Using Technology to Foster Collaboration in Education: How New Thinking is Shaping How we Teach the Next Generation of Learners

February 12, 2015

- The webcast will begin at the top of the hour.
- There is no audio being broadcast at this time.
- If you need assistance, contact Blackboard Collaborate: 866-388-8674.
- An archive of this webcast will be available on the WCET website next week.
Using Technology to Foster Collaboration in Education: How New Thinking is Shaping How we Teach the Next Generation of Learners

February 12, 2015
Using Technology to Foster Collaboration in Education: How New Thinking is Shaping How we Teach the Next Generation of Learners

- Welcome.
- Thank you Blackboard Collaborate!
- If you have technical issues:
  - Call 866-388-8674
- Use the chat box for questions and information exchange.
- Archive, PowerPoint, and Resources available next week.

Megan Raymond, WCET
Questions from the Audience

- If you have a question during the presentation, please add your questions to the chat box. We will monitor the chat box and have time for Q&A at the end of the presentation.
Moderator

Anne Derryberry

- Analyst
- Sage Road Solutions
Presenters

Jennie Carr
- Assistant Professor of Elementary Education
- Bridgewater College

Alan Greenberg
- Senior Analyst and Partner
- Wainhouse Research
Alan Greenberg
▪ Senior Analyst and Partner
▪ Wainhouse Research
What is this thing called **collaborative technology**?

http://education-2020.wikispaces.com/Constructivism
What is this thing called collaborative learning?
What is this thing called the 21st century workforce?
Three Studies to Note

• Voice of the Graduate, McKinsey / Chegg, 2013
• Falling Short: College Learning and Career Success, Hart Research Associates / AACU, 2015
• The Role of Education in Building Soft Skills, Wainhouse Research / SMART, 2014

http://mckinseysociety.com/voice-of-the-graduate/
http://cp.wainhouse.com/content/role-education-building-soft-skills
Poll Question #1

Do you believe learners are well prepared by their colleges and universities for employment when they enter the workforce?

• Yes
• No
Voice of the Graduate

[Image of a pie chart showing the percentage of graduates of 4-year and 2-year colleges who did not prepare them well for employment.]

http://mckinseyonsociety.com/voice-of-the-graduate/
Employers give college graduates low scores for preparedness across learning outcomes; students think they are better prepared.

Proportions saying they/recent college graduates are well prepared in each area:

<table>
<thead>
<tr>
<th>Skill</th>
<th>Employers</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working with others in teams</td>
<td>37%</td>
<td>64%</td>
</tr>
<tr>
<td>Staying current on technologies</td>
<td>37%</td>
<td>46%</td>
</tr>
<tr>
<td>Ethical judgment and decisionmaking</td>
<td>30%</td>
<td>62%</td>
</tr>
<tr>
<td>Locating, organizing, evaluating information</td>
<td>29%</td>
<td>64%</td>
</tr>
<tr>
<td>Oral communication</td>
<td>28%</td>
<td>62%</td>
</tr>
<tr>
<td>Working with numbers/statistics</td>
<td>28%</td>
<td>55%</td>
</tr>
<tr>
<td>Written communication</td>
<td>27%</td>
<td>65%</td>
</tr>
<tr>
<td>Critical/analytical thinking</td>
<td>26%</td>
<td>66%</td>
</tr>
<tr>
<td>Being innovative/creative</td>
<td>25%</td>
<td>67%</td>
</tr>
<tr>
<td>Analyzing/solving complex problems</td>
<td>24%</td>
<td>59%</td>
</tr>
<tr>
<td>Applying knowledge/skills to real world</td>
<td>23%</td>
<td>59%</td>
</tr>
<tr>
<td>Awareness/experience of diverse cultures in US</td>
<td>21%</td>
<td>48%</td>
</tr>
<tr>
<td>Staying current on developments in science</td>
<td>21%</td>
<td>44%</td>
</tr>
<tr>
<td>Working with people from diff. backgrounds</td>
<td>16%</td>
<td>55%</td>
</tr>
<tr>
<td>Staying current on global developments</td>
<td>18%</td>
<td>43%</td>
</tr>
<tr>
<td>Proficient in other language</td>
<td>15%</td>
<td>34%</td>
</tr>
<tr>
<td>Awareness/experience of diverse cultures outside US</td>
<td>15%</td>
<td>42%</td>
</tr>
</tbody>
</table>

*0-10 ratings on zero-to-ten scale

Should Schools Prepare Learners for the Workplace?

http://cp.wainhouse.com/content/role-education-building-soft-skills
Where *are* schools focusing?

