Why go to BEAM?

BEAM is a once-in-a-lifetime opportunity to study advanced math and make great friends.

The trips were amazing but the classes were equally awesome.

Ahmadou

Apply to BEAM! You’ll meet awesome friends, learn challenging math, and grow as an individual.

Lismary

BEAM 7 2018

7th Graders:
You are invited to apply to

BEAM 7 2018
a program for students who are ready for advanced math held at Bard College or Union College

July 8 - July 29, 2018

www.beammath.org | info@beammath.org

Why go to BEAM?

BEAM is a once-in-a-lifetime opportunity to study advanced math and make great friends.

BEAM is lots of fun.
(Just see what our past students say!)

Apply to BEAM! You’ll meet awesome friends, learn challenging math, and grow as an individual.

Lismary

This project was supported in part by Science Sandbox (a Simons Foundation initiative).
What will I learn?

At BEAM, the big question is “WHY.” Why are things in math true? How do we figure them out? You will learn to think in new ways, to reason about what is true and what isn’t, and to solve harder problems than you thought possible. It will open up new worlds.

The courses are different each year, and many of the class topics may be things you’ve never heard of. There will be classes like “Number Theory”, “Incidence Geometry”, or “Logic”. There will also be courses about how math is used in the world, like “Astrophysics” and “Computer Programming”.

What’s different about BEAM 7?

You choose your classes: Like at college, we want you to have control over your own learning. Each week, we’ll fill up the courses based on what you want to take. You won’t always get your first choice, but we’ll always be working to help you get the learning that is best for you.

Small class sizes: Classes are about 10 students each.

You live on a college campus: You’ll live in a college dorm room, eat in a college cafeteria, and take classes in a college classroom. Our counselors will help you become more independent.

We support you through college: After the summer, we help you to get into a great high school and to find great learning opportunities including other summer programs. In high school, we help you with your homework, college applications, and even the SATs. We will stay together as a community until you go to college - and beyond!
Who will I meet?
The other students at BEAM will be 7th graders from across New York City. We usually admit at least two students from each school, so you will already know someone.

In addition to 40 students, there will be 18 staff members: 8 counselors, 7 faculty, a nurse, a guidance counselor, and a site director.

We are all from different backgrounds, but everyone at BEAM loves to learn, both about math and other things in life!

What are activities like?
Activities are a mix of everything, some familiar and some new. We like to offer sports (basketball, soccer, and Ultimate Frisbee are common), quiet activities (like arts and crafts or board games), and more unusual activities as well (math origami and slam poetry have shown up in the past!). If we don't offer your favorite activity, ask us and we will try to find the supplies that are needed.

What else happens at the program?
Every Saturday, we hold fun math competitions (called Relays) and hear from a guest speaker. At the end of the program, we also have a Talent Show. There are movies, games, and lots more!

What is living on a college campus like?
It will be a new experience. You will live in a real college dormitory (dorm) on a hall with all students of your same gender. Most students will have a roommate. The counselors also live on the hall so there's always someone around to help. The dorm also has a large lounge with books, games, and couches where you can hang out with your friends during free time.

Who will my roommate be?
You will find out on the first day of the program. If you go to BEAM with someone of your same gender from your school, you two can request to be roommates. In June, before the program, you will meet other students who are attending. If you get along with someone there, you can request to be roommates. Otherwise, we will assign you to room with someone we think you will get along with!

What will I eat?
A balanced diet! We will help you pick healthy foods from the campus cafeteria, where you will eat breakfast, lunch, and dinner. We can accommodate any special dietary needs, like vegetarianism. And many of our students don't eat pork, so we will always serve a non-pork option.

I have an important religious event during the summer. Can I still come?
Of course. We will work with you to make sure the schedule works for you. In past summers, we have had students observe Ramadan while at the program. If you attend church, we can find one nearby. Tell us what you need and we will work to make it happen!
**Student Safety Policy**

We take student safety very seriously. There are 18 staff members, and students are supervised at all times. We have a nurse on-call and a guidance counselor to help students work through any challenges adjusting to their new environment. Transportation is free for students, and parents may visit during the summer. If your child is admitted, we will send more information and you will be invited to a family lunch where you can talk to past students and parents. Until then, feel free to contact us with any questions!

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**After the Summer**

BEAM is not just a 7th grade summer program. BEAM is a 5-year program that gives you the opportunities to succeed. We are committed to helping you continue to challenge yourself as you prepare for college, and we want you to see your new friends again. We hold events throughout the year and we will stay in touch through mail and email also.

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**September to December of 8th grade**

BEAM will work with the entire family to help your child apply to great high schools.

**January to June of 8th grade**

BEAM offers an Algebra 1 course, support with applying to future summer programs, and field trips to places like Google.

**9th & 10th grade**

BEAM Next provides weekly Saturday classes designed to support you in high school. You can also study more math or learn computer programming!

**11th & 12th grade**

BEAM College Prep offers free SAT/ACT prep courses and advising to help you get a scholarship to a great college.

These services are offered for free to all alumni of BEAM 7. We will be with you for the next five years!

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**Find Out More!**

www.beammath.org | 888-264-2793
NYCinfo@beammath.org

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"My dream for my child is..."

Watch our video for parents to hear how BEAM has supported students from 7th grade all the way through college: beammath.org/parents

Where will BEAM take your child?

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Hear from the BEAM 7 experts – **the students!**

My favorite part of BEAM is the math. It’s incredibly advanced and interesting and I loved every single part of it.

Anthony

Don’t be nervous. You’ll make new friends and become really comfortable while you’re at BEAM.

Luis

I grew in so many ways, not just in my math skills but also as a person.

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