Innovating education to educate innovators





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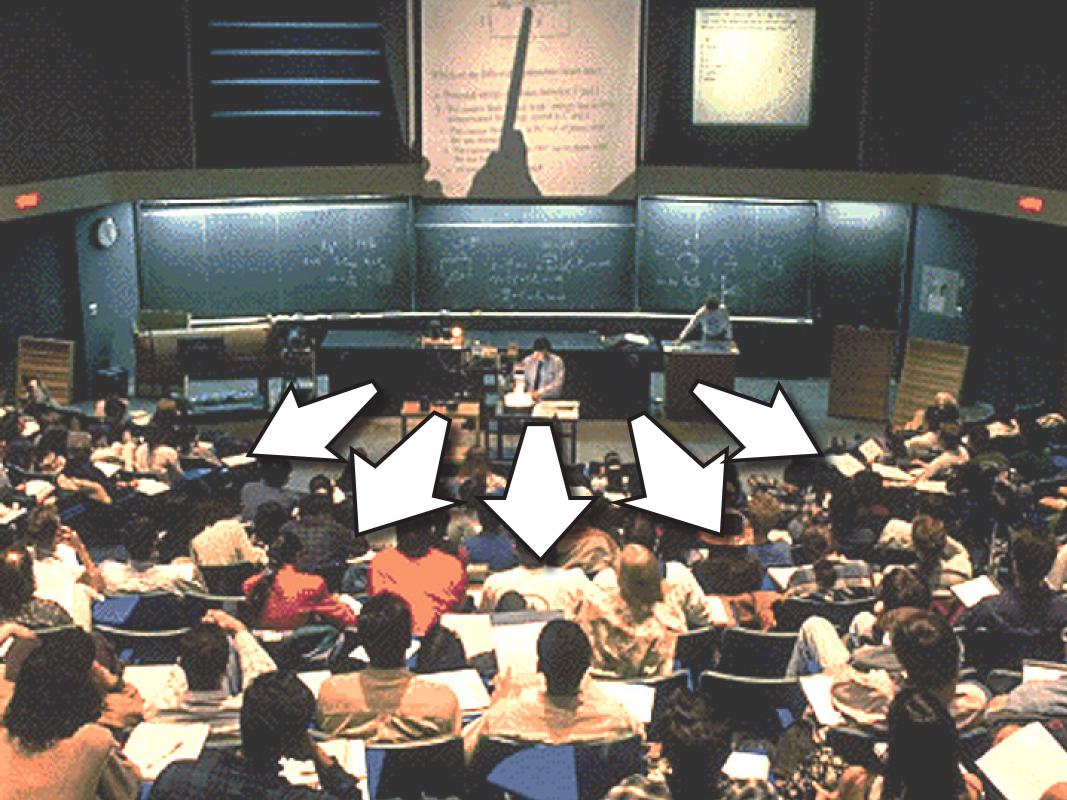


















1. transfer of information

1. transfer of information

2. assimilation of that information

1. transfer of information (in class)

2. assimilation of that information

1. transfer of information (in class)

2. assimilation of that information (out of class)

Should focus on THIS!

1. transfer of information (i)

2. assimilation of that information (out of class)

