The Thinking Classroom
Transforming Educational Experiences through 21st Century Skills

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Thinking Classroom Session Wiki

http://cas21stcenturyskills.wikispaces.com/

Session ppt.
Session resources
Tools Used
http://corkboard.me/pyIRQqu7Zz

What does a Colorado 21st century “Thinking Classroom” look like?
21st Century Skills

- Critical Thinking
- Invention
- Self Direction
- Information Literacy
- Collaboration
Colorado’s 21st Century Skills

- Self Directed Learning
  - “Own Your Learning”
- Collaboration
  - “Work Together Learn Together”
- Information Literacy
  - “Untangle the Web”
- Critical Thinking
  - “Think Deep, Think Different”
- Invention
  - “Create Solutions”
Imagine a classroom 50 years ago. Does it look any different today?
## What Should it Look Like?

<table>
<thead>
<tr>
<th>The “old” classroom</th>
<th>The 21\textsuperscript{st} Century Classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desks in rows</td>
<td>Desks in groups for collaboration</td>
</tr>
<tr>
<td>Teacher as lecturer</td>
<td>Teacher as facilitator of learning</td>
</tr>
<tr>
<td>Student as sponge of information</td>
<td>Students own their learning</td>
</tr>
<tr>
<td>Teacher as disseminator of knowledge and answers</td>
<td>Student created knowledge and solutions</td>
</tr>
<tr>
<td>Chalk board, chalk dust all over the teacher’s clothes</td>
<td>Interactive white board</td>
</tr>
<tr>
<td>Overhead projector</td>
<td>Laptops, iPads, smart phones</td>
</tr>
<tr>
<td>Handouts from the Mimeograph machine; hard cover textbooks</td>
<td>Online documents, GOOGLE docs, Wiki, blogs...</td>
</tr>
</tbody>
</table>
• Curriculum
  ➢ Concept and skills based instead of focused on facts
  ➢ “Three-dimensional” – know (factually); understand (conceptually); and be able to do (skillfully)*

• Instruction
  ➢ Student focused
  ➢ Teacher facilitated through multiple instructional strategies

• Assessment
  ➢ Performance focused – application and transfer of knowledge

Curriculum Design

• 21\textsuperscript{st} century curriculum includes ALL elements of the CAS ~

• Discipline Concept Maps; Vertical Progressions; Elementary Concept Connections
### Content Area

#### Standard:

**Prepared Graduates:** Prepared Graduate Competency ~ PGC

### High School and Grade Level Expectations

#### Concepts and skills students master:

**Concepts & skills indicating progress to PGC mastery**

#### Evidence Outcomes

<table>
<thead>
<tr>
<th>Students can:</th>
<th>Inquiry Questions:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indicators of student mastery</strong></td>
<td><strong>Promote critical thinking</strong></td>
</tr>
</tbody>
</table>

#### 21st Century Skills and Readiness Competencies

- **Nature of the Discipline:** Relevant societal context
- **Characteristics of Discipline:**

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**Relevance and Application:**

- Promote critical thinking
A Vision of 21\textsuperscript{st} Century Teachers

I am a 21\textsuperscript{st} Century teacher.
Post your thoughts and ideas for ways to support teachers in transforming students' learning experiences.
Feels...

- Innovative
- Creative
- Collaborative
Another Feeling? Discomfort

Maxims for 21st Century Teaching and Learning:

EVERYTHING is "Under Construction"
The landscape is shifting. Be adaptable.
It's OK to be Beta.
Sounds like...

- **Classroom environment** ~ lots of student voices, student collaboration, students active in their learning
- **Role of the teacher** ~ planning with colleagues ~ planning for student inquiry, working side-by-side with students
- **Assessments** ~ assessment focused on the *process* and the *product*
Assessment of the Process: Performance-Based Assessment
How Do We Get There From Here?

Professional Development

- Teacher collaboration and partnerships
- Professional Learning Networks (PLN’s)
- District/school time structures to support teacher collaboration
- Curriculum developed based on CAS
  - Focus on INTEGRATED concepts and skills
- Instructional practices
- Assessments
  - Re-think *what* is being assessed and *how*
What tools or resources do you need to help your teachers transform their classrooms to “thinking classrooms?”
Professional Development Opportunities

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Rate how you feel about your district’s progress towards instructional and classroom transformation?

Text a **CODE** to **22333**  
Submit a **CODE** to [http://PollEv.com](http://PollEv.com)

- Great! We are well on our way!
- 155476
- Good! We have started the process.
- 155477
- Ok... we have started the process but need some guidance
- 155373
- Not so good... we have not started.
- 155495
- Not good at all... we have not started, we need help!
- 155498

Total Results: 0
Questions?
Thank You
Gracias
Cảm ơn
Shukran
Spasibo
Komapsumnida