

BEAM

Bridge to Enter Advanced Mathematics

WWW.BEAMMATH.ORG | LAINFO@BEAMMATH.ORG

WHY JOIN BEAM?

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

BEAM isn't just a math program, it's a fun and exciting journey. I learned that math literally plays a huge part in life and me.

This program is a game changer.

Emmanuela



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

Anthony

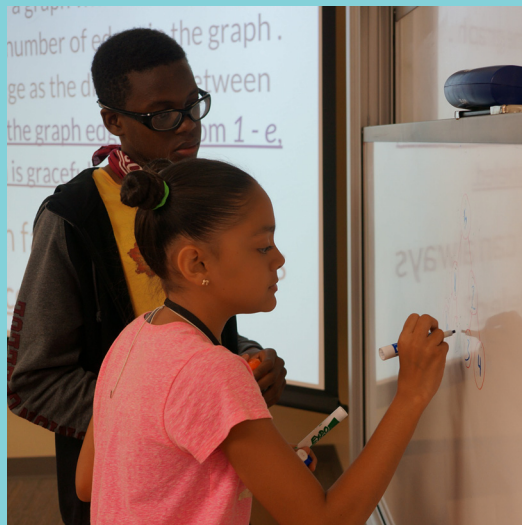


BEAM is completely free; you will receive everything you need to participate!

BEAM OPENS DOORS:

You'll get support for 8th grade, high school, and college so that you can get the best opportunities to keep growing and learning.

BEAM aims to serve students who are historically marginalized in STEM. This includes students who are Black, Latinx, Indigenous; female, nonbinary, and trans students; students from low-income families; first-generation college goers; and those not already tapped into academic enrichment. BEAM designs classrooms where students of all identities, but especially these identities, can thrive.



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START THE BEAM PATHWAY PROGRAM WITH A SUMMER AWAY

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 ELSE SHOULD I EXPECT?

BEAM is held on a college campus; you live at the program for the whole three weeks. Most students will have a roommate!

Classes are five days per week. On weekends, you’ll go on field trips.

One of BEAM’s big values is choice: you’ll choose your classes, your activities, which field trips you attend. Through these choices, you’ll build the best possible summer for you.

NOT SURE ABOUT BEAM?

That’s okay! You should still apply and see what happens. If you’re admitted, we will have opportunities to meet BEAM staff and learn more before making a final decision.

EXCITED ABOUT BEAM?

Great! We are, too. We can’t wait to meet you and share the Admissions Challenge with you.

HEAR FROM BEAM STUDENTS ALONG THE PATHWAY!



I have been preparing for college with BEAM for a long time. I went to [BEAM college prep] workshops during the summer of sophomore and junior year, and I took everything they said into consideration. They were so helpful!

Mayra



SAMPLE WEEKDAY SCHEDULE

8 am-9 am:	Breakfast
9 am-11 am:	Topics Courses
11 am-12:15 pm:	Activities
12:15 pm-1 pm:	Lunch
1 pm-3 pm:	Topics Courses
3 pm-4 pm:	Activities
4 pm-6 pm:	Problem Solving
6 pm-6:45 pm:	Dinner
6:45 pm-8:55 pm:	Free Time
8:55 pm-9:55 pm:	Independent Study
10 pm-10:15 pm:	Hall Meeting
10:30 pm:	Be in your rooms
10:45 pm	Lights out



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

Maryam

BEAM SUPPORT AS YOU GROW

8TH GRADE - COLLEGE

AFTER THE SUMMER: BEAM isn't just one summer! IT'S A PATHWAY PROGRAM YOU'LL BE A MEMBER OF THROUGH HIGH SCHOOL AND EVEN COLLEGE GRADUATION. What does that look like? Remember: BEAM will help you and your family meet your goals in 8th grade (and after!) as long as you stay in touch with us.

FOCUS ON 8TH GRADE: DURING 8TH GRADE, YOU ARE ASKED TO ATTEND A HIGH SCHOOL ADVISING MEETING WITH BEAM. BEAM will help you find a good-fit high school that will deepen your knowledge and interest in STEM fields.

