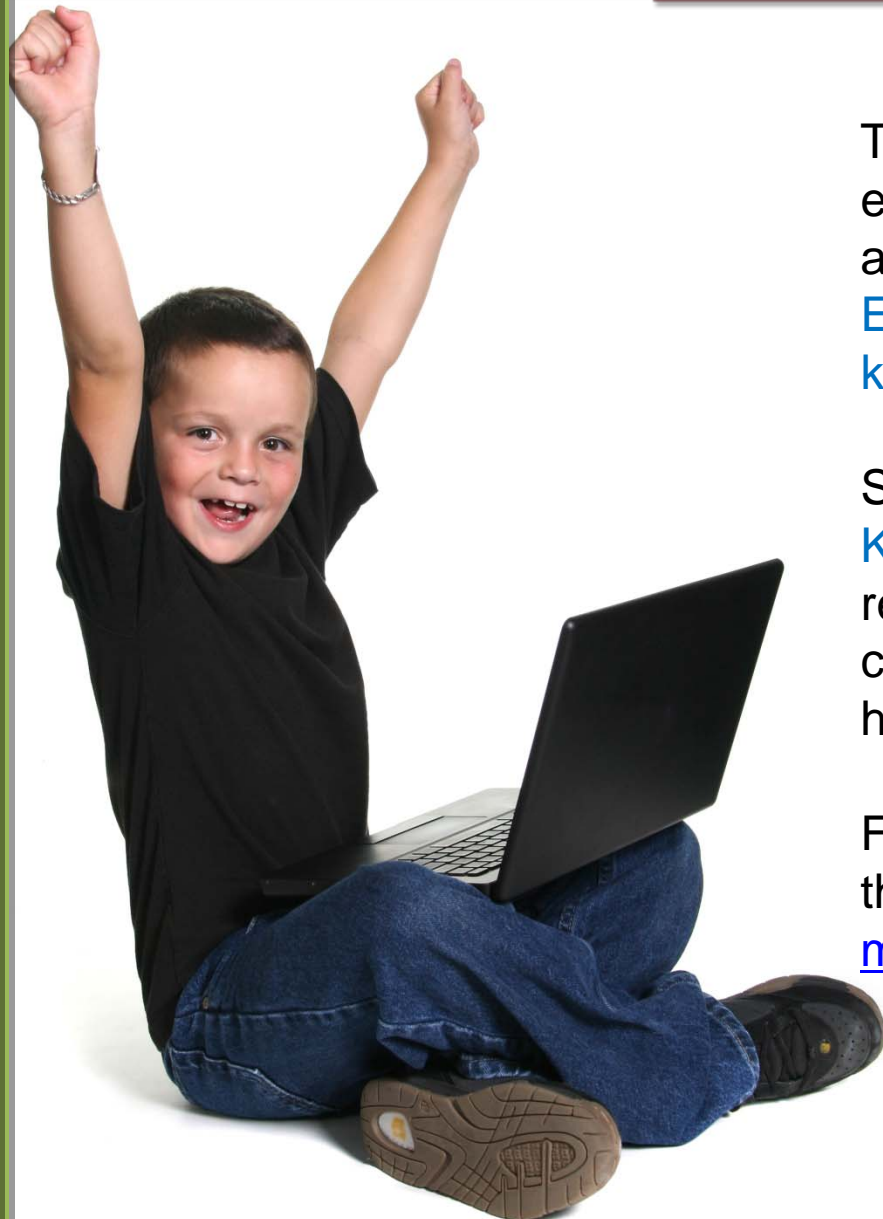
III

IV

Proposed Kentucky P20 Partners



- Central Kentucky Educational Cooperative (CKEC)
- Central Kentucky Special Education Cooperative (CKSEC)
- Fayette County Public Schools
- Kentucky Community and Technical College System (KCTCS)
- Kentucky Council on Postsecondary Education (CPE)
- Kentucky Department of Education (KDE)
- Kentucky Education Professional Standards Board (EPSB)
- Kentucky Office of AdvancED/Southern Association of Colleges and Schools (AdvancED/SACS Kentucky)
- Prichard Committee
- University Council for Educational Administration - Center for the Advanced Study of Technology Leadership in Education (CASTLE)



To successfully face rigorous higher education coursework, career challenges, and a globally competitive workforce, **EVERY child in America needs 21st century knowledge and skills.**

Serving as a catalyst to transform schools, **Kentucky P20** innovates learning through research, professional development, and collaborative partnerships among P-12 and higher education, business, and community.

For additional information, please contact the **College of Education**, 859.257.2813, mjohair@uky.edu; education.uky.edu