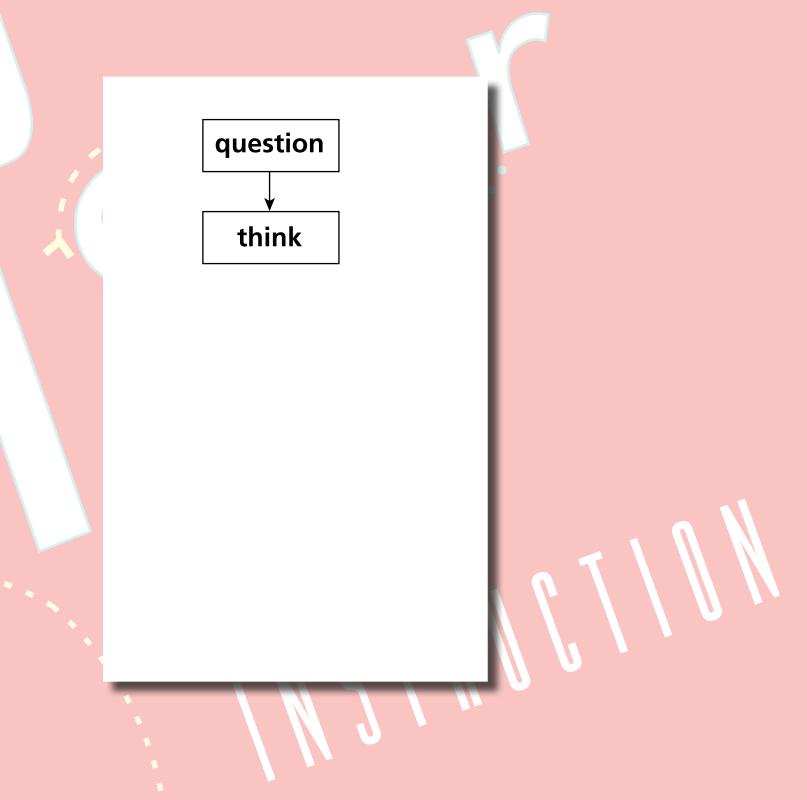
1. transfer of information (in class)

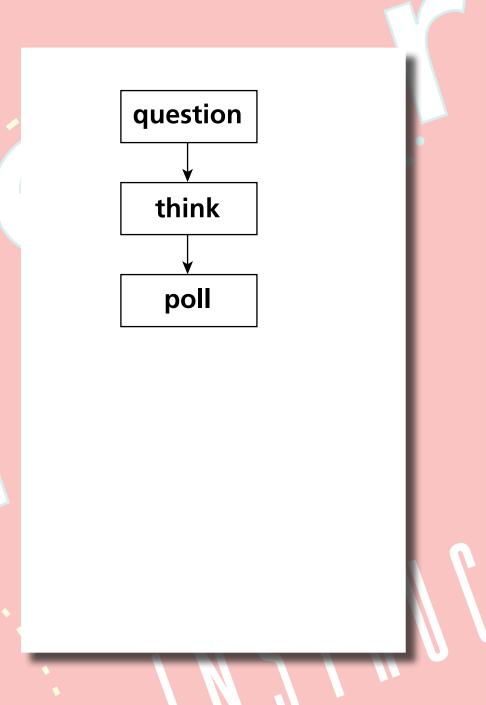
2. assimilation of that information (out of class)

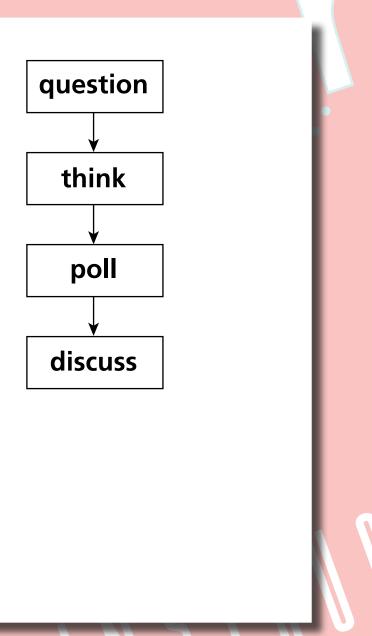
1. transfer of information (out of class)

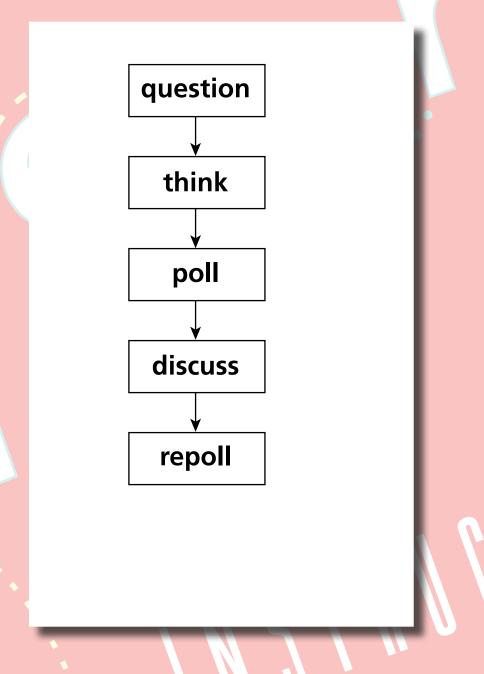
2. assimilation of that information (in class)

