21st Century Skills

Classroom 2.0

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Susan H. Gubing, CareerSmarts.com
20th Century Classroom
21st Century Educator

21st Century Classroom 2.0
Our students are changing….but our schools are not.
AGENDA:

- Conduct seminar as a 21st Century Classroom
- Examine 21st Century Skills
  - Content vs. Context
  - Skills
  - Tools
  - Assessments
- Application of new knowledge.

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21st Century Skills

✓ Teach oneself new knowledge and skills
✓ Group collaboration

Successfully operate individually...... and in a group

Move the student from the classroom to a real world simulation!

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Simulation

Consultants

Service

Educate surrounding school districts about 21st Century skills.

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21st Century Skills

Assess Your Talents

- Builder
- Researcher
- Creator
- Coach
- Decision-Maker
- Coordinator

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Team Roles

(E) Leader – Decision Maker
(I) Information seeker – Researcher
(R) Equipment/technology – Builder
(A) Sign makers, layout – creator
(S) Helpers – coach
(C) Task master - Coordinators
21st Century Skills

21st Century Skills Consultants

HUDDLE – 15 minutes

1. Team leader step up
2. Introductions
3. Create group name
4. Create ID badges
5. Discuss:
   1. Pros and Cons of groups
   2. Challenges you face when you group your students.
   3. Solutions
6. Presentation

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21st Century Skills

View Route 21 Video

www.21stcenturyskills.org

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HUDDLE

1. Why are the 21st Century skills important?
2. What are the 21st Century skills?
3. How do educators and employers differ when they talk about skills for the future?
4. How does the traditional classroom differ from the classroom 2.0?
21st Century Skills

A vision of Today’s Student

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21st Century Skills

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21st Century Skills

Learning and Innovation Skills

- Creativity and Innovation
- Critical thinking and Problem Solving/Solutions Finding
- Communication and Collaboration

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21st Century Skills

Information, Media and Technology Skills

- Information Literacy
- Media Literacy
- ICT – Information, Communications and Technology Literacy

Today’s Students are Digital Natives

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# 21st Century Skills

<table>
<thead>
<tr>
<th>Learning Skills +</th>
<th>21st Century Tools =</th>
<th>ICT Literacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thinking and Problem Solving Skills</td>
<td>Spreadsheets, decision support, design tools.</td>
<td>Using ICT to manage complexity, solve problems and think critically, creatively and systematically.</td>
</tr>
<tr>
<td>Information and Communication Skills</td>
<td>Word Processing, email, media presentation, web search</td>
<td>Using ICT to access, manage, integrate, evaluate, create and communicate information</td>
</tr>
<tr>
<td>Interpersonal and Self-direction skills</td>
<td>E-Learning, time management/calendar, collaboration</td>
<td>Using ICT to enhance productivity and personal development</td>
</tr>
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21st Century Skills

Light an Educational Fire

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# 21st Century Skills

## How Do We Teach These Skills?

<table>
<thead>
<tr>
<th>TEAM 21</th>
<th>21st Century Skill Boot Camp</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Critical Thinking and Problem Solving</td>
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<tr>
<td></td>
<td>Group Collaboration/Team Work</td>
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<tr>
<td></td>
<td>Research and use of resources</td>
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<td></td>
<td>Communications – speaking</td>
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<td></td>
<td>Communications – Listening, Following instructions</td>
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<td></td>
<td>Communications - writing</td>
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<tr>
<td></td>
<td>Productivity and work ethic</td>
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<td>Organizational</td>
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<tr>
<td></td>
<td>Creativity and Innovation</td>
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<tr>
<td></td>
<td>Time management</td>
</tr>
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21st Century Skills

30 Minutes

1. Define the skill
2. Create a validation activity.
3. Include a rubric.
4. Create a task the student will do in class or for homework.
5. Create handouts for our group.

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# Life Skills

## Additional 21st Century Skills and Rubrics
21st Century Content

Interdisciplinary Themes

Global Awareness

Financial, Economic, Business, Entrepreneurial Literacy

Civic Literacy

Health and Wellness Awareness

Learn Content Through Real World Experiences!
21st Century Resources

The textbook is no longer the only resource!

• Printed on paper
• Printed on screen
• Audio
• Visual

• What resources are in your building, town, student’s home?
• Local, regional, national, global?
• Connect to the source or the experts?