- The school focuses on teaching to pass mandated standardized tests:
  - Far too much: 32%
  - Too much: 26%
  - About right: 34%
  - Too little: 6%
  - Far too little: 2%

- Students work alone:
  - Far too much: 6%
  - Too much: 22%
  - About right: 57%
  - Too little: 11%
  - Far too little: 3%

- The school focuses on individual achievement:
  - Far too much: 8%
  - Too much: 24%
  - About right: 50%
  - Too little: 13%
  - Far too little: 5%

- Students work in teams:
  - Far too much: 2%
  - Too much: 10%
  - About right: 47%
  - Too little: 35%
  - Far too little: 5%

- The school focuses on group achievement:
  - Far too much: 3%
  - Too much: 11%
  - About right: 40%
  - Too little: 36%
  - Far too little: 10%

- Students collab. w/ others outside of the classroom:
  - Far too much: 1%
  - Too much: 6%
  - About right: 33%
  - Too little: 38%
  - Far too little: 22%

[http://cp.wainhouse.com/content/role-education-building-soft-skills](http://cp.wainhouse.com/content/role-education-building-soft-skills)
Importance of Skills and Traits

- Problem solving: 65% Very Important, 31% Important, 4% Neutral, 0% Not Important
- Ability to collaborate: 56% Very Important, 38% Important, 5% Neutral, 0% Not Important
- Persistence: 50% Very Important, 40% Important, 8% Neutral, 1% Not Important
- Creativity: 37% Very Important, 47% Important, 14% Neutral, 1% Not Important
- Have academic knowledge: 33% Very Important, 52% Important, 13% Neutral, 2% Not Important
- Leadership skills: 35% Very Important, 46% Important, 18% Neutral, 2% Not Important

http://cp.wainhouse.com/content/role-education-building-soft-skills
Poll Question #2

To what extent SHOULD schools focus on collaboration and teaching collaborative skills?

A. Very high
B. High
C. Some
D. Not much
E. Not at all
Poll Question #3

To what extent ARE schools placing high or very high focus on collaboration and teaching collaborative skills?

A. Very high
B. High
C. Some
D. Not much
E. Not at all
To what extent are schools focusing on collaboration?

http://cp.wainhouse.com/content/role-education-building-soft-skills
Impact of Collaboration as a Focus

- Collaboration promotes active participation:
  - Disagree: 6%
  - Somewhat disagree: 33%
  - Somewhat agree: 59%

- Educators need to formally learn how to foster collaboration skills among their students:
  - Disagree: 6%
  - Somewhat disagree: 42%
  - Somewhat agree: 49%

- Collaboration teaches learners to take ownership of their learning outcomes:
  - Disagree: 8%
  - Somewhat disagree: 45%
  - Somewhat agree: 43%

- Learning how to collaborate should be formally included in education curriculums:
  - Disagree: 10%
  - Somewhat disagree: 44%
  - Somewhat agree: 43%

- Collaboration is a way of teaching:
  - Disagree: 10%
  - Somewhat disagree: 45%
  - Somewhat agree: 42%

- Collaboration is a subject to teach:
  - Disagree: 10%
  - Somewhat disagree: 23%
  - Somewhat agree: 41%
  - Strongly agree: 26%

- People naturally know how to collaborate:
  - Disagree: 19%
  - Somewhat disagree: 40%
  - Somewhat agree: 27%
  - Strongly agree: 13%

http://cp.wainhouse.com/content/role-education-building-soft-skills
Is Technology Helping Foster Collaborative Skills?

http://cp.wainhouse.com/content/role-education-building-soft-skills
Jennie Carr

- Assistant Professor of Elementary Education
- Bridgewater College
Technology
Implementation and Maximizing potential

YOU DECIDE!

wcet.wiche.edu
Promoting Collaborative Skills for Teachers of the Future

“No man is an island.”

John Donne
How do we foster and promote collaborative skills so teacher candidates can bring these critical qualities to the workplace?

Lead by Example: ‘teachers teach as they are taught, and not as they are taught to teach.’” - Blume, 1971
Promoting Collaborative Skills for Teachers of the Future
We are Ready!
Who makes the impact!
Follow-up

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The WR Blog
www.wainhouse.com/wrblog
Email notices: www.wainhouse.com/email

The WR Summit 2015
27-29 May, Denver CO
www.wainhouse.com/wrsummit

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Questions from the Audience
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- Visit the WCET’s Connect, Learn, Advance services on our website:
  - [http://wcet.wiche.edu/](http://wcet.wiche.edu/)

  - June 10-11, Santa Fe, NM
    - [http://wcet.wiche.edu/connec/2015-adaptive-learning-summit](http://wcet.wiche.edu/connec/2015-adaptive-learning-summit)

- WCET Annual Meeting
  - November 11-13, Denver, CO
  - Call for proposals announced in March
    - [http://wcetconference.wiche.edu/](http://wcetconference.wiche.edu/)
Register for upcoming webcasts
wcet.wiche.edu/connect/webcasts

**March 12:** What's New at Creative Commons: Education Innovations with Creative Commons - from OER, to Pedagogy, to Policy  
**Presenter:** Paul Stacey, Associate Director of Global Learning Creative Commons

**April 9:** Are Smart Devices and Gadgets Smarter Than Teachers?  
**Presenter:** Robbie Melton, Associate Vice Chancellor of Mobilization Emerging Technology, Tennessee Board of Regents
Learn More and Stay Connected

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http://wcet.wiche.edu/contact-us/join-wcet

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  - News digests- academic, technology, and policy.
  - Discounted access to events including Leadership Summits and the Annual Meeting.
  - Listservs.
  - Free webcasts.
  - Exclusive member only resources.
Additional Information and Resources

- Access to the resources discussed during this webcast, including the archive, will be available next week.
  - [http://wcet.wiche.edu/connect/webcasts](http://wcet.wiche.edu/connect/webcasts)
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