Physics 4810 / 7810 Week 2 - Getting Going

Day 4: Fa2008
Field Sites
quick feedback: any questions / comments
Kinematics in 1-D:
content structural organization of content
pedagogical implications ---





Kinematics (desc. of motion)

Not the CAUSE of motion

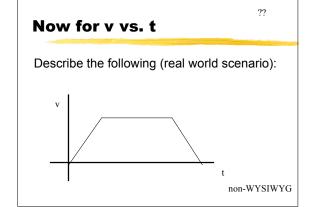
General comments about the chapter:

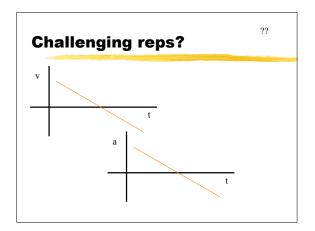
- What tools were present to help students learn?
- What do students do?

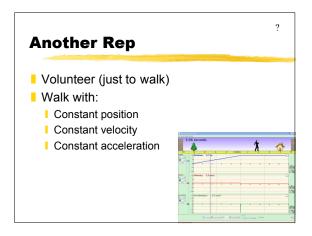
Focus on Representations

- How many different representations of motion are present in this chapter?
- What explicit efforts are used to link these?

Graphs (for example) Describe the following (real world scenario):





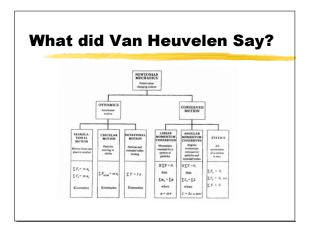


Making sense of it all

List many (~15 - 20) ideas from the chapter

??

- Sort as Big ideas, middle level, and little
- Organize these and their relations to each other
- Now revisit the chapter and see if these are the same / different



Additional Thoughts

- What do Checkpoints do? Problems do?
- What is the connection of this chapter to the real world?
- Does this develop student personal interest?
- What is the underpinning theory of education?