

Come to K-State for a Math Workshop to celebrate Sonia Kovalevsky Day!



This workshop is open to **all area middle school students, grades 6-8**, and is **free — including lunch**. Our goal for this workshop is to **increase girls' interest in mathematics**, assist them in the transition to high school math and encourage their pursuit of STEM disciplines. The workshop is **open to all genders!**

Join us for
Sonia Kovalevsky Day
Saturday April 20, 2024, 9 a.m.-3 p.m.
at Cardwell Hall
on the K-State campus!

- **Probability games:** If we roll a dice several times, how likely is it that we will roll a one at least once? In this workshop, we will explore how we can use probability to explain the likelihood of different outcomes in random-chance games.
- **Solving puzzles with algorithms:** Have you ever wondered how someone can solve a massive Rubik's Cube blindfolded? The answer is algorithms! Algorithms are a way to mathematically encode a step-by-step process for accomplishing a task. We will learn the basics of algorithms, and we'll learn the specific algorithms for solving fun and interesting puzzles along the way.
- **Aquapark for zombies:** Exponential growth and decay have numerous scientific and real-world applications. Join us as we learn about zombie infection rates, Zeno's paradox and more!

The Department of Mathematics at **Kansas State University** and the Graduate Student Chapter of the **Association for Women in Mathematics** are hosting this workshop on **Sonia Kovalevsky Day**.

Kovalevsky was a 19th-century mathematician, advocate of women's rights and **pioneer for female mathematicians** around the world.

We are grateful for financial support from the William J. Spencer Endowment.

Space is limited — learn more and register at

math.k-state.edu/skday
by April 6, 2024

KANSAS STATE
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Department
of Mathematics

Email skday@k-state.edu for questions.