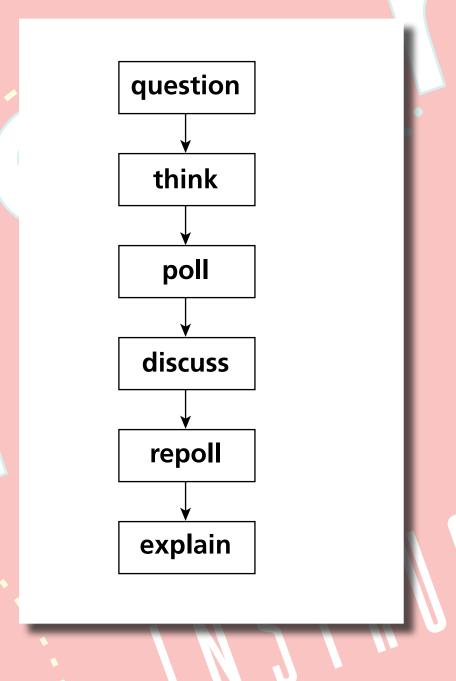
1. transfer of information (out of class) 2. assimilation of that information (in class) question

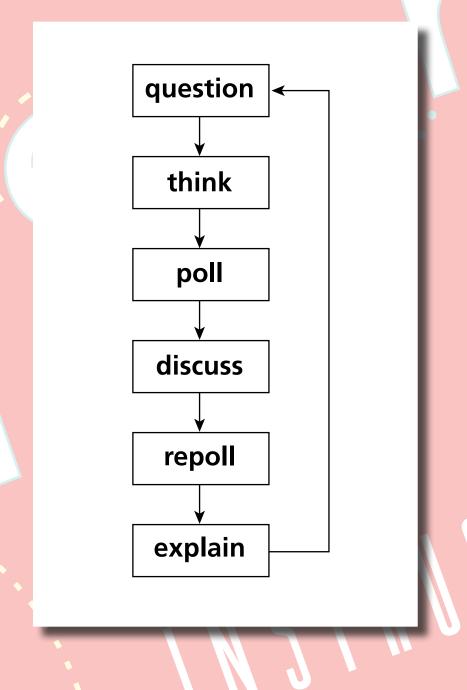


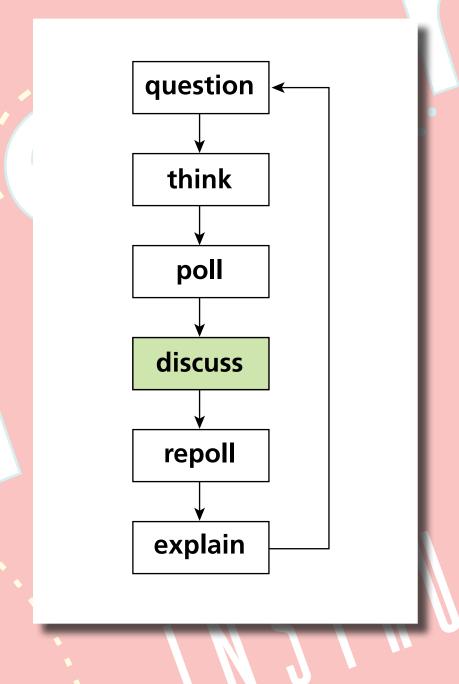




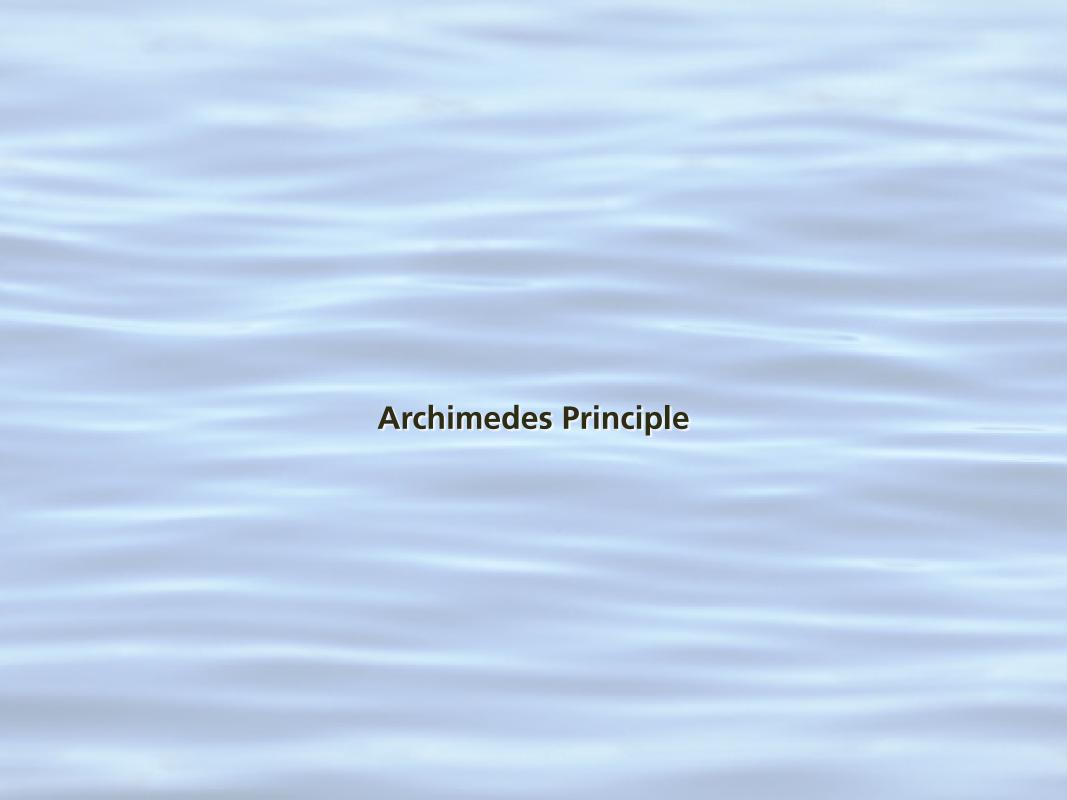


