Introductory Class

Wednesday, January 21, 2009 16:17

The instructor is the agent of change.

What's the problem with how Science is usually taught and why do we next to charge 12?

What are new perspectives on learning and teaching?

We are going to first focus on learning not teaching

7 - typically taught as a series of facts

- suck the life out of it to make it objective
 - most students have left
- why do I care? science is very useful in today? wold?
- is everything bad! is anything salvageable
- secondary school: spit it back out who retention

Science/Math edu study:

Comparison of 4th, 5th, 12th grades

US 4th

P 5th

2 12th

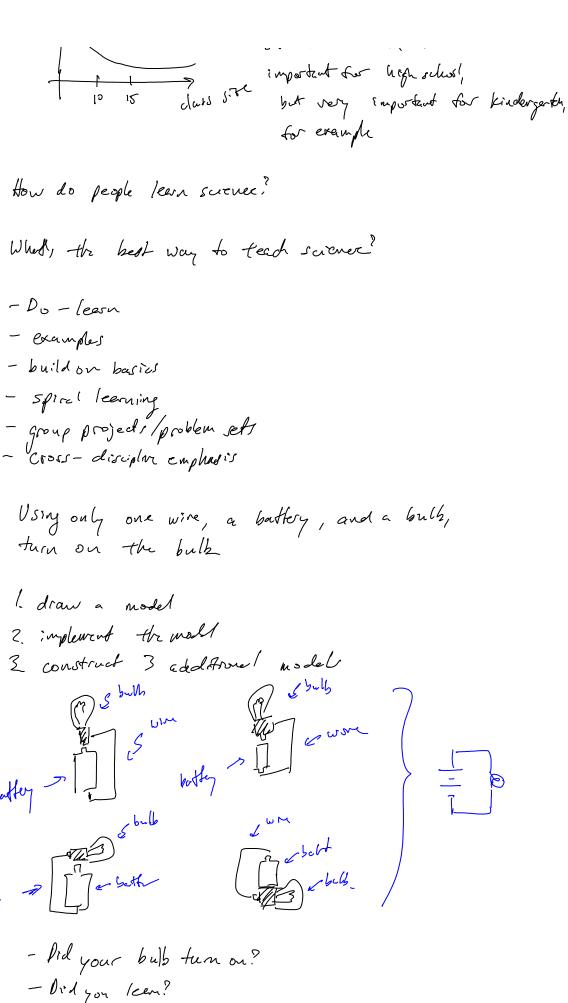
15 7 67 no change. 4

- tendency to use a method of teaching that is effective only for a small subject of the student population.

how do you teach all students effectively?

offective of

age is imported class size is not all dut



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- Did you think like a scientist?

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- Were you always wight? or did you serv up?

Hirror activity

it's not possible to see yourself in a nimer unless

the nime is at least 1/2 your body height

3

Reflection on Thought and Action

- What did you do? - assumptions!

- How do you know what to do?

Constructionst Theory of Learning

- you already howe rdeas, use them, build on them

- we don't really understand the brain, but

we're trying to been more about how

people process though

don't handhild students through easy stuff, just correbr hard stuff and introduce the easy stuff let then while things through

Start off with objective to narrow the respect and make thought achieveable

One goal of this course'

each student must write a Philosophy of Teading

Als is important for things like job apply the