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

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

Anthony

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

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.

This project was supported in part by Science Sandbox (an initiative of the Simons Foundation).
**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”.

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**SAMPLE SCHEDULE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 am-9 am</td>
<td>Breakfast</td>
</tr>
<tr>
<td>9 am-11 am</td>
<td>Topics Courses</td>
</tr>
<tr>
<td>11 am-12:15 pm</td>
<td>Activities</td>
</tr>
<tr>
<td>12:15 pm-1 pm</td>
<td>Lunch</td>
</tr>
<tr>
<td>1 pm-3 pm</td>
<td>Topics Courses</td>
</tr>
<tr>
<td>3 pm-4 pm</td>
<td>Activities</td>
</tr>
<tr>
<td>4 pm-6 pm</td>
<td>Problem Solving</td>
</tr>
<tr>
<td>6 pm-6:45 pm</td>
<td>Dinner</td>
</tr>
<tr>
<td>6:45 pm-8:55 pm</td>
<td>Free Time</td>
</tr>
<tr>
<td>8:55 pm-9:55 pm</td>
<td>Independent Study</td>
</tr>
<tr>
<td>10 pm-10:15 pm</td>
<td>Hall Meeting</td>
</tr>
<tr>
<td>10:30 pm</td>
<td>Be in your rooms</td>
</tr>
<tr>
<td>10:45 pm</td>
<td>Lights out</td>
</tr>
</tbody>
</table>

**LOCATIONS**

- Bard College
- Union College

**IMPORTANT DATES**

- 2/1 - 3/6: Admissions appointments
- 3/24: Admissions decisions released
- 4/4: Lunch info session for admitted students & their families
- 5/9: Registration paperwork due
- July 5-26: Spend three weeks with BEAM!
- August 2020 (and beyond): Work with BEAM to get into great high schools and continue your learning

**TRIPS**

- All trips are optional, but we want you to get the chance to have new experiences!
- 7/12: Hiking
- 7/13: Water Park
- 7/19: Field Day
- 7/20: Six Flags

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**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

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

Maryam
THE PATHWAY CONTINUES: 8TH GRADE - COLLEGE

WHAT'S DIFFERENT ABOUT BEAM?

YOU CHOOSE YOUR CLASSES: Like at college, we want you to have control over your own learning. Each week during the summer, we’ll place you in 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. We’ll offer you choice in Saturday classes as well!

SMALL CLASS SIZES DURING THE SUMMER AND BEYOND: You live on a college campus during the summer before 8th grade. You’ll live in a dorm room, eat in a college cafeteria, and take college-style classes. Our counselors and staff will help you become more independent.

WE CONNECT YOU TO OTHER PROGRAMS: There are a number of other programs that BEAM will help you join. Whether you’re interested in math, medicine, astronomy, computer programming, or engineering, BEAM will help you to take the next step.

ENRICHMENT CONTINUES IN WEEKLY CLASSES: Our weekly classes provide more options for you to take classes in STEM enrichment, learn life skills, study for the SAT, and more!

WE KNOW THE WORLD OF STEM: Many BEAM staff members have STEM degrees and we are connected to mathematicians, programmers, engineers, doctors, and more. We can introduce you to professionals as you prepare to have these careers.

WE SUPPORT YOU IN EVERY WAY WE CAN: BEAM knows that it takes all kinds of support to achieve your dreams. We are available to talk through any concern you have and we often refer students to outside support.

WE OFFER YOU SUPPORT THROUGH COLLEGE: Our goal is to stay together as a community until you go to college — and beyond! We hope to remain in touch to guide you through your applications and even your time in college as well.

BEAM exposed me to high schools I had never heard of. I went to visit Bard High School Early College (BHSEC) with BEAM. In the end, I got into both Brooklyn Tech and BHSEC. BEAM helped me make a decision and I went with BHSEC, which is the best choice I ever made.

Jessica

Lennin
PARENT INFORMATION

“*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

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 you and your family’s growth and 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!

**FIND OUT MORE**

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