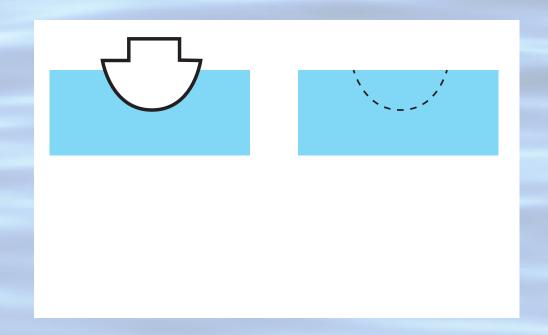




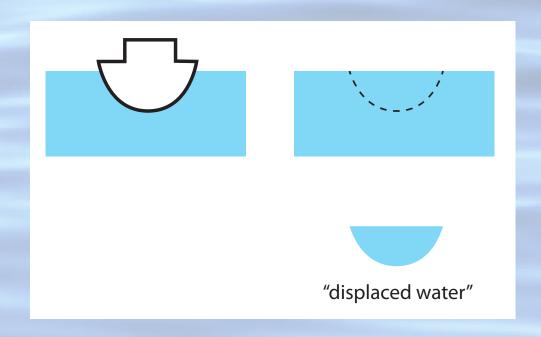




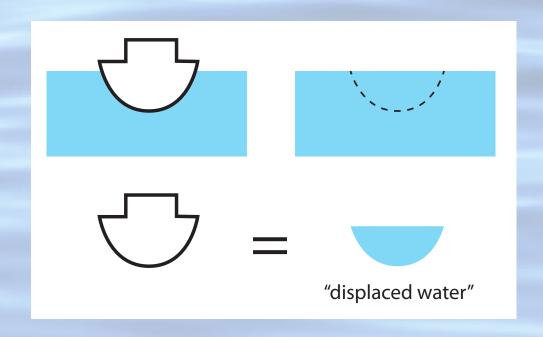




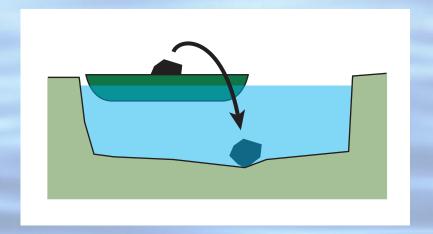
The volume of displaced fluid is equal to the volume of the submerged portion of the object.