IN 8TH GRADE, YOU ALSO ATTEND BEAM'S SATURDAY CLASSES, where you'll learn both "things you need to know" (like how to apply to high school or how to thrive in algebra), occasional workshops (a career day; a session on how to apply to other summer programs); and through personalized support (office hours where you can ask us anything on your mind and also virtual tutoring where you can request a volunteer tutor to help you with challenging studies).

Another way to stay connected with the BEAM community is by attending our events just for fun, like field trips and reunion parties.

9TH GRADE AND BEYOND: YOU WILL CONTINUE WITH BEAM'S SUPPORT IN HIGH SCHOOL AND BEYOND. Attend personalized advising beginning in 9th grade to ensure you feel supported in navigating your transition into high school and college. During high school and college, the goals are:

- Stay engaged with BEAM: keep coming to our events (classes, workshops, advising, tutoring, office hours) to learn and grow and get key advice along your educational journey
- Explore STEM: we want you to find your passion(s) in STEM, whether that's more math or computer science or geology or astronomy or something else. Through career days, summer programs, research, internships, networking opportunities, and more, we'll enable you to figure out what inspires you and give you opportunities to go deeper in your studies.
- Stay on track academically: ensure you're taking the classes to prepare you for the next step in your journey and to create a pathway for achieving your goals.

SCHOLARSHIPS AND MORE: Students that come to advising meetings with BEAM, stay engaged, and stay in touch have ACCESS TO SOME FINANCIAL SUPPORT beginning in 11th grade, including:

- Financial support for 10th & 11th graders at advanced summer STEM programs
- College scholarships (for 12th graders planning to study STEM)
- College cost support (for college students studying STEM)

THE PATHWAY

SUMMER BEFORE 8TH GRADE

BEAM STUDENTS WILL TAKE PART IN A THREE WEEK SUMMER PROGRAM ON A COLLEGE CAMPUS EXPLORING COLLEGE-LEVEL MATH.



8TH GRADE

BEAM WILL ASSIST STUDENTS IN HIGH SCHOOL PLACEMENT, OFFER ALGEBRA 1 AND STEM ENRICHMENT COURSES, AND FIELD TRIPS TO PLACES LIKE GOOGLE.



9TH & 10TH GRADE

STUDENTS SIGN UP FOR A VARIETY OF WEEKLY CLASSES DESIGNED TO SUPPORT YOU IN HIGH SCHOOL, TEACH IMPORTANT LIFE SKILLS, AND PROVIDE STEM ENRICHMENT.



11TH & 12TH GRADE

STUDENTS CAN SIGN UP FOR FREE SAT PREP COURSES AND ADVISING TO HELP YOU GET A SCHOLARSHIP TO A GREAT COLLEGE.



COLLEGE SUPPORT

BEAM PROVIDES COLLEGE GUIDANCE DESIGNED TO SUPPORT STUDENTS' CONTINUED GROWTH, ESPECIALLY IN STEM MAJORS/ CAREERS.



BEAM weekly classes are a chance to meet new people and do things like coding and more math.

Jessica



BEAM exposed me to high schools I had never heard of. BEAM helped me make a decision and I went with [a great school in New York City].

Lennin

PARENT INFORMATION



My dream for my son is success.

STUDENT SAFETY POLICY AT BEAM'S SUMMER PROGRAM

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!

COVID SAFETY AT BEAM

BEAM's full COVID safety policy will be announced closer to summer 2022 based on current health and safety guidance. BEAM will require all staff and students be fully vaccinated by the summer; those who are eligible for a booster will also be required to have a booster. Individuals may request an exception from this mandatory vaccination policy if the vaccine is medically contraindicated for them or medical necessity requires a delay in vaccination. Individuals also may be legally entitled to a reasonable accommodation if they cannot be vaccinated.

"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



Deanna, Nate, and their families attend BEAM's high school info session.



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

Luis

WHAT WILL YOU GAIN?

JOIN BEAM TO:

- Explore college level mathematics
- Have new experiences at weekend and evening events
- Become part of a community that will support your and your family's growth and success

FIND OUT MORE

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