Interactive Teaching Strategies and Techniques

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Types of Classroom Learning

Teacher-Centered Learning

Student-Centered Learning

Benefits:
- can communicate interest in topic through enthusiasm
- present unavailable material
- present large amounts of information
- can model how professionals think
- appeal to auditory learners
- little risk for students

Disadvantages:
- no feedback on student learning
- students often passive
- attention wanes quickly
- assumes students learn at same pace
- don’t teach higher ordered thinking
- does not accommodate different learning styles

Benefits
- 700+ studies show improved student learning outcomes
- motivates and engages students
- develops real-world skills
- exposure to diversity
- critical thinking
- students gain a sense of accomplishment
- retention

Student Centered Learning aims to:

Engage students!

In Lecture       In Groups       In Office Hours
Engaging Students

• Behavioral Engagement

Engaging Students

• Cognitive Engagement

Engaging Students

• Academic Engagement

Engaging Students

• Emotional Engagement

Student Centered Learning aims to:

Engage students!

In Lecture  In Groups  In Office Hours

Engaging students

• What do I want my students to know?

• What do I want my students to do?

• What do I want my students to feel?
Engage students!

**Student Centered Learning aims to:**

- In Lecture
- In Groups
- In Office Hours

**Interactive Teaching Techniques in Lectures**

- Hand Voting
- Brainstorm Questions
- Brief Write
- Questionnaire Bio Sheets ➔ relevance
- In-house Expert
- Pause for thought problem
- Student generated questions
- Detective style lecture
- Shair/Pair (after quick write)
- Large Discussion Ideas...

**Student Centered Learning aims to:**

Engage students!

**Interactive Teaching Techniques in Lectures**

- Large Class Discussion Ideas...

**Cooperative Learning**
Cooperative Learning: short term groups

- Steps for success
  - Explain importance - not busywork!
  - Form groups and guidelines
  - Assign the Task Clearly
  - Provide Written Instructions
  - Require an End Product
  - Common rewards
  - Time limit
  - Rove around the room

EXEMPLARY STUDENT PROJECTS

URL: [http://www.youtube.com/watch?v=VXMWkkqY5jI](http://www.youtube.com/watch?v=VXMWkkqY5jI)
URL: [http://www.youtube.com/watch?v=XqAwNj9Txs8](http://www.youtube.com/watch?v=XqAwNj9Txs8)
URL: [http://www.youtube.com/thecastless#p/a/u/1/2Ipu2/jTp0hY](http://www.youtube.com/thecastless#p/a/u/1/2Ipu2/jTp0hY)

Cooperative Learning: long term groups

What kinds of projects?
- Research
- Creative
- Service-Learning

Student Centered Learning aims to:

Engage students!

Office hours – schedule topics
Commenting on papers:
- Guided journals
- Technology – Web site and discussions
Outside projects/papers
- Video, social media (examples)
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