First, a Pop Quiz

What color is the blood in your veins?

Surprisingly, the answer to this question is relate to how people learn.
So, how do people learn?
In the simplest terms....

People learn by actively constructing knowledge through connecting new experiences to previous learning.
So what does that mean for us as faculty in the classroom, laboratory, or the field?
Six String Activity
Four key features of learning

• Activation
• Exploration
• Reflection
• Action
Activation

- Surface prior knowledge
- Motivate
- Ignite curiosity
Exploration

- Active learning
- Hands-on/minds-on learning
- High Impact Practices (HIPs)
Reflection

• Confirm existing knowledge
• Expand understanding
• Modify misunderstanding

We do not learn from experience... we learn from reflecting on experience.

- John Dewey
Action

• Applying new knowledge in a novel situation
How People Learn

Brain, Mind, Experience, and School

How People Learn II

Learners, Contexts, and Cultures
Back to that blood question.....
“Give the pupils something to do, not something to learn; and the doing is of such a nature as to demand thinking; learning naturally results.”

John Dewey