

SECOND ANNUAL SUMMER MATH PROGRAM FOR HIGH SCHOOL STUDENTS

Albany, NY, July 2017

Ivana Alexandrova, an assistant professor of mathematics at SUNY Albany, will lead a four week summer math school for high school students during the month of July 2017.

Any student at any level who is interested in mathematics is welcome to participate.

- The Summer School will be run in the Eastern European tradition of problem solving. We will be working on problems used in the math high schools in Eastern Europe.
- We will meet for two hours every day over the course of four weeks. The exact schedule will be determined to best suit the participants' schedule. Students will be grouped in sections according to their level.
- We will be covering material which is not part of the regular high school curriculum in the US but is standard in other countries and is needed for college preparation. *This program will thus help the students become better prepared for their college level STEM and economics courses and become more competitive in today's global economy.* It will also help the students be better prepared for the SAT.
- Through working on intriguing problems which deepen their understanding and command of the material and which explore interesting and unexpected connections among the different areas of mathematics, the participants will sharpen their problem solving and analytical skills, which will be useful to them in all branches of science, engineering, and business and economics.
- The participants will have the opportunity to meet other students from the area who share their interest in and enthusiasm for mathematics.

The following webpage contains problems of the type, which will be discussed during the program

<http://www.albany.edu/ial Alexandrova/HS.html>

Updated information about the summer school can be found at

<http://www.albany.edu/ial Alexandrova/SS17.pdf>

For further details please contact Ivana Alexandrova at zlatkovamathschool@yahoo.com.

Ivana Alexandrova holds a Ph.D. in Mathematics from the University of California at Berkeley. She is originally from Bulgaria, where she attended a highly selective and rigorous mathematics high school and participated in and won a number of prestigious mathematics olympiads and competitions. She enjoys sharing her mathematical knowledge with anyone interested in hearing about it and is looking forward to working with the interested high school students this summer. She wants to share with the participants the types of problems that have kept her interested in mathematics from an early age, that have propelled her to excel in math, and that have helped her and her high school friends prepare for successful careers in fields that use mathematics.