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## 21st Century Tools

### Web 2.0

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computers</td>
<td>1. Blogs</td>
</tr>
<tr>
<td>Cell Phones/Skype</td>
<td>2. Wikis</td>
</tr>
<tr>
<td>MP3 Players/IPods</td>
<td>3. Second Life</td>
</tr>
<tr>
<td>Digital/video records</td>
<td>4. Podcasts</td>
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<tr>
<td>Smart Boards</td>
<td>5. Google Alerts</td>
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<td></td>
<td>6. Flickr</td>
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<tr>
<td></td>
<td>7. Social Bookmarking Services</td>
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<tr>
<td></td>
<td>8. eLearning – Moodle</td>
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<tr>
<td></td>
<td>9. WebPages</td>
</tr>
</tbody>
</table>

- RSS Feeds

It's Will's Blog Book!!

Get It Now!
21st Century Skills

Will Richardson’s Blog site for Resources


CareerSmarts:
www.careersmarts.com/21frame.htm

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21st Century Assessment
Make it all happen!
Change attitudes, levels of mastery, assign power to learn.

The Bell Curve
Norm-referenced Tests (NRTs) are designed to compare student performance to other students

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Pros and Cons of Points Assessment System
21st Century Skills

Will Richardson

The Big Shifts!

#1 Open Content

#2 Learning 24/7

#3 Group Collaboration
21st Century Skills

The Big Shifts!

#4 Teaching is Conversation, Not Lecture

#5 Know “Where” Learning

#6 Critical Consumers of data.
21st Century Skills

The Big Shifts!

#7 Web becomes the digital notebook.

#8 Writing is no longer limited to text.

#9 Mastery is the Product, Not the Test
21st Century Skills

#10
Contribution, Not Completion, is the ultimate goal.

The Big Shifts!
# Overall Implementation

<table>
<thead>
<tr>
<th>21st Century Education</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content</td>
<td>Global awareness</td>
</tr>
<tr>
<td></td>
<td>Financial, economic and business Literacy</td>
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<tr>
<td></td>
<td>Civic literacy</td>
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<tr>
<td></td>
<td>Health and wellness</td>
</tr>
<tr>
<td>Context</td>
<td>Real world simulations</td>
</tr>
<tr>
<td>Learning Skills</td>
<td>Thinking and problem solving</td>
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<tr>
<td></td>
<td>Information and communication</td>
</tr>
<tr>
<td></td>
<td>Interpersonal and self-direction</td>
</tr>
<tr>
<td>Technology Tools</td>
<td>Hardware/software; Internet</td>
</tr>
<tr>
<td>Assessments</td>
<td>Mastery of content and skills validated by the use of technological tools.</td>
</tr>
</tbody>
</table>
21st Century Skills

New Groups

Plan 1 Curriculum Unit using:

• 21st Century Skills,
• Tools
• Assessments
• Simulation
• Printed resources
• Internet resources
• Computer software
• Group collaboration
• “Out of the box” thinking

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### 21st Century Skills

<table>
<thead>
<tr>
<th>GROUPS</th>
<th>CURRICULUM</th>
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<tbody>
<tr>
<td><strong>Business</strong></td>
<td>1. Marketing</td>
</tr>
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<td></td>
<td>2. Finance/Accounting</td>
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<td></td>
<td>3. Computers/Skills/Keyboarding</td>
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<tr>
<td><strong>Family Consumer Science</strong></td>
<td>1. Child Development</td>
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<tr>
<td></td>
<td>2. Foods</td>
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<td></td>
<td>3. Interior Design</td>
</tr>
<tr>
<td></td>
<td>4. CC</td>
</tr>
<tr>
<td></td>
<td>5. 6th grade</td>
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<tr>
<td></td>
<td>6. 8th grade</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td>1. Media/Photo Arts</td>
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<td></td>
<td>2. Technical Trades</td>
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<tr>
<td></td>
<td>3. Technical Professions</td>
</tr>
<tr>
<td></td>
<td>4. 6th grade</td>
</tr>
<tr>
<td></td>
<td>5. 7th grade</td>
</tr>
<tr>
<td></td>
<td>6. 8th grade</td>
</tr>
</tbody>
</table>

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21st Century Skills

School House 1.0

Digital Classroom 2.0

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Thank you!

Go Forth and do Great Things!

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