

THIRD ANNUAL MATH PROGRAMS FOR HIGH SCHOOL STUDENTS

Albany, NY, April 2 - 6, 2018

Ivana Alexandrova, an associate professor of mathematics at SUNY Albany, will lead a one-week spring math program for high school students during the Spring Recess of 2018.

Any student at any level who is interested in mathematics is welcome to participate. The programs will be independent of each other and thus a student may participate in any one of them or in both of them.

- The program 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.
- The program is ten hours and 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. [These programs 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.](#)
- 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 ask Prof. Alexandrova questions about college and college preparedness and standards will be discussed.
- 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 programs can be found at

<http://www.albany.edu/ial Alexandrova/SS18.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 has worked with high school students through the Wylie Mathematics Tournament in the Southeast, the Math Battle at the University of Toronto, Canada, and the Albany Area Math Circle. She created this program in 2016 in order to be able to share with the participants the types of problems that have kept her interested in mathematics from an early age, have laid the foundation for her future success in mathematics, and have helped many of her high school classmates prepare for successful careers in fields that use mathematics.