

The Calculus Project

Narrowing the Achievement
Gap in Mathematics

+ Curriculum and a Typical Day

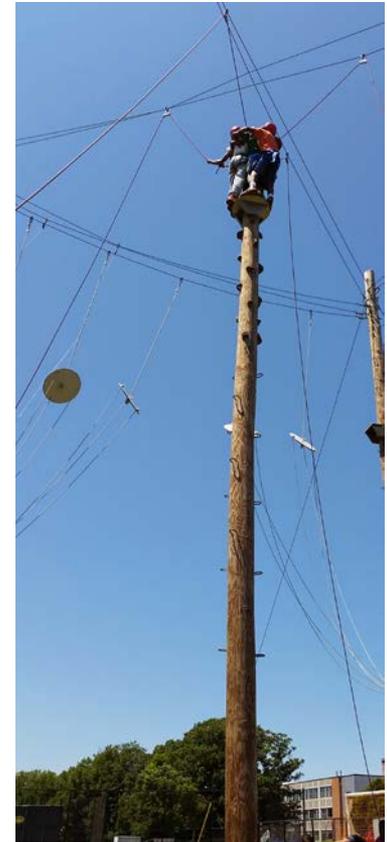
Curriculum

- Math
 - 55 hours
- Team Building Ropes Course
 - 6 hours
- Pride
 - 8 hours
- Field Trips and Guest Speakers
 - 30 hours

Typical Day

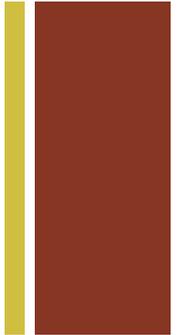
- Math
 - 9:00 - 11:45
- Lunch
 - 11:45 - 12:15
- Physical Education and Team Building
 - 12:20 - 1:50

+ Ropes





Guest Speakers

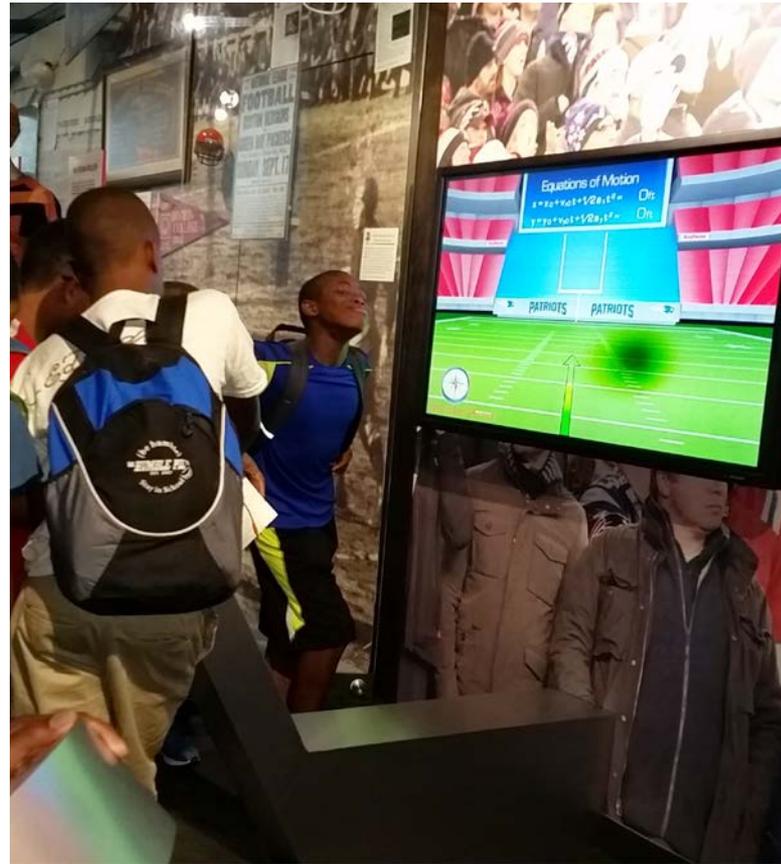


- 7/1 Sean Bradshaw- Aerospace Engineer
- 7/16 Yvonne Hawkins- Boston College Women's Basketball Coach
- 7/24 Andres Rodrigues- Founder and CEO of Nasuni, a cloud storage company
- 7/28 Jamie Lightfoot & Erin Broderick- Elementary School Librarians: STEM, robotic, and 3-D printer demonstration
- 7/29 Adrian Mims- National Founder and Director of The Calculus Project



