

Local to Global Connections

Seeing the local to global connections were really cool and usually surprising in one way or another.

Comparing local math and global math was interesting because you could compare something small and seemingly insignificant to something that can change the world.

Work with others to review and write down as many local to global connections in this segment as you can think of. Be prepared to share this.

Role of chance and probability in real world situations

...helped bring mathematics into a more tangible thought process for me and gave further insight to how conceptual ideas connect to the world around us and our personal lives.

- quantitative measure of the likelihood of an event
- mathematical foundation of common sense and good judgment
- 0 to 1 (or 0% to 100%)
- law of large numbers
- experimental error provides an estimate of the inherent uncertainty associated with experimental procedures

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Ways that people succeed in and impact mathematics

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- M.C. Escher
- Thomas Banchoff
- Jeff Weeks

What is truth? When are we convinced? Consequences?

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Truth and consequences is one theme that's been tangentially touched upon in past classes, but the depth we've explored in this class feels like there's more context and weight behind our knowledge.

The best thing about math is that the goal is always to find one constant answer or set of answers that can be reproduced many times. This course did a very good job of highlighting things that are constant and that we do have an answer for, as well as things that mathematicians are still striving to find an answer for. But either way, consistency is highlighted.

What mathematics is, has to offer, and how it is useful

I often had trouble with truth and consequence, but I always found the question what is mathematics very interesting.

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I care about you and your success!

