

NOVA NEWS

www.schoolnova.org

MAY 2023

IN THIS ISSUE:

"There is nothing like a good competition to push you even further. Embrace competition - you might surprise yourself!"



PHYSICSBOWL



SCHOOLNOVA HOSTS COMPETITIONS



Math Kangaroo competition hosted by SchoolNova, 2023

To our Students:

It is through these experiences that you will discover your true capabilities, make lifelong memories, and set yourself on a path to success. Seize the opportunity, embrace the challenge, and let your academic journey soar to new heights. We are very proud of you!

- SchoolNova Faculty

**CONGRATULATIONS
TO ALL PARTICIPANTS!**



Our heartfelt gratitude to SchoolNova teachers - Alexander Kirillov, Tatiana Zaliznyak, Marleine Chiofalo, Daria Stepanenko, Svetlana Vostrova, Vibha Mane, David Frenklakh for their unwavering dedication to organizing and hosting the academic competitions.

We thank SBU Mathematics Department and SBU Department of Physics and Astronomy for co-hosting some of SchoolNova academic events.

Participation in Math competitions is not limited to SchoolNova students. Everyone is welcome!

Today, we want to highlight the tremendous benefits of participating in academic competitions and why it is a transformative experience that can shape kids' personal and educational journey in many remarkable ways.



Math Kangaroo, 2023

Academic competitions provide a platform for our students to showcase their knowledge, skills, and abilities beyond the boundaries of the classroom. They challenge the students to go above and beyond, pushing the limits of their intellectual capabilities. By participating, they embark on a journey of growth, self-discovery, and personal development.

First and foremost, academic competitions foster a deep sense of motivation and drive within. They ignite a competitive spirit, encouraging children to strive for excellence and continuously improve, and offer an opportunity to expand their knowledge horizons.

Academic competitions also foster teamwork and collaboration. Many of these competitions involve group or team-based activities, promoting communication, cooperation, and the exchange of ideas. Learning to work effectively with others, appreciating diverse viewpoints, and collectively brainstorming innovative solutions provides invaluable skills in the professional world, where collaboration is essential for success.

Through preparation and participation, students connect with like-minded peers, and mentors among SchoolNova faculty, who share their passion for knowledge, leading to invaluable mentorship, guidance, and academic connections.

In conclusion, the benefits of participating in academic competitions are truly transformative. They cultivate motivation, expand knowledge, foster collaboration, enhance confidence, and create invaluable connections.



<https://schoolnova.org/nova/competitions>

SCHOOLNOVA NEWSLETTER

MATH OLYMPIADS:

MAA American Mathematics Competitions (Mathematical Association of America - MAA):

- **AMC 8** - middle school level competition
- **AMC 10/12** - high school level competitions
- **AIME** - American Invitational Mathematics Examination - AMC's invitational competition for high scoring AMC 10/12 participants.



ALEXANDER KIRILLOV
SchoolNova Math Teacher
Chair of Mathematics Dept., SBU

SchoolNova participates since 2005. For 5 years in a row we are on the list of U.S. School Merit Roll (top 2% - 5% in USA). We always have students who are on the U.S. Distinguished Honor Roll List (top 1%) and on the USA Honor Roll List.

SchoolNova offers a few sessions of preparation for the exam during the weekly Advanced Math Problem-Solving Club meetings.

MATH KANGAROO



Math Kangaroo Competition is an annual International Math Competition for elementary, middle and high school students. SchoolNova participates since 2005. We are proud that our SchoolNova students are always among the top 1% in the USA and many more are in the top 30% in the nation.



DARIA STEPANENKO
SchoolNova Math Teacher
Ph.D. candidate,
Department of Applied Math, SBU

MATHCON



VIBHA MANE
SchoolNova Math Teacher
Adjunct Faculty, Department of Electrical and
Computer Engineering

MathCON is a nationwide Math Competition open to all students in grades 4 through 12. Over 250,000 students, from 50 US states and Canada, participate in this competition. This year 8 students from Math Club 5 participated in the First Round Online Competition, in grade levels 4, 5 and 6.

HONORS 2022-2023:

NTNL Rank	STATE Rank	MATH KANGAROO	Gr.	Score
1	1	Michael Lu	11	120
1	1	Alexander Song	10	120
3	2	Jack Lu	8	116
3	2	Marvin Yin	5	115



We are excited to announce a very special award! Michael Lu, the winner of Math Kangaroo 2023 Contest, has been selected to take part in an international mathematical camp this summer in Zakopane, a town in Poland. He will spend some unforgettable days there, full of excursions, hiking tours, games and leisure activities, and of course, mathematical competitions!

Every summer, Math Kangaroo brings ten high school freshman/sophomores on a 10-day international math camp in Poland. The students meet other youth from around the world, attend lectures from mathematicians, participate in a math competition, and have the opportunity to visit unique sites in Poland.

CONGRATULATIONS TO MICHAEL!