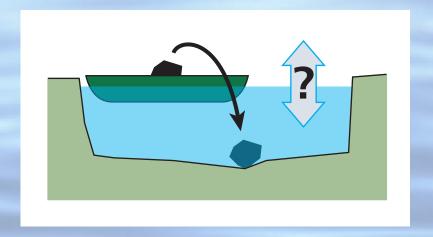
The volume of displaced fluid is equal to the volume of the submerged portion of the object.



The volume of displaced fluid is equal to the volume of the submerged portion of the object. A boat carrying a large boulder is floating on a small pond. The boulder is thrown overboard and sinks to the bottom of the pond.



A boat carrying a large boulder is floating on a small pond. The boulder is thrown overboard and sinks to the bottom of the pond.



After the boulder sinks to the bottom of the pond, the level of the water in the pond is

- 1. higher than
- 2. the same as
- 3. lower than

it was when the boulder was in the boat.

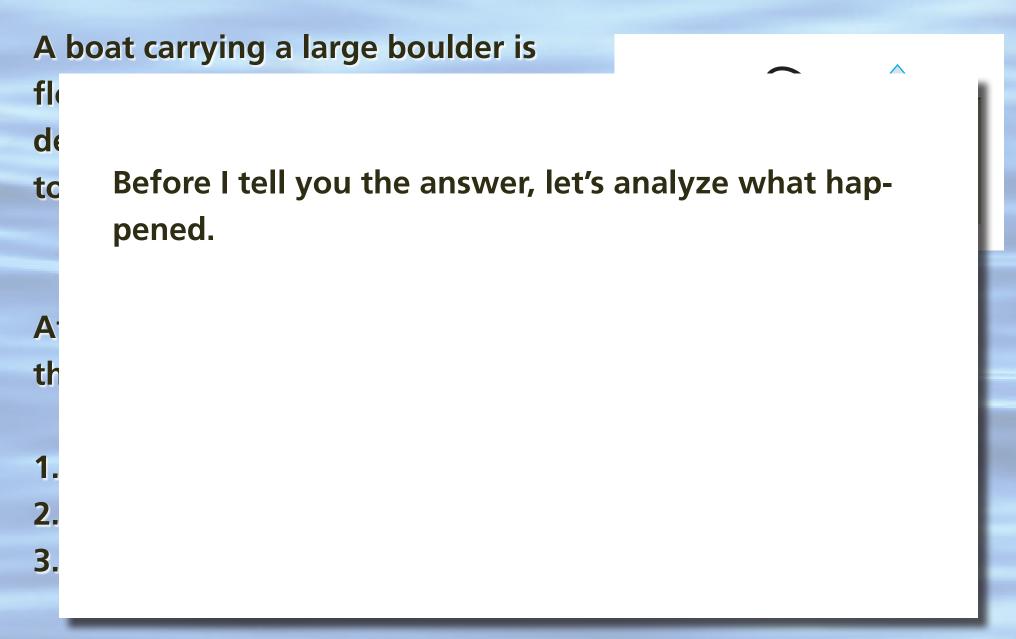
A boat carrying a large boulder is floating on a small pond. The boulder is thrown overboard and sinks to the bottom of the pond.



After the boulder sinks to the outer of the pond, the level of the water in the gold is

- 1. high n that
- 2. the same as
- 3. low r than

it was when the boulder was in the boat.



A boat carrying a large boulder is flo de Before I tell you the answer, let's analyze what haptc pened. You...

