

Learning

Learning

In the education business every few years there is a new fad. Usually it says just the opposite of the old fad. Doesn't anyone *know* anything?

Learning

In the education business every few years there is a new fad. Usually it says just the opposite of the old fad. Doesn't anyone *know* anything?

This is **Nadia Comaneci**, shocking everyone with a perfect 10 in the 1976 olympics.

Learning

In the education business every few years there is a new fad. Usually it says just the opposite of the old fad. Doesn't anyone *know* anything?

This is **Nadia Comaneci**, shocking everyone with a perfect 10 in the 1976 olympics. This is **Simone Biles** doing the same event in 2016.

Learning

In the education business every few years there is a new fad. Usually it says just the opposite of the old fad. Doesn't anyone *know* anything?

This is **Nadia Comaneci**, shocking everyone with a perfect 10 in the 1976 olympics. This is **Simone Biles** doing the same event in 2016. Somebody knows how people can learn to do things that are very hard.

Inquiry-Based Learning

Discussion

1. How do you know when you understand something?

Discussion

1. How do you know when you understand something?
2. What do you expect to remember in twenty years?

Discussion

1. How do you know when you understand something?
2. What do you expect to remember in twenty years?
3. How do you learn something new?

How to create a learning community?

A learning community is dedicated to inquiry.

It must have high standards, an understanding of the difference between what's pretty good, and what is completely right.

How to create a learning community?

A learning community is dedicated to inquiry.

It must have high standards, an understanding of the difference between what's pretty good, and what is completely right. It must also include respect for the time and thought that all contributions take, an understanding of the value of productive struggle, and an encouragement for risk taking.

A step up

In this class you *do* mathematics, directly.

A step up

In this class you *do* mathematics, directly.

The text is a sequence of statements, along with a few definitions and remarks. These statements usually ask you to prove something, or maybe to disprove or give an example.

A step up

In this class you *do* mathematics, directly.

The text is a sequence of statements, along with a few definitions and remarks. These statements usually ask you to prove something, or maybe to disprove or give an example.

Between class meetings you will have three or four of these statements. You will work on your own, without using additional texts, or the Internet, or discussing the work with other people in the class, or people who have taken the class in the past, or anyone at all.

At the next meeting, class members will propose solutions, on the board, and we will work those through as a group.