Why?

- Agricultural courses are applied sciences.
- Problem-solving as a soft-skill for industry.
- Wicked problems call for creative problem-solving.
- Demand and interest in STEM, and inquiry or project based learning.
- We are all problem-solvers; therefore, we are all creative (Kirton, 2003).
Creativity is an act that is both novel and appropriate (Sternberg, 2004).
Creativity requires: intellectual abilities, knowledge and style of thinking, personality, motivation, and environment (Sternberg & Lubart, 1999).
Learning creatively takes place in a process of becoming sensitive to or aware of problems, deficiencies, and the gap in knowledge (Torrance, 1970).
Creativity is driven out of discomfort for a situation (Torrance, 1993).
This discomfort is the problem being experienced.
Creativity can be considered from the following points of view: person, process, product, and environment. (Torrance, 1993).
Top 5 How’s?

Design lessons and activities that include the following:

- Ideation
- Questioning
- Expectations
- Awareness of capabilities
- Strength of a Solution

“Creativity is intelligence having fun.”
- Albert Einstein
Ideation

Design lessons and activities that include the following:

- Elaboration
- Divergent Thinking
- Fluency (appropriateness)
- Originality
- Lists
- Multiple Correct Answers
- Inquiry (Student Driven)
Questioning (Inquiry)

Design lessons and activities that include the following:

- Fantasy (What if...)
- Factual Accuracy
- Problem-Solving
- Higher Order Thinking
- Teacher and Student driven
Expectations

Design lessons and activities that include the following:

- Clear Directions
- Examples
- Clear Expectations (rubric)
- Fluency (appropriateness)
Awareness of Capabilities

Design lessons and activities that include the following:

- Diversified Instruction
- Appropriate Content
- Necessary Skills
- Necessary Knowledge (content specific)
- Necessary Tools or Equipment
Strength of a Solution

Design lessons and activities that include the following:

- Trial and Error
- Fluency (Appropriate)
- STEM
- Project Based
References


Creativity is contagious. Pass it on.

~Albert Einstein

Thank You!

Questions?