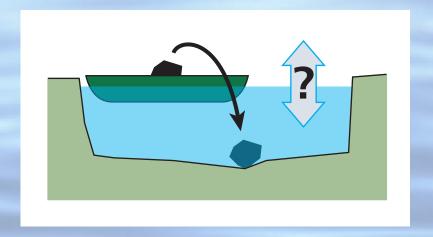
A boat carrying a large boulder is flo de Before I tell you the answer, let's analyze what haptc pened. You... 1. made a commitment

A boat carrying a large boulder is flo de Before I tell you the answer, let's analyze what haptc pened. You... 1. made a commitment 2. externalized your answer

A boat carrying a large boulder is flo de Before I tell you the answer, let's analyze what haptc pened. You... 1. made a commitment 2. externalized your answer 3. moved from the answer/fact to reasoning

A boat carrying a large boulder is flo de Before I tell you the answer, let's analyze what haptc pened. You... 1. made a commitment 2. externalized your answer 3. moved from the answer/fact to reasoning 4. became emotionally invested in the learning process

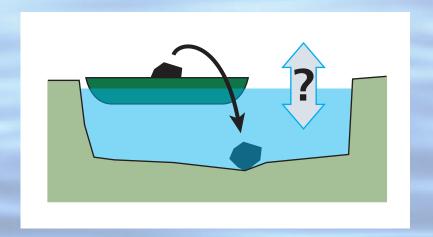
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After the boulder sinks to the bottom of the pond, the level of the water in the pond is

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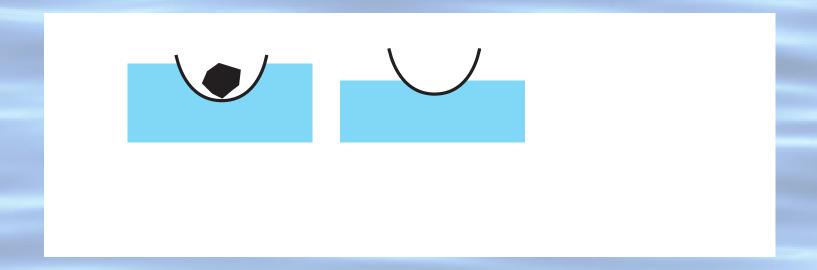
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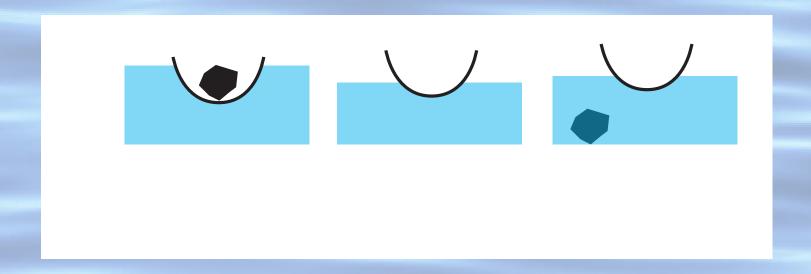


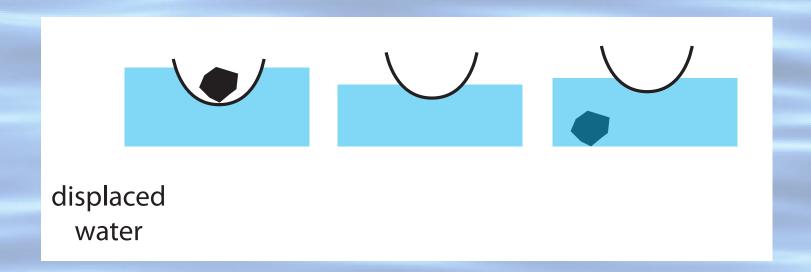
After the boulder sinks to the bottom of the pond, the level of the water in the pond is

