So, you want to change the world?

Strategies to Increase Creativity in Agriculture Classrooms

Shannon Norris, Texas A&M University
Tiffany Rogers-Randolph, University of Florida
time!
Yes, we mean you.
Creativity is vital to solving the biggest problems.
3 of 4 Americans do not feel like they are living up to their full creative potential...

= creativity crisis.
The good news?
Creativity can be learned.
What is creativity?

-Is a process (Torrance, 1995).

“Creativity defies precise definition...Creativity is almost infinite. It involves every sense – sight, smell, hearing, feeling, taste and even perhaps the extrasensory. Much of it is unseen, nonverbal and unconscious. Therefore, even if we had a precise concept of creativity, I am certain we would have difficulty putting it into words.” -- Paul Torrance
Convergent vs. Divergent Thinking

-Modes of thinking (Guilford, 1956).

1. Complexity.
2. Curiosity.
3. Elaboration.
4. Flexibility.
5. Fluency.
6. Imagination.
7. Originality.
Wallas’ Five Stages

1. Identify the problem.
2. Brainstorm possible solutions.
3. Connect solutions with stakeholders.
4. Consider additional options.
5. Analyze effectiveness of ideas (Wallas, 1926).
Application to Agriculture
Classroom Implementation

- Past Research
- In Practice

1. Polls.
4. Longitudinal activities.
5. Feedback and reflection.
7. Classroom culture.
## Creative Strategies

<table>
<thead>
<tr>
<th>Desired Outcome</th>
<th>Teaching Strategy</th>
<th>Authors</th>
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<tbody>
<tr>
<td>Engaged Students</td>
<td>Make connections between content and real life or subject in classroom.</td>
<td>Horng, Hong, ChanLin, Chang, &amp; Chu (2005)</td>
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<tr>
<td>Empowered creativity</td>
<td>Encourage students to think creatively. They need to be reminded they are creative thinkers.</td>
<td>Niu &amp; Lui (2009)</td>
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<tr>
<td>Applicable creativity</td>
<td>Provide specific ways to apply creativity.</td>
<td>Cheng et al. (2006)</td>
</tr>
<tr>
<td>Authentic learning opportunities</td>
<td>Evaluate level of creativity by measuring student input with final product.</td>
<td>Walling (2009)</td>
</tr>
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</table>

(Adapted from Rinkevich, 2011)
Your turn!

Resources for you.
“It takes courage to be creative. Just as soon as you have a new idea, you are in a minority of one.”

-Paul Torrance
Questions?

Shannon Norris
Texas A&M University
shannon.norris@tamu.edu

Tiffany Rogers-Randolph
University of Florida
tiffanyrogersrandolph@gmail.com

Thank you!