

Physics 4810 / 7810 Week Nine - what happened?

Day 16: Fa2008:
Assessing Assessment
Using Energy

Class-updates:

- feedback on last class
- keep up the good work on fieldnotes, hw, discussion



Based on Feedback from the last class

- We will be having a Final Exam.
- During our assigned time:
DEC 13, Monday 1:30 - 4p

<< OR >>

Weekly Exams based on Student Misconceptions

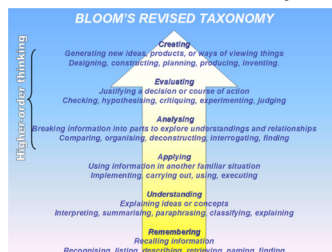
In-Class Pop-Quiz

- List a common student misconception about Energy
- What intervention would you apply to affect it?
- What theoretical framework does this draw from?

Energy

- How do you define energy?
- Here it is week 9.
Should we be teaching this here?

Blooms Taxonomy



Expanding on Bloom

THE KNOWLEDGE DIMENSION	THE COGNITIVE PROCESS DIMENSION					
	1. REMEMBER	2. UNDERSTAND	3. APPLY	4. ANALYZE	5. EVALUATE	6. CREATE
A. FACTUAL KNOWLEDGE						
B. CONCEPTUAL KNOWLEDGE						
C. PROCEDURAL KNOWLEDGE						
D. META-COGNITIVE KNOWLEDGE						

Our Application

- 4 Groupings:
 - Homework
 - Exams
 - Conceptual Surveys
 - Group Tasks / Project
- Identify where these activities lay on the Bloom and Anderson Taxonomies. Do a fair / representative sample if possible.

Synthesis /Creation?

- What did we find...
- What are HW's, Exams, Surveys and Projects about?
- What are we assessing

Our analysis

- What about the ordering?
- Are these distinct categories?
- What about the span? Anything missing?