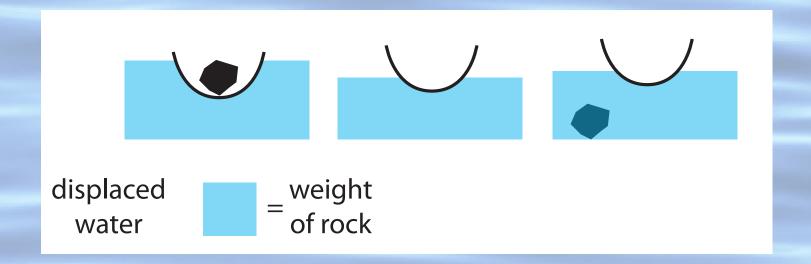
- 1. higher than
- 2. the same as
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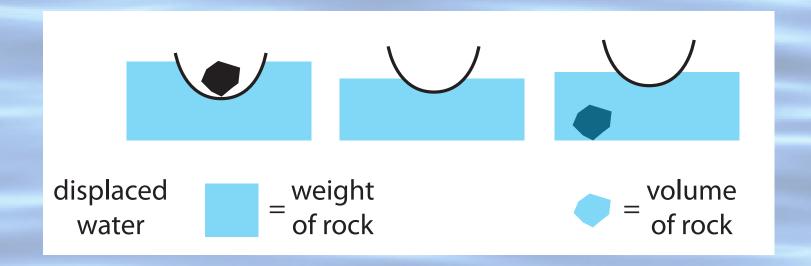












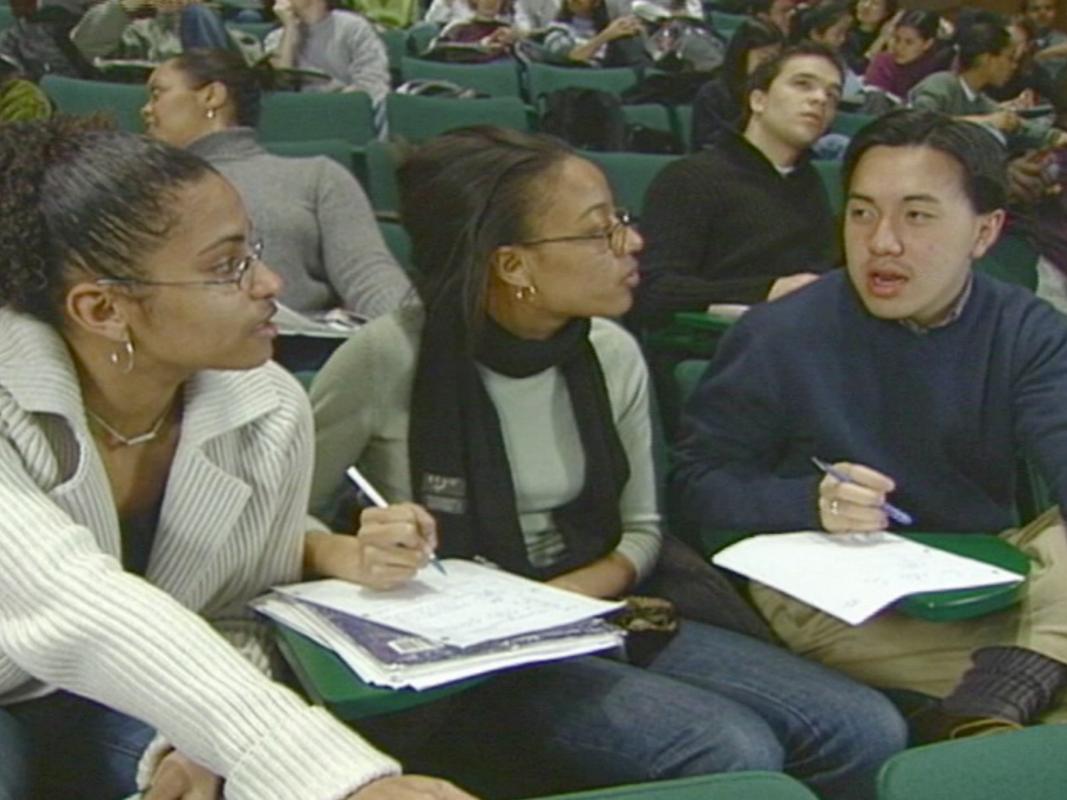






Higher learning gains

Higher learning gains Better retention



三人行,必有我师焉。

一孔子

择其善者而从之,

其不善者而改之。

Education is not just about:

- transferring information
- getting students to do what we do

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- transferring information
- getting students to do what we do

active engagement/social interaction a must!



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eric_mazur