



**Cornell University**

K-12 Education and Outreach, Mathematics Department

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# MATH EXPLORER'S CLUB

(for students in grades 8-12)

## Topic: Mathematical Induction

Suppose a statement says something about infinitely many things; e.g., any even number squared is divisible by 4. How do you prove such statements are true for all cases, without checking all of the cases? Come to the Math Explorer's Club to learn about induction while playing games and thinking about paradoxes!



Image Source: <https://www.quora.com/What-are-the-practical-applications-of-mathematical-induction>

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Saturdays, **October 20 & 27, 2018**, 10 am – 1 pm, pizza @ 12:30

More Information: <https://math.cornell.edu/k12-enrichment>

Registration (required, deadline **October 17, 2018**): [https://cornell.qualtrics.com/jfe/form/SV\\_6Psdh1Vi2LTsVUh](https://cornell.qualtrics.com/jfe/form/SV_6Psdh1Vi2LTsVUh)

◆ no cost to participants ◆