

Creativity. Excellence. Mathematics.

Chesapeake Lighthouse Foundation (CLF)'s Advanced Math Program (AMP) is designed for students who want to be challenged!

Expect to: invent your own & solve unusual problems, apply existing knowledge in new situations, learn famous gems of mathematics, and explore the unknown. Classes focus on material you won't encounter in the regular classroom curriculum.

To test newly honed skills, the program will prepare participants for challenging math competitions such as: MOEMS, MathCounts, ARML, and PUMAC.

By working with teachers in small focus groups, AMP will build reasoning and problem solving skills that will contribute to your success in any subject area.

Tristan Carmean

Tristan Carmean graduated from North County High School and is currently attending University of Maryland as a chemistry major in his sophomore year. He began working with CLF AMP two years ago. Aside from this program, he has also helped teach AP Calculus crash courses at CLF camps. He is hoping to enroll in dental school after finishing his undergraduate degree.



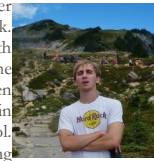
Sandra Sandeep



Sandra is pursuing a Computer Science degree as a Banneker/Key scholar in the Advanced Cybersecurity Experience for Students (ACES) Honors program at the University of Maryland, College Park. She first started participating in competitive math in middle school as a part of the Chesapeake Science Point MathCounts team. During this time, Mr. Avsar inspired a love of math in her and Sandra hopes to engender this same love in her students in the Advanced Math Program. Additionally, Sandra ran an SAT Reading and Writing Prep class at CMIT high school last year. In her free time, Sandra enjoys playing soccer, watching movies, and creating graphic art.

Lukash Onyshkevych

Lukash is currently enrolled as a Math and Computer Science major at University of Maryland, College Park. He has been involved with math competitions since 7th grade, when Mr. Avsar recommended him to join the Chesapeake Science Point math team. Lukash then placed 3rd in a statewide MathCounts competition in 8th grade, and won many more awards in high school. He has been teaching with CLF for two years, hoping to inspire a similar appreciation for math in his students. Besides doing copious amounts of math, Lukash spends his time eating, watching hockey, and camping.



Ruslan Onyshkevych



Ruslan is a math and computer science double major attending University of Maryland, College Park in the Scholars program, where he teaches elementary and middle school students math and robotics. He has been competing in math competitions for 6 years, winning numerous statewide and national awards and has no plans to stop. When he isn't hard at work studying math, he enjoys hiking, watching basketball, playing pool with his friends, and being an active member in the Ukrainian community.

Mr. Ferhat Avsar

Mr. Avsar is a mathematics teacher and math team coach at CMIT-North. This is his 12th year in teaching. Throughout his career, he has worked with Gifted and Talented students at various grade levels. His students have received some of the top awards from state, national and international competitions and events. He recently received an award for Teacher as Leader in Gifted and Talented Education from the Maryland Advisory Council for GT Education. He enjoys doing challenging math problems :), spending time with his family, and playing soccer during his leisure time.



CLF Advanced Math Program



www.clfadvancedstudies.org

Sample Problems

Memorial Day always takes place on the last Monday of May. This year, 2016, Memorial Day was May 30th. What is the next year that Memorial Day will be on May 30th again?

A jar contains 3 white balls, 4 blue balls, and 5 red balls. If you pick them without looking and without replacing them in the jar, what is the probability that you pick a white, then a blue, then a red ball?

One of these statements is false. Which one?

- A. D is true
- B. The above statement is true
- C. One of the above statements is false
- D. The statement below is true
- E. This statement is true

Who is it for?

This program is made for students who excel at standard math in school, and are looking to learn math that is more interesting and challenging. Additionally, if you are a student on your school's math team, this program is great for improving your competition results.

Our Elite Students Go 2:

MIT, Harvard, Stanford, Cornell, University of California-Berkeley, Johns Hopkins, Columbia, University of Maryland, Purdue, etc.

Tryout Info

Tryout tests will be held on several days through August at the CLF location at 6151 Chevy Chase Dr, Laurel, MD 20707. Students can expect tryouts to take around two hours. Calculators will not be needed. Please sign up for a tryout date at www.clfadvancedstudies.org **REGISTER** tab. We look forward to meeting you!

Tryout Dates

Students only need to attend one of these dates. If a student is unable to make any of these dates, please email advancedmath@clfmd.org.

Saturday, August 13th 9:30-11:30 am
Monday, August 15th 5:00-7:00 pm
Saturday, August 20th 9:30-11:30 am
Monday, August 22nd 5:00-7:00 pm
Saturday, August 27th 9:30-11:30 am
Monday, August 29th 5:00-7:00 pm
Saturday, September 3rd 9:30-11:30 am
Monday, September 5th 5:00-7:00 pm

Competition Dates

MathCounts: Regionals, States, and Nationals

Feb., March, May

Carderock Math Competition—March

Math League Contests (3 parts)—Oct., Nov., Dec.

UMD HS Math Competition—Oct. & Nov.

Mathalon—November

Math Olympiad (two parts)—Nov. & Dec.

AMC 8—November

Princeton University Math Competition—Nov.

Try-Mathalon NSBE—Nov. & Mar.

www.clfadvancedstudies.org

Venue

The program will take place on most Saturdays between September 10th, 2016 and May 27th, 2017. A detailed calendar, including days without classes, will be provided after tryouts. Classes will run in the morning (approx. between 9:00am and 1:00pm) at:
**The CLF Center for Advanced Studies
on 6151 Chevy Chase Dr. Laurel, MD 20707.**

Fees

Due to the generous support of the Chesapeake Lighthouse Foundation and its president, Mr. Spear Lancaster, we are able to offer this program at a cost of **\$25** per child, per week. This fee must be paid online via credit card at www.clfadvancedstudies.org please.

Contact Us

Please contact advancedmath@clfmd.org with any questions or concerns. We would love to hear from you!!

@CLFAdvanced

Follow us on Twitter for Updates, Questions of the Week, and Zany Math Jokes!

