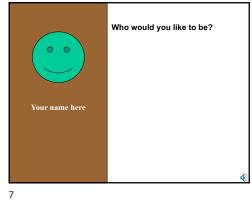
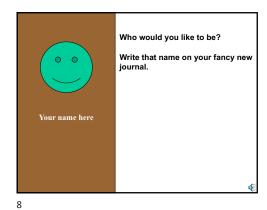


Now share your list of ideas with your neighbour for a few minutes. Do they have different ideas from you? 6





Now share your list (and your name)
with your neighbour for a few minutes.
Meet a classmate.

(Don't worry, you will not have to share with everyone)

9 10



Again on the worksheets, I'd like you to jot down three or four ideas about your expectations for the course....

1)
2)
3)
4)

Again on the worksheets, I'd like you to jot down three or four ideas about your <u>expectations</u> for the course.... Eat donuts each class 13

Now share your list with your neighbour for a few minutes.

Are your expectations the same as theirs?

14

Now here are some of my ideas about my expectations for the course.... 1) 2)

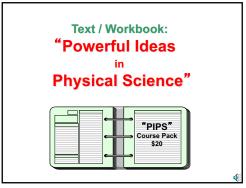
Now here are some of my ideas about my expectations for the course.... Safe Classroom 2) 3)



Now here are some of my ideas about my expectations for the course.... Safe Classroom Restraint Ontario 1-8 Curriculum

18

Now here are some of my ideas about my expectations for the course.... Safe Classroom Restraint Ontario 1-8 Curriculum Have Some Fun Together



19 20

"PIPS" presents Case Studies that will

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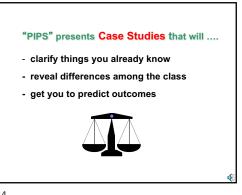
- clarify things you already know

"PIPS" presents Case Studies that will

- clarify things you already know

- reveal differences among the class

23



24

"PIPS" presents Case Studies that will

- clarify things you already know
- reveal differences among the class
- get you to predict outcomes
- lead you to experiment and discover



25

27

"PIPS" presents Case Studies that will

- clarify things you already know
- reveal differences among the class
- get you to predict outcomes
- lead you to experiment and discover
- document what you have discovered



"PIPS" presents Case Studies that will

- clarify things you already know
- reveal differences among the class
- get you to predict outcomes
- lead you to experiment and discover
- document what you have discovered
- examine scientific learning processes

"PIPS ...

26

a) elicits students' existing notions in writing and in groups.

b) presents disequilibrating experiences which prompt reexaminations and reevaluations of existing notions.

c) engages students in carefully designed collaborative activities.

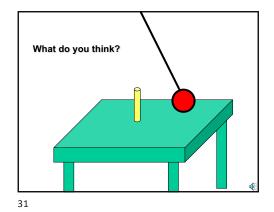
d) leads students to constructing their own new notions and improved conceptual understanding. "

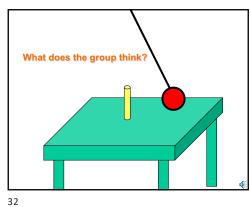
Source: "PIPS instructor's guide"

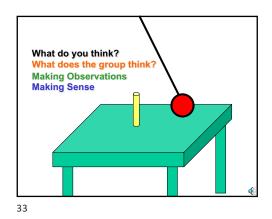
28



Let's examine an example taken from..... - Light & Colour - Electricity - Motion - Pulleys, Levers and Gears 30









Other aspects of Physics 2091H...

- Journals



- Ontario's 1-8 Science Curriculum
- How we learn most effectively
- E-mail & other communications

That's John Earnshaw facilitating someone's learning in the Physics 209x lab

34



35 36

Your tasks before the next class:

 Get your "trentu.ca" accounts activated and complete the myLearningSystem demographics survey.
 nb: If you wish to use another e-mail address, set your "trentu.ca" e-mail to be automatically forwarded.

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If you had an account previously,

but have not used it recently,
you may have to logon to

https://www.trentu.ca/mytrent/activate.php

Your tasks before the next class:

- Get your "trentu.ca" accounts activated and complete the myLearningSystem demographics survey
- Upload a short computer file to myLearningSystem with a one sentence description of "constructivist learning" and the meaning of the word "pedagogy".

With SafeAssign

37

Your tasks before the next class:

38

- Get your "trentu.ca" accounts activated and complete the myLearningSystem demographics survey.
- Upload a short computer file to myLearningSystem with a one sentence description of "constructivist learning" and the meaning of the word "pedagogy".
- Send me a <u>short e-mail message</u> (under 100 words, with "Physics 2091H Intro" in the subject line) from your trentu.ca email account introducing yourself, and telling me your expectations for the course. (Do this soon, but at least a day before your next class.)

39 40

Your tasks before the next class:

- Get your "trentu.ca" accounts activated and complete the myLearningSystem demographics survey.
- Upload a short computer file to myLearningSystem with a one sentence description of "constructivist learning" and the meaning of the word "pedagogy".
- Send me a <u>short e-mail message</u> from your trentu.ca email account introducing yourself, and telling me your expectations for the course.
- Post a message in the online class discussion forum.
 (Use the topic "Homework 01/Assignment 0" in the category "Homework and Assignments". Make it under 100 words, with the subject "HW01 - Intro Messages". Include something interesting - maybe your favourite cookie recipe.)

Your tasks before the next class:

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- Upload a short computer file to myLearningSystem with a one sentence description of "constructivist learning" and the meaning of the word "pedagogy".
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- Post a message in the online class discussion forum.
- Look at the online "Academic Skills Tool Kit" resources

42

Your tasks before the next class:

41

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- Post a message in the online class discussion forum.
- Look at the online "Academic Skills Tool Kit" resources
- Look at Assignment #1.

PHYSICS 2091H...



Get your network ID at https://www.trentu.ca/mytrent/activate.php

My name is Johann Beda My e-mail address is jbeda@trentu.ca

The course WEB page is at: http://www.beda.ca/johann/trentu/PHYS209x/ http://www.trentu.ca/mytrent/

43 44