Teaching a lab section

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Working with students

Activity: How to make a butterfly
Positive Laboratory Environment

- Student
- TA
- Professor
- Material
Developing our idea of a positive laboratory environment

CONCEPT MAPPING
Concept Mapping

Organizing Concepts

Concepts

Hierarchy

Clarity

Boxed

Complexity

Cross linkages

Concept Map

Examples

Linking Words

Singular Ideas

Relationships
Trade concept maps with your neighbor and make corrections based on our discussion.

MAP SWAP
International Students

• Language Problem - You can overcome it!
• Feeling Intimidated
• Favoritism - A big no no!
• Office hours and emails - Helps you express
• Being prepared - Style of teaching
• Understanding the U.S. culture
Pre-lab Activities

• Biology
• Plant and Animal Sciences
• Chemistry
• Physics
Expectations of a lab TA

• Teach 1-3 lab sections of about 10-20 students
• Provide office hours and individual help
• Write quizzes and/or pre-lab assignments
• Grade quizzes, pre-labs, lab reports, etc.
• Proctor exams
• Attend group meetings
General Advice

• Be on time
• Know your stuff
• Be available for students
• Don’t rush through prep or lab
• Have fun and try to make it fun for students!
Questions