

Outreach Opportunities in Math

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Outline of Talk

1. Why is Mathematics Outreach important?
2. Why should you do outreach activities?
3. Outreach activities
4. Questions

Why is Mathematics Outreach Important?

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You: “Math.”

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New Acquaintance:

- Math? Ugh!
- Oh, good for you. I was never good at math.
- Oh, I hate math. I had a terrible teacher...
- So, what do you do with that? Teach? Do accounting?
- Math? Hasn’t everything been discovered by now?

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- Approachable
- Understandable
- More human



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 - Rediscover mathematics
 - Required for membership in AMS Chapter and SIAM Chapter



Potential Outreach Activities

Fall

- Math Circle
- High School Math Contest
- Derivative Bee

Spring

- Math Circle
- Integral Bee
- Math/Stat Fair
- Physics Open House

Summer

- Math Circle (End of May)
- SEE-Math
- SMaRT Camp



Math Circle

- Meets on Saturdays, 2:00-4:00pm (Volunteers should expect to be there 1:30-4:15pm)
- Volunteers asked to help run activities, answer questions, distribute materials
- Volunteers can attend as often as their schedule allows
- Volunteers are encouraged to develop and run their own activities:
 - 30 minute activity: Short game, puzzles, etc.
 - 90 minute activity: Investigate/Discover mathematical concepts
- Snacks and small travel/book grants will be provided
- Contact Kris Watkins (kriswatkins4712@math.tamu.edu) if interested.

Derivative Bee

- Thursday, October 17, 7:00pm-9:30pm, Blocker 169
- Volunteers will assist with check-in, clicker assignments, check answers of contestants during second round for “wild card” points
- Grad students are also welcome to participate!!
- Pizza will be provided
- Contact David Manuel (dmanuel@math.tamu.edu) if interested

High School Math Contest

- Saturday, November 9, 2019
- Volunteers will grade the exams
- Lunch will be provided
- Contact Donna Hoffman (donna@math.tamu.edu) if interested

Integral Bee

- In early spring: TBD
- Volunteers will assist with check-in, clicker assignments, check answers of contestants during second round for “wild card” points
- Grad students are also welcome to participate!!
- Pizza will be provided
- Contact David Manuel (dmanuel@math.tamu.edu) if interested

Math/Stat Fair

- Saturday, February 22, 2020, morning & afternoon
- Volunteers asked to help with check-in, supervise Math Game room, help grade for the Math Contest, supervise the Math Art Room, serve pizza
- Pizza will be provided
- Contact Tamara Carter (tcarter@math.tamu.edu) if interested



Physics Open House

- Saturday, April 4th, 2020 (all day)
- Volunteers asked to supervise the Math Booth: Play games with kids, help them solve puzzles, run demonstrations, advertise Math Open House
- Lunch will be provided
- Contact Phil Yasskin (yasskin@math.tamu.edu) if interested



SEE Math

- Summer Educational Enrichment in Math
- Two-week summer camp for gifted and honors level math students entering 6th, 7th or 8th grades.
- Volunteers asked to help run activities
- Snacks will be provided
- Contact: Phil Yasskin (yasskin@math.tamu.edu) if interested



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4. I don't know who to contact!
 - That's why I'm providing you with a list of the activities and names.

Thanks for listening!

More information about these activities can be found here:
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