

Summer Problem-Solving Camp



Bring a snack!



June 20 - June 24

9 AM - 12 PM

\$125 per student



Join us in learning about special mathematical topics (discrete math, cryptography, enumeration, etc.), work on solving problems/writing proofs, and doing STEM contests (building bridges, catapults, paper airplanes, etc.) with prizes for the winners!



Open to incoming 5th - 8th graders!

Contact Mrs. Evans with any questions:
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Summer Problem-Solving Camp

This year, there will be a problem-solving camp available to students that are currently in 5th grade - 8th grade. The camp will run Monday, June 20th - Friday, June 24th from 9 AM to 12 PM. Students should bring a snack or two to camp. The problem-solving camp will cost \$125 per student (\$25/day). There will be a minimum of 12 students and a maximum of 24 students per session.

Students often think that math is just algebra and geometry, but math is much more. Graph theory is used for mass scheduling, cryptography is used when encrypting credit card information, set theory and combinatorics are used in probability and statistics, and the list goes on and on. I want students to be able to understand that math is more than just solving equations, solving proportions, and finding the area of shapes.

Schedule

Students will have the same type of activities each day with new topics, problems, and projects:

- introduction to the special mathematical topic of the day
- work in small groups to solve a problem or prove that a concept must be true through logical reasoning (writing a proof)
- work in small groups to do a STEM project (making a bridge out of popsicle sticks, glue, etc., designing the most efficient paper airplane that can travel the fastest, hold the most "cargo", etc., making the most effective catapult that can launch the furthest, the most accurate, etc.)

What to bring to camp?

All materials will be provided to students (pens, pencils, paper, supplies for projects, etc.). The only thing students should bring to camp are:

- snack(s)
- water bottle/drink

Drop-Off / Pick-up

Drop-off and pick-up will be at the garden entrance doors. (Where normal carpool occurs.)

- Drop-off is at 9:55 AM – 10:05 AM.
- Pick-up is at 1:00 PM. Please be at the school (garden entrance) by 12:55 PM.

Due Date:

To secure your spot at problem-solving camp, please be sure to complete the following:

1. Sign up your student using the link below (Sign-Up Genius) by **Friday, May 27**.
2. Pay \$125 (again, \$25/day) on FACTS SIS by **Friday, May 27**.

Sign-Up Genius Link

<https://www.signupgenius.com/go/10C0D4FAAA928A1FCC07-problemsolving>