Field Trip: The Hall at Patriot Place

- Using budgets and statistics from the National Football League, students assembled the best team based on an analysis of players' strengths, weaknesses, and salaries
- Students presented their teams at a mock press conference





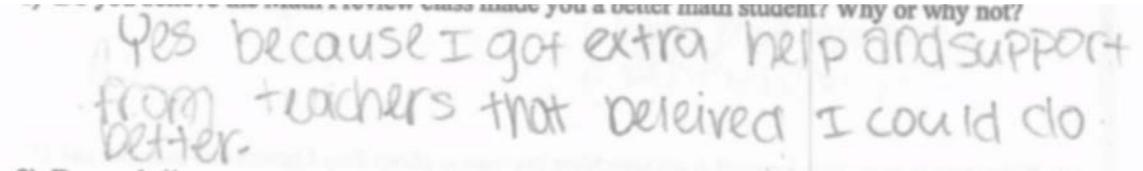
Field Trip: Harvard Medical School

Students are dissecting mice, looking at frog eggs, and seeing cancer cells get killed!



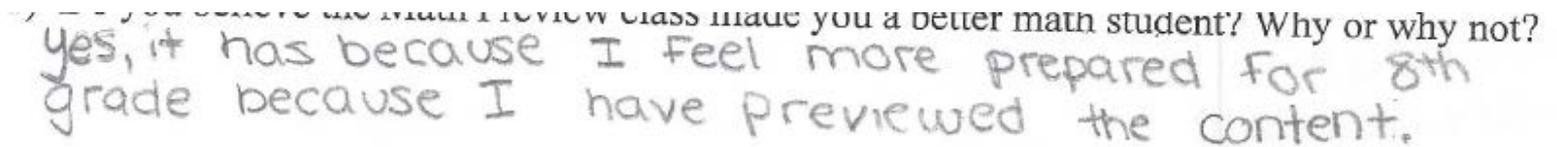
+ Student Responses on End of Course Survey

1. Do you believe the Math Preview class made you a better math student?
Why or why not?



Yes because I got extra help and support from teachers that believed I could do better.

Yes, because I got extra help and support from teachers that believed I could do better.



yes, it has because I feel more prepared for 8th grade because I have previewed the content.

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+ Student Responses on End of Course Survey



2. Do you believe you are prepared to be successful in math next year?
Why or why not?

Yes because we reviewed most of
the stuff we're going to learn in 8th grade

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3. What did you enjoy most about the summer enrichment class?
Please explain.

I enjoyed being with people that I had
more similarities with that could help
me if I needed it

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+ Student Responses on End of Course Survey



Are you interested in attending a summer enrichment course in mathematics next summer? Why or why not?

why or why not: Of course! This program really taught me a lesson: "to try your best." You can do anything you can set your mind to.

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Write two lessons you learned from watching the movie about Ben Carson that you can use to help you become a stronger student.

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Even if you were really bad at math you should work hard and you will succeed.

+ Student Responses on End of Course Survey

Write three things you need to do to be successful in math next year.

- work hard - it's not easy
- Practice, practice, practice
- don't be afraid to fail - learn from your mistakes

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- stay organized
- Be consistent with homework
- Ask questions

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+ Last week at Oak Hill . . .

Update from a Calculus Project Teacher

*“A student from the summer program had a test in math. ... She came down to our floor after school and was very excited. She told me that she had gotten a B on her first test -- with no help!!! That was the first grade above a C on a test in middle school on her own. I asked her how it felt and she just smiled and said great! I spoke with her mom on curriculum night and she was glowing with praise for TCP (*The Calculus Project.*) She has noticed a "jump" in *her daughter's* step and was asking when tutoring would begin.”*