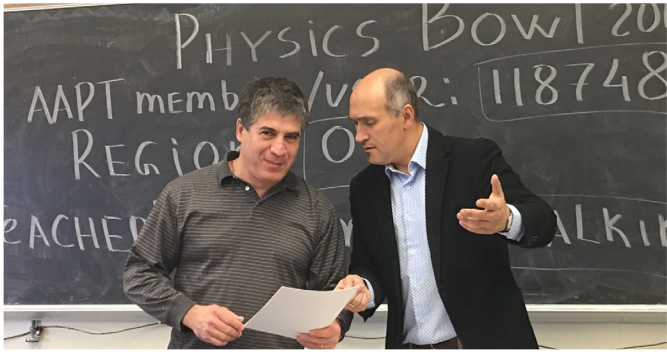
Congratulations to Daria Stepanenko, our beloved SchoolNova Math Teacher, on her debut as a Math Kangaroo organizer! Our Thanks to an amazing team of teachers and TAs who helped!



MathCON	Grade	National PCTL*
Jude Badawi	4	96%
Saanvika Reddy	5	94%
David Goldberg	5	93%
Mayukh Mazumdar	6	92%
Robert Zhang	6	89%

*The percentile is calculated separately for each grade level

PHYSICS COMPETITIONS:



Alexandre Abanov and Sergey Suchalkin hosting PhysicsBowl, 2017

PHYSICSBOWL



F=ma PHYSICS EXAM



DAVID FRENKLAKH

SchoolNova Physics Teacher

Physics Competitions organizer 2022/2023

Ph.D. candidate, Department of Physics and Astronomy, SBU



F=ma is a high school level US Physics Competition coordinated by American Association of Physics Teachers and American Institute of Physics to select the team to represent United States at the International Physics Olympiad (IPhO), with the exams (part A and B) given in the end of January. Students with the passing score 18 out of 25 move from the F=ma exams on to the National USAPhO exam.

SchoolNova at Stony Brook participates since 2019.

PhysicsBowl competition is for middle and high school students. The competition is organized by American Association of Physics Teachers. The test is taken during April each year by approximately 10,000 physics students.

SchoolNova participates since 2016.

LANGUAGE CONTESTS:



MARLEINE CHIOFALO
SchoolNova French Teacher



LE GRAND CONCOURS
THE NATIONAL FRENCH CONTEST

FRENCH LANGUAGE



Le Grand Concours - a French Language annual competition sponsored by the American Association of Teachers of French



AATF National Francophone Trivia - annual competition organized by the Association of Teachers of French



FLES - French Language Elementary school an annual competition sponsored by the American Association of Teachers of French



LE GRAND CONCOURS 2023

Award	Name	Level	Score	Natl Rank	Natl PCTL
Gold	Amartya Das	1A	67/70	4	97th
Silver	Yash Paranjape	2A	60/70	11	89th
Silver	Julien Maurer	3C	57/60	4	88th
Silver	Alisa Tricoli-Bugan	FLES A	50.5	8	85th
Certificate of Honor	Devon Welsch	2A	43/70	28	51th
Certificate of Merit	Andre Polcari	4A	23/60	37	32th

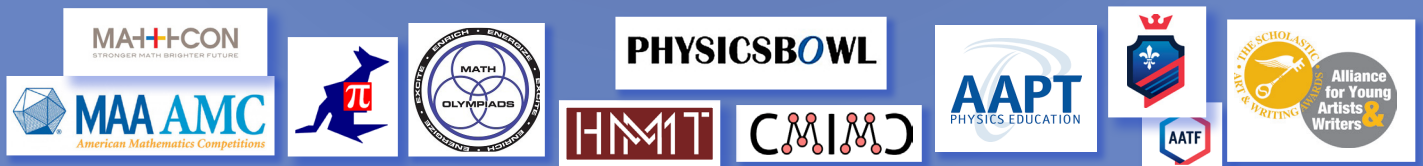


OUR COMMITMENT AT SCHOOLNOVA



At SchoolNova, we understand the immense value of academic competitions and are committed to providing a wide range of opportunities to our students and the community at large. We firmly believe that these competitions foster growth, inspire excellence, and broaden horizons. That is why we strive to create an inclusive and supportive environment where everyone can participate and thrive.

- We carefully select and host competitions that are renowned for their significance in their respective subjects. By bringing these prestigious competitions to our community, we ensure that our students have access to the best platforms to showcase their talents.
- We actively seek out new competitions each year, expanding the range of opportunities available to our students and the wider community. By continuously exploring fresh avenues, we aim to broaden the scope of subjects and disciplines represented, catering to a diverse range of interests and passions.
- We take pride in hosting competitions that may not be readily accessible to our community. Recognizing the limitations posed by geographic proximity, we bring these competitions to our area, granting students and participants the chance to compete without the constraints of distance. By doing so, we open doors to experiences that may otherwise remain out of reach, fostering a vibrant academic community.
- We welcome participants from all backgrounds, regardless of whether they are our students or not. By embracing all participants, we promote diversity, inclusivity, and a sense of unity among fellow learners.
- To ensure that financial considerations do not hinder participation, SchoolNova takes on the responsibility of covering the costs associated with registering and running the competitions. We understand that financial barriers should never stand in the way of educational opportunities. However, it's important to note that individual Math Kangaroo registration fees are charged by the Math Kangaroo organization itself. Nonetheless, we continuously strive to minimize financial obstacles to all.



Join us at SchoolNova as we celebrate the value of academic competitions and empower students and the community at large to reach new heights of achievement.

Together, let's embrace the spirit of competition, ignite the love for learning, and nurture a generation of motivated, accomplished individuals.

BY DONATING TO SCHOOLNOVA YOU ARE SUPPORTING ENRICHMENT